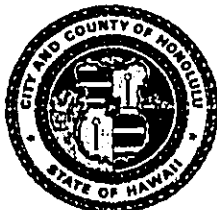


BUILDING DEPARTMENT
CITY AND COUNTY OF HONOLULU

HONOLULU MUNICIPAL BUILDING
650 SOUTH KING STREET
HONOLULU, HAWAII 96813

FRANK F. FASI
MAYOR



HERBERT K. MURAOKA
DIRECTOR AND BUILDING SUPERINTENDENT

RECEIVED
PB 92-357

'92 APR 15 P2:07

April 15, 1992


OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

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

Dear Mr. Choy:

Subject: Negative Declaration for the Proposed
Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Oahu, Hawaii

In accordance with Chapter 343, HRS, we are notifying you that an Environmental Impact Statement will not be required for the subject action. Attached are four (4) copies of a Negative Declaration (in the form of an Environmental Assessment) for the proposal.

 Please note that the reference to the station being temporarily relocated to the Fire Department site on Pupukea Road on page nine has since been revised. The temporary station will remain on the existing site and the contractor may utilize the Pupukea Road site for a staging area.

Should there be any questions, please contact Gerald Park, Urban Planner, phone 533-0018, the preparer of this Environmental Assessment.

Very truly yours,

A handwritten signature in black ink, appearing to read "Herbert K. Muraoka".

HERBERT K. MURAOKA
Director and Building Superintendent

Attach.
cc: Gerald Park

1992-04-23-0A-~~FEA~~-Sunset Beach

Fire Station

APR 23 1992

ENVIRONMENTAL ASSESSMENT
SUNSET BEACH FIRE STATION RECONSTRUCTION

Prepared for

Building Department
City and County of Honolulu

By

Matsumoto & Associates, Inc.
and
Gerald Park Urban Planner

March, 1992

ENVIRONMENTAL ASSESSMENT
FOR
SUNSET BEACH FIRE STATION RECONSTRUCTION

59-719 Kamehameha Highway
Pupukea, Koolauloa, Oahu, Hawaii

Tax Map Key: 5-9-04: 29

Prepared Pursuant to Chapter 343, HRS and
Chapter 200, Title 11, Administrative Rules
State Department of Health

Proposing Agency: BUILDING DEPARTMENT
City and County of Honolulu
650 South King Street
Honolulu, Hawaii

Responsible Official:


Herbert K. Muraoka
Director and Building Superintendent

4/14/92

Date

Prepared by
TAKEO MATSUMOTO & ASSOCIATES, INC.

and

GERALD PARK URBAN PLANNER

MARCH, 1992

EXECUTIVE SUMMARY

Gerald Park, Urban Planner, was contracted by Matsumoto & Associates, Inc. to prepare an Environmental Assessment for the Proposed Sunset Beach Fire Station Reconstruction on behalf of the City and County of Honolulu Building Department. The project is scheduled to commence construction in July 1992.

The project is not anticipated to result in adverse environmental impacts. Short-term construction related impacts such as fugitive dust, noise, construction traffic, and limiting lateral access from one end of the park to the other can be expected. These impacts can be mitigated by adherence to air pollution and noise pollution controls of the State Department of Health. Minor impacts to local traffic on Kamehameha Highway can be mitigated by scheduling the movement of ^{workers} men and materials to and from the site during non-peak traffic hours. Lateral park access may be impeded during construction as foot traffic will be rerouted around the project site to protect the public safety.

Significant long-term adverse affects are not anticipated. The new station will accommodate existing activities in more suitable surroundings for the benefit of the firefighters and the general public. Water, electrical power, and communication services are adequate to service the new station without affecting residences and businesses in the area. The new structure and ancillary improvements will alter existing views across the site insignificantly and will not completely obstruct views to the ocean from Kamehameha Highway and areas mauka of the Highway. Occasional emergency helicopter sounds may possibly be a nuisance to residents living nearby. The sound factor is temporary in duration and outweighed by the quick response capabilities of the rescue helicopter in life endangering situations.

SUMMARY INFORMATION

PROJECT: Sunset Beach Fire Station Reconstruction

PROPOSING AGENCY: Building Department
City and County of Honolulu

LOCATION: 59-719 Kamehameha Highway
Pupukea, Koolauloa, Oahu, Hawaii

TAX MAP KEY: 5-9-04:29

LAND AREA: 0.517 Acre

LANDOWNER: State of Hawaii

EXISTING LAND USE: Fire Station

STATE LAND USE DESIGNATION: Urban

DEVELOPMENT PLAN LAND USE MAP DESIGNATION: Public Facility

DEVELOPMENT PLAN PUBLIC FACILITIES MAP: Fire Station
Modification within 6 Years

ZONING: P-2 (General Preservation)

CONTACT PERSON: Doug Collinson, Building Department
Phone: 527-6375

CONSULTANT: Takeo Matsumoto
Matsumoto & Associates, Inc.

Gerald Park
Gerald Park Urban Planner

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SECTION 1

DESCRIPTION OF THE PROPOSED PROJECT

The Building Department, City and County of Honolulu, proposes to construct a new fire station on the site of the existing Sunset Beach Fire Station. The existing station occupies 0.517 acre of land situated within Pupukea Beach Park, Pupukea, Koolauloa, Oahu, Hawaii. The site bears Tax Map Key 5-9-04:29 and is owned by the State of Hawaii. Jurisdiction of the fire station site and surrounding park lands were transferred by Executive Order 1761 from the State of Hawaii to the City and County of Honolulu in 1956. A location map is shown in Figure 1.

A. Purpose

The purpose of the project is to correct facility deficiencies at the existing fire station. Constructed in 1958, the one-story wooden structure is well maintained but in aged condition and termite infested. In addition, the station's 1,715 SF under roof (including garage) is too cramped to accommodate the engine company, fire apparatus, and fire fighting equipment.

B. Technical Characteristics

The existing Sunset Beach Fire Station and accessory structures will be demolished and asphalt concrete paving, landscaping, and sections of chain link fencing removed. Existing water, communication, and power systems will be rerouted and a cesspool filled and abandoned. The site will be filled to accommodate the new structure, ancillary improvements, and the approach angle of the fire apparatus.

The new station will be built on the northern portion of the lot to thereby leaving open space for a helicopter landing area on the south. The landing area and yard space will be planted with grass. Off-street parking and a driveway are provided at-grade on the street front. A site plan is shown in Figure 2.

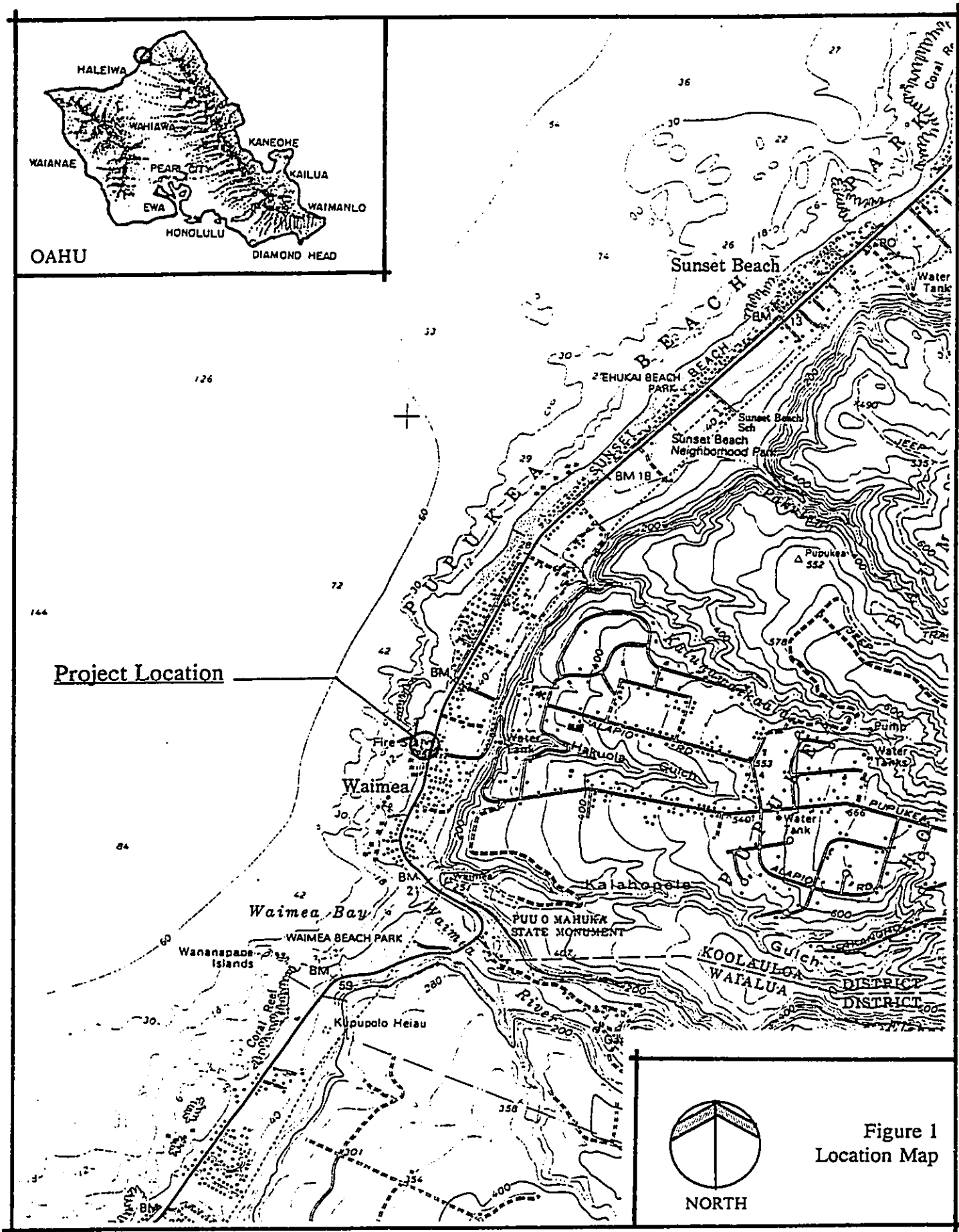
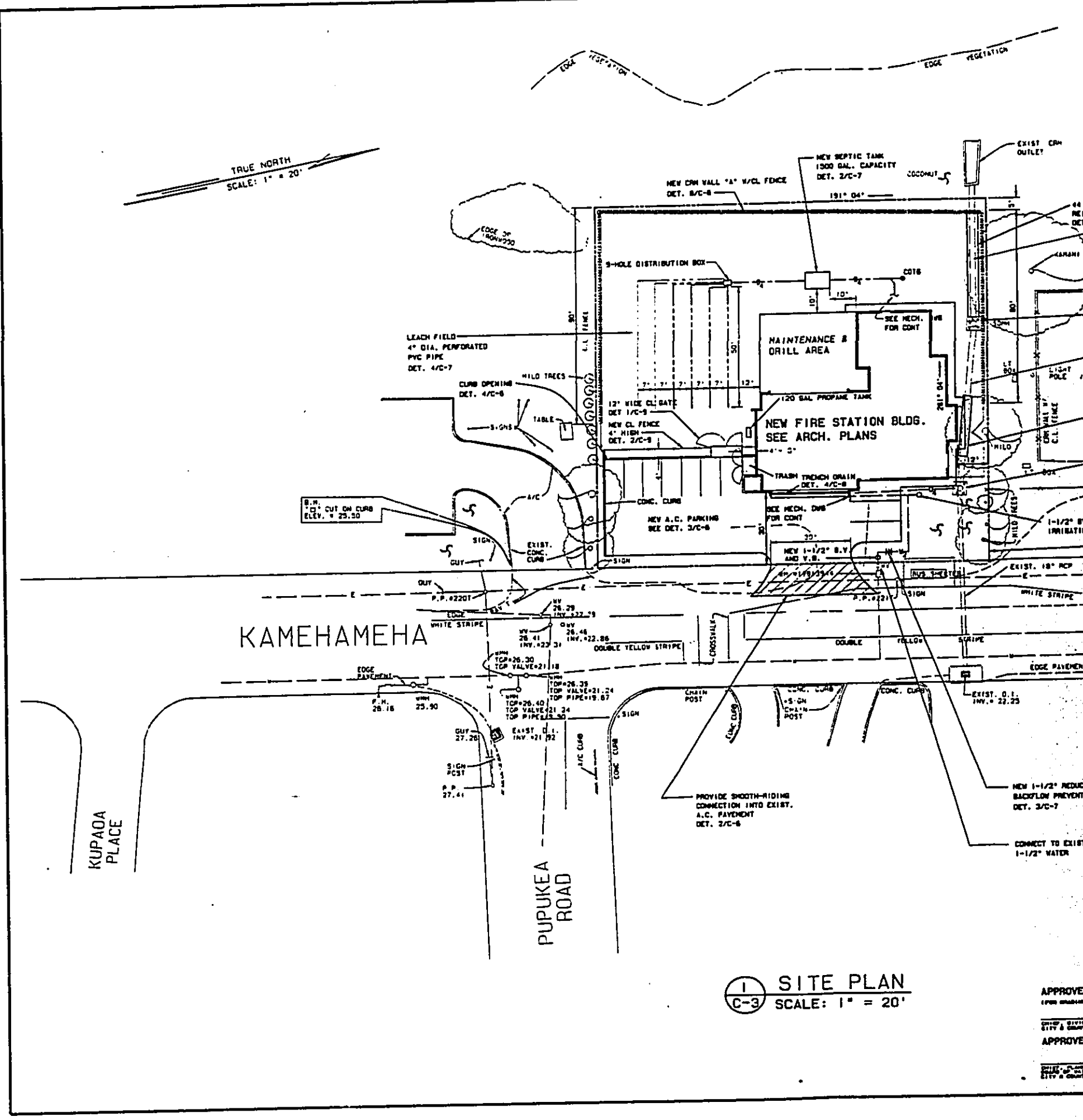


Figure 1
Location Map

TRUE NORTH
SCALE: 1" = 20'



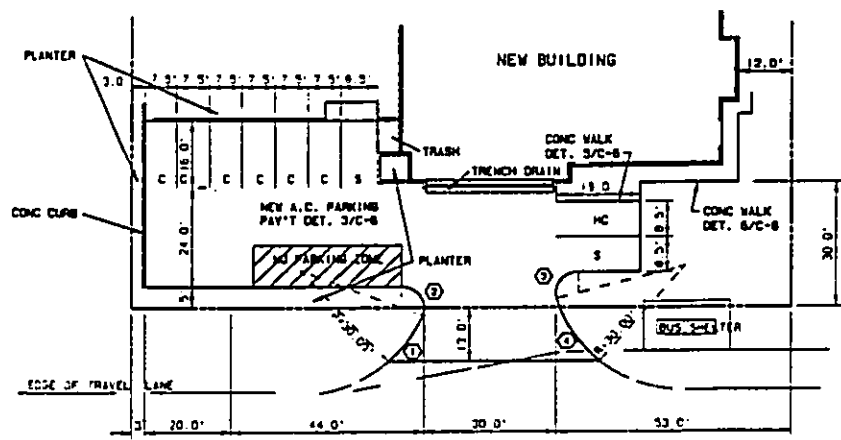
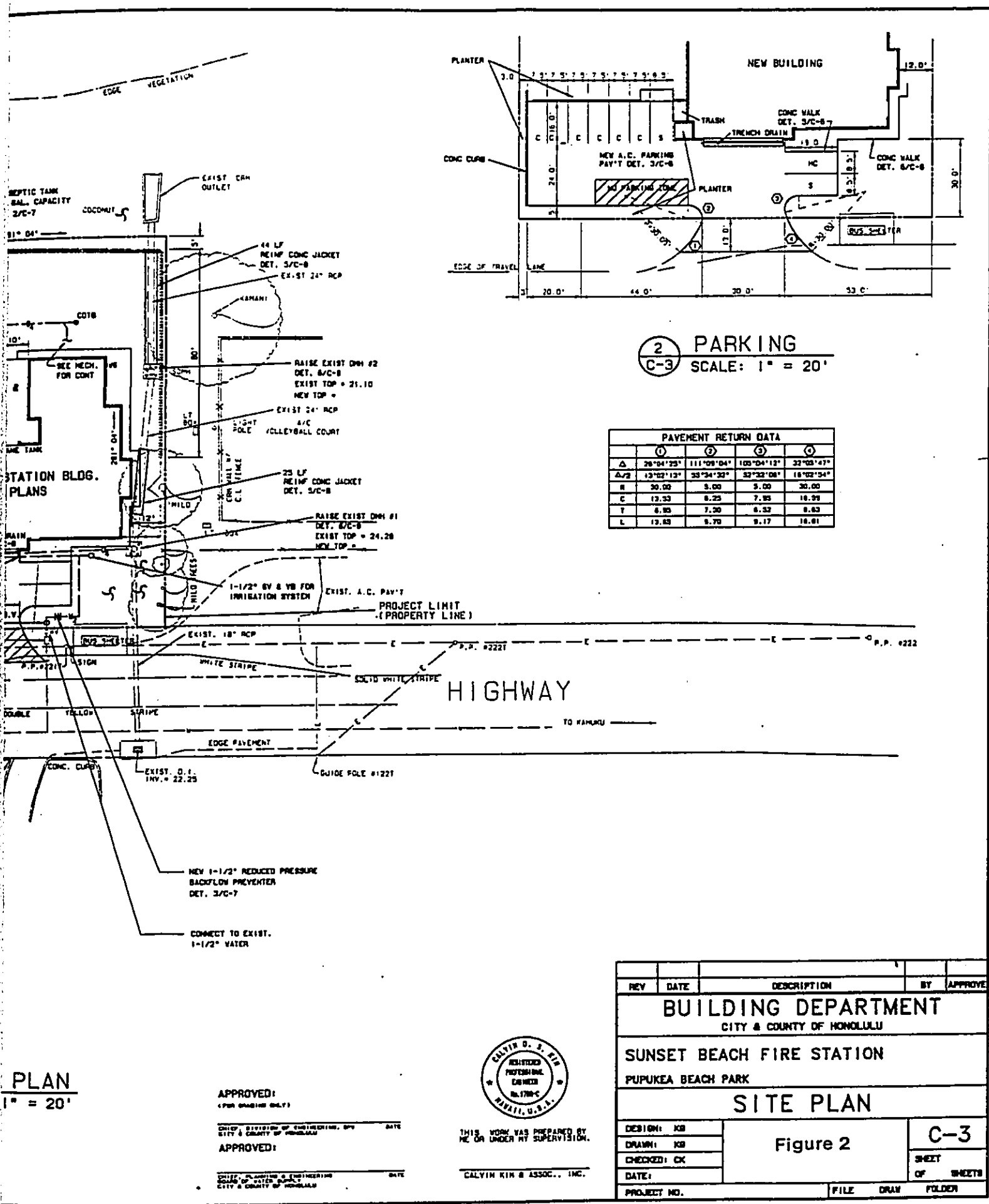
KAMEHAMEHA

KUPAQA PLACE

PUPUKEYA ROAD

1 SITE PLAN
C-3 SCALE: 1" = 20'

APPROVED
FOR THE CITY & COUNTY
APPROVED
BY THE CITY & COUNTY



2 PARKING
C-3 SCALE: 1" = 20'

PAYEMENT RETURN DATA				
	①	②	③	④
Δ	26°04'29"	111°08'04"	100°04'12"	22°03'47"
Δ/2	13°02'13"	55°34'02"	50°02'06"	11°01'54"
B	30.00	5.00	5.00	30.00
C	13.33	6.25	7.95	16.29
T	6.95	7.20	6.32	6.63
L	13.65	6.70	9.17	16.61

PLAN
1" = 20'

APPROVED:
(FOR MACHINE ONLY)

CHIEF, DIVISION OF ENGINEERING, BY DATE
CITY & COUNTY OF HONOLULU

APPROVED:

CHIEF, PLANNING & ENGINEERING
DIVISION OF WATER SUPPLY
CITY & COUNTY OF HONOLULU



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

CALVIN KIM & ASSOC., INC.

REV	DATE	DESCRIPTION	BY	APPROVE
BUILDING DEPARTMENT CITY & COUNTY OF HONOLULU				
SUNSET BEACH FIRE STATION PUPUKEA BEACH PARK				
SITE PLAN				
DESIGN: KJB	Figure 2		C-3	
DRAWN: KJB				
CHECKED: CK				
DATE:			SHEET	OF SHEETS
PROJECT NO.	FILE	DRAW	FOLDER	

The proposed single-story structure encloses a floor area of approximately 4,000 square feet. The building will be constructed slab on grade with concrete masonry exterior walls and topped by a tile roof. Portions of the exterior walls will be stucco finished to add architectural interest and textural variation. Operable windows will allow natural ventilation of the structure and wide roof overhangs will aid in cooling. The garage for the fire apparatus is attached to the south side of the station house and will be enclosed by roll-up metal doors at front and rear. A poured in place concrete slab at the rear of the garage will serve as a maintenance and drill area. A hose drying tower is not required.

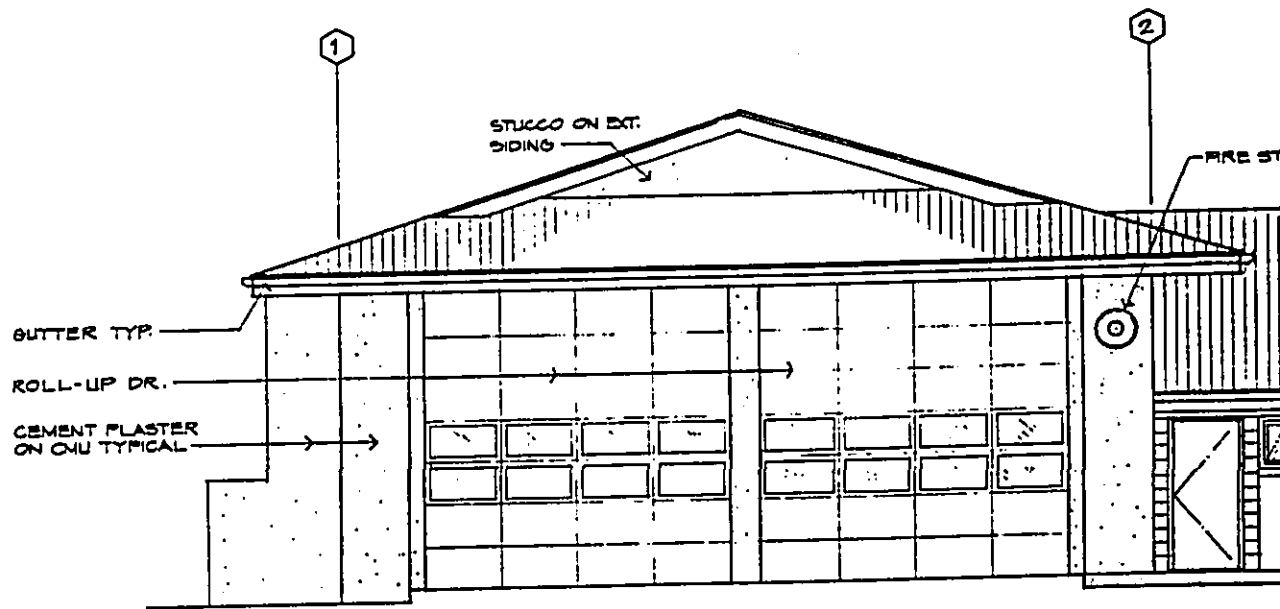
The height of the structure will not exceed the maximum height (25 feet) allowable in the zoning district. The height of the garage (measured from finish grade to roof ridge) is 23 feet and the remaining roofed area ranges between 16 to 18 feet above grade. Exterior elevations are shown in Figures 3 and 4.

Interior space is allocated for a kitchen, dining/meeting room, communication room, office, officers quarters, dormitory for the engine company, bathroom/shower facilities, and a weight room. One fire apparatus will be garaged at the station and space is provided for a second (or emergency vehicle). A floor plan is shown in Figure 5.

An access driveway and off-street parking area at the street front will be repaved and redesigned to accommodate the fire apparatus and smaller, privately owned vehicles. The parking area will be marked for 8 stalls (2 standard and 6 compact) plus 1 for the handicapped. An off-street loading zone is not required by the Land Use Ordinance for this kind of use. A 30-foot wide driveway will be constructed to access Kamehameha Highway.

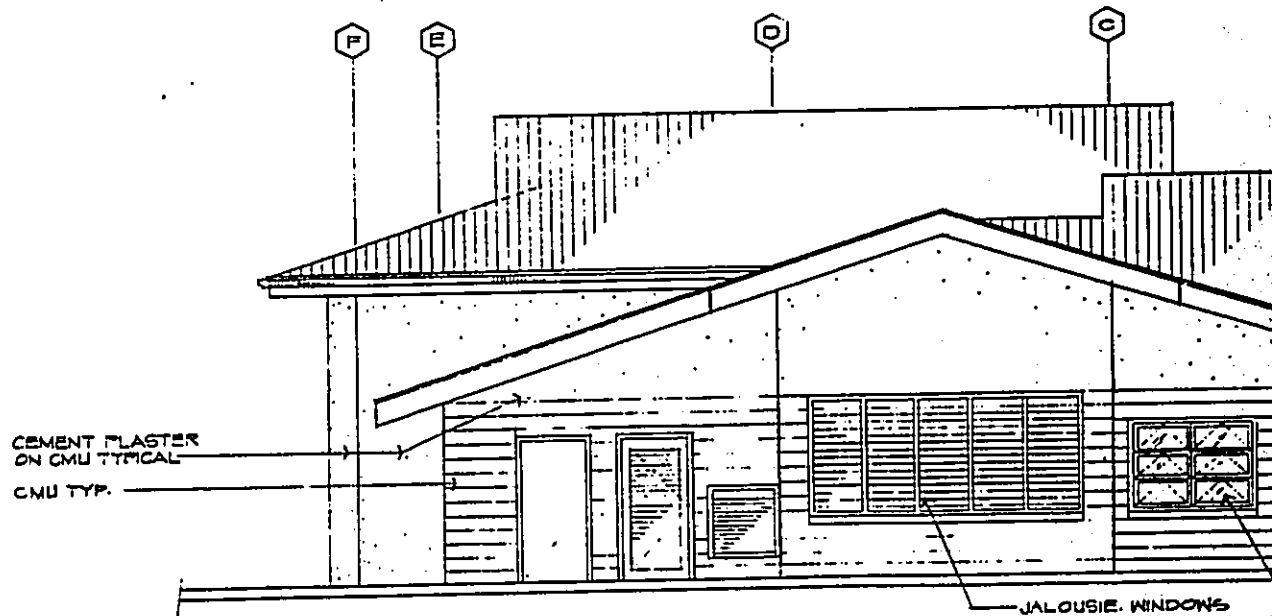
Electrical and telephone service to the station will be restored via underground systems.

Water will be drawn from a Board of Water Supply line running along Kamehameha Highway. The existing 1-1/2 inch water meter is adequately sized to service the new station.



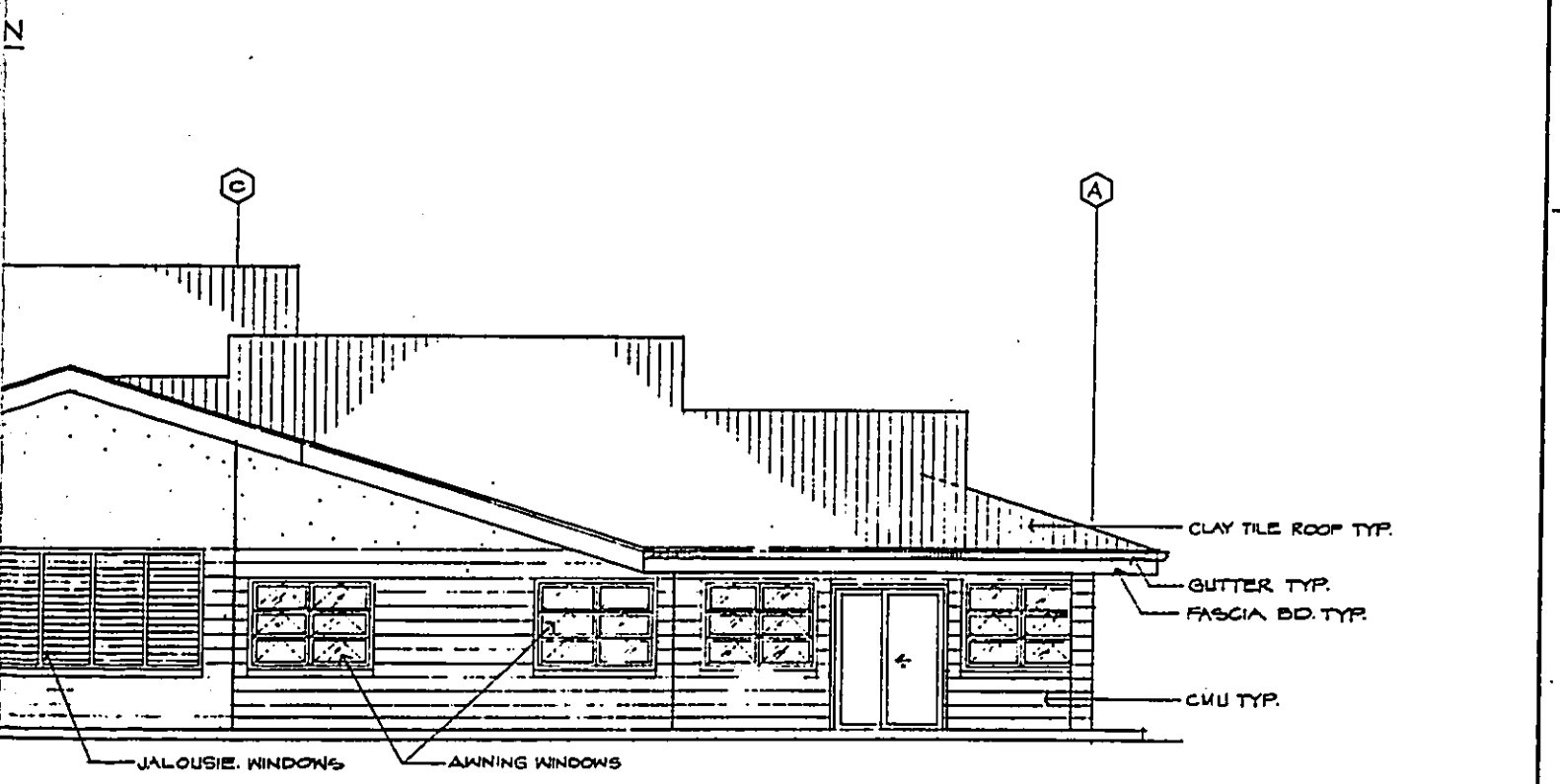
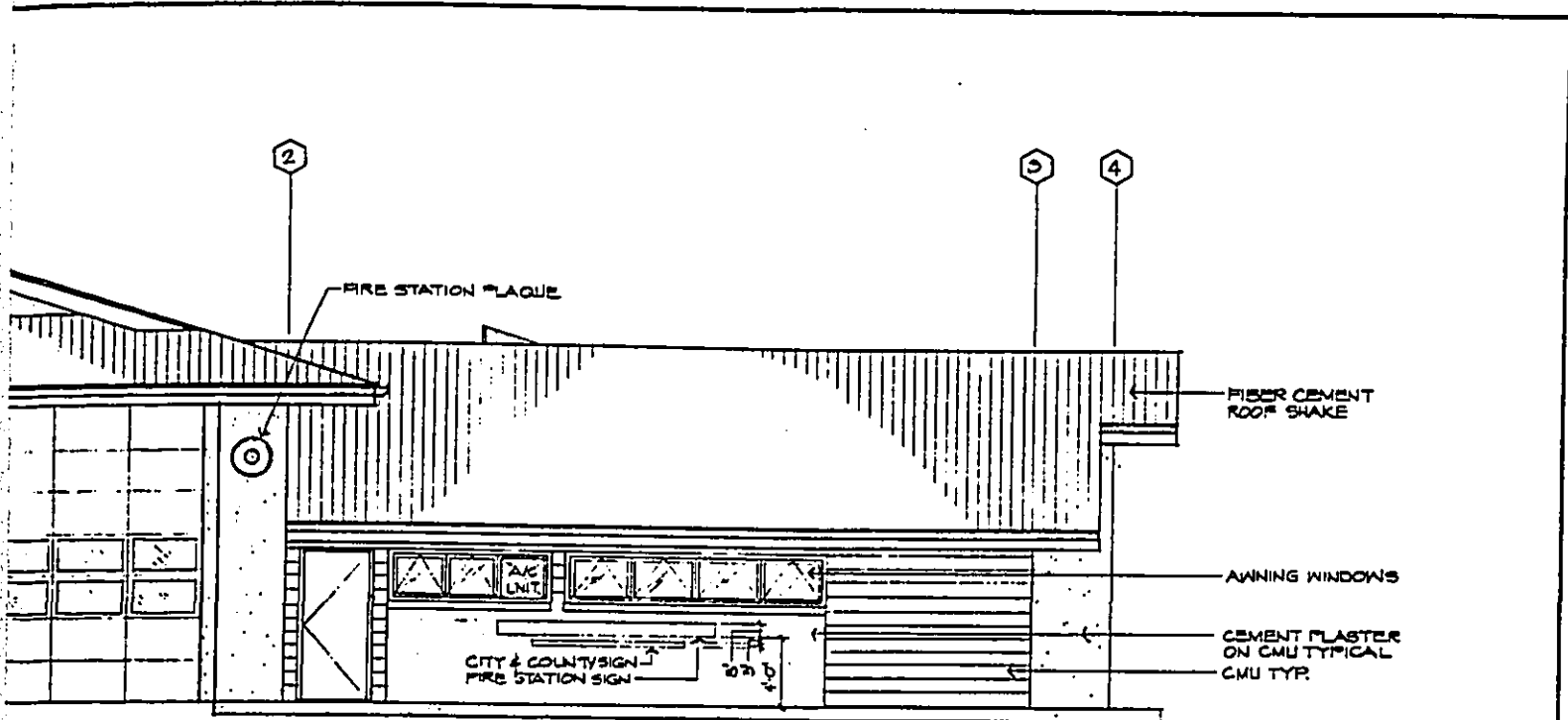
EAST EXTERIOR ELEVATION

1/4" = 1'-0"

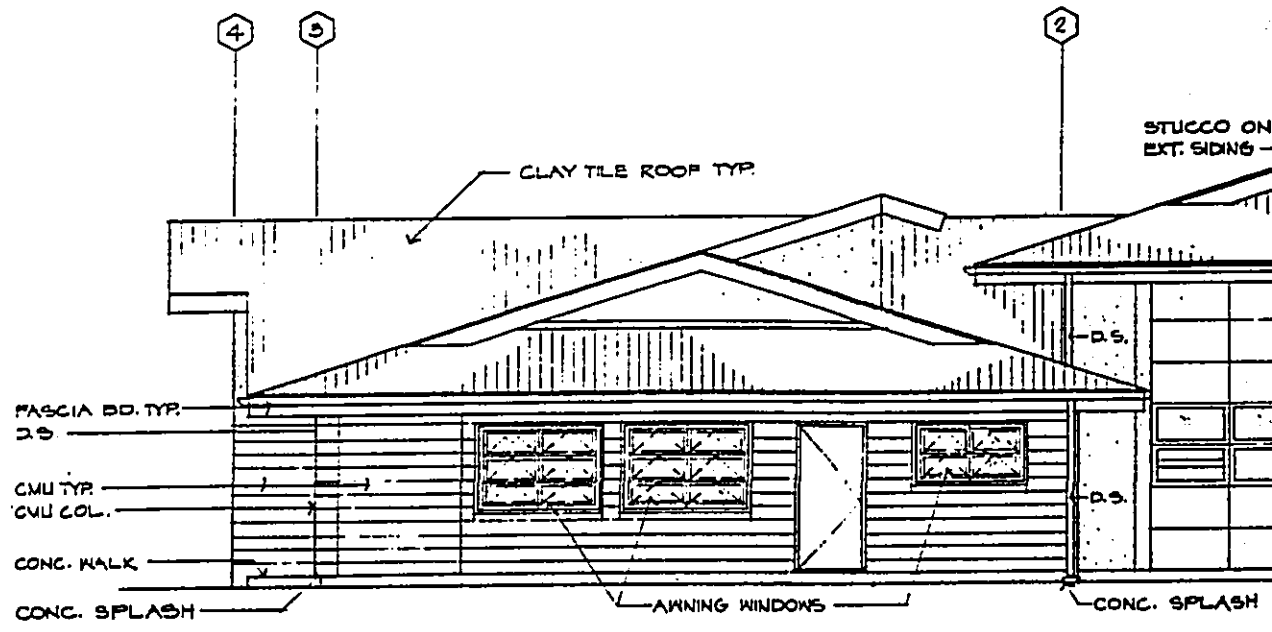


NORTH EXTERIOR ELEVATION

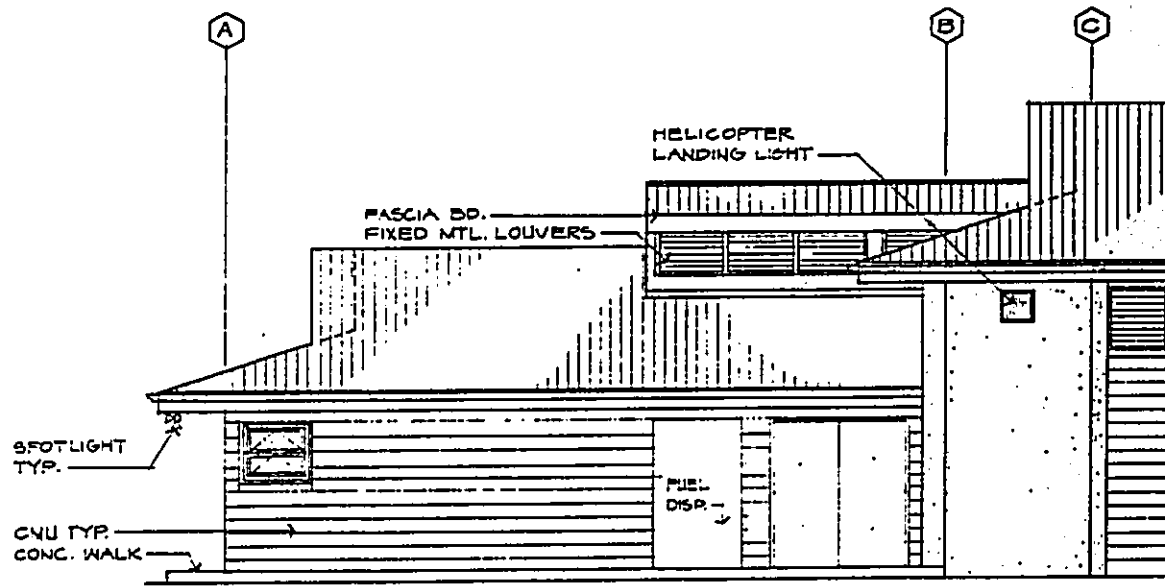
1/4" = 1'-0"



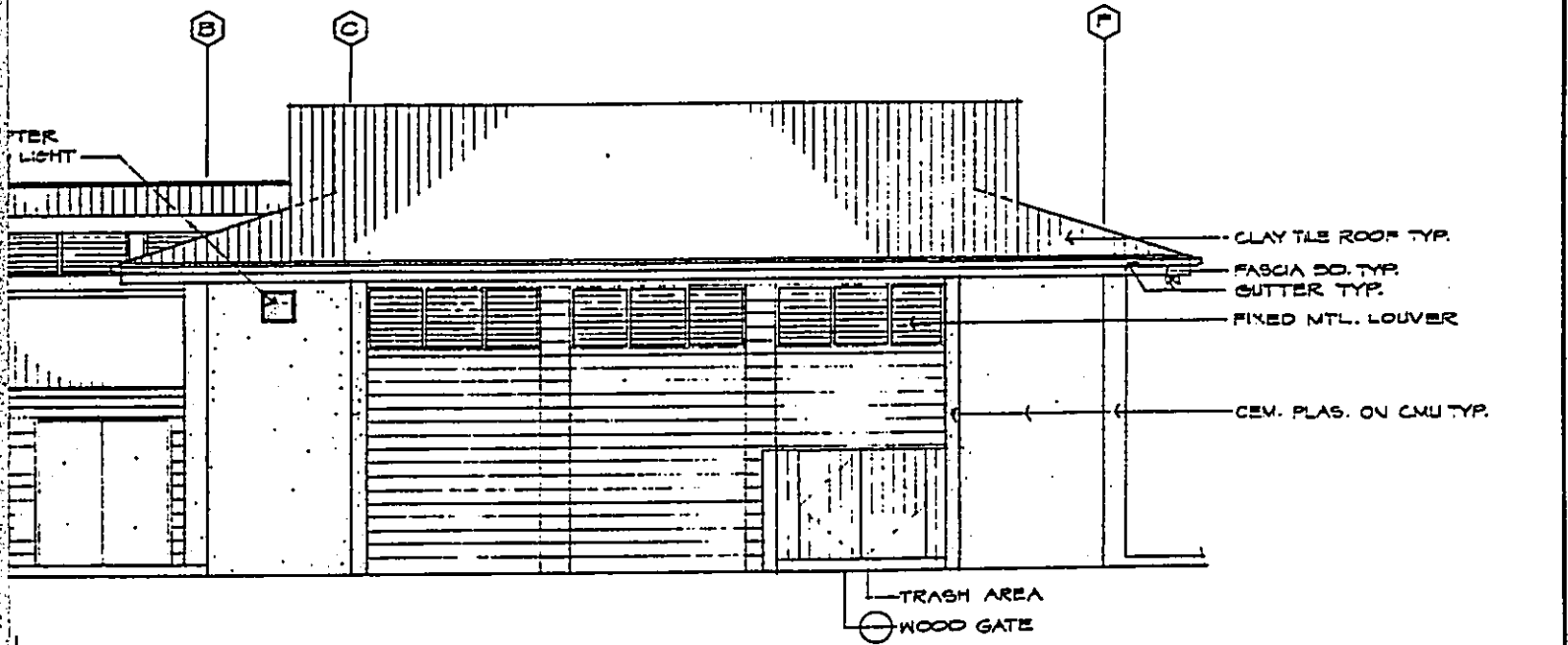
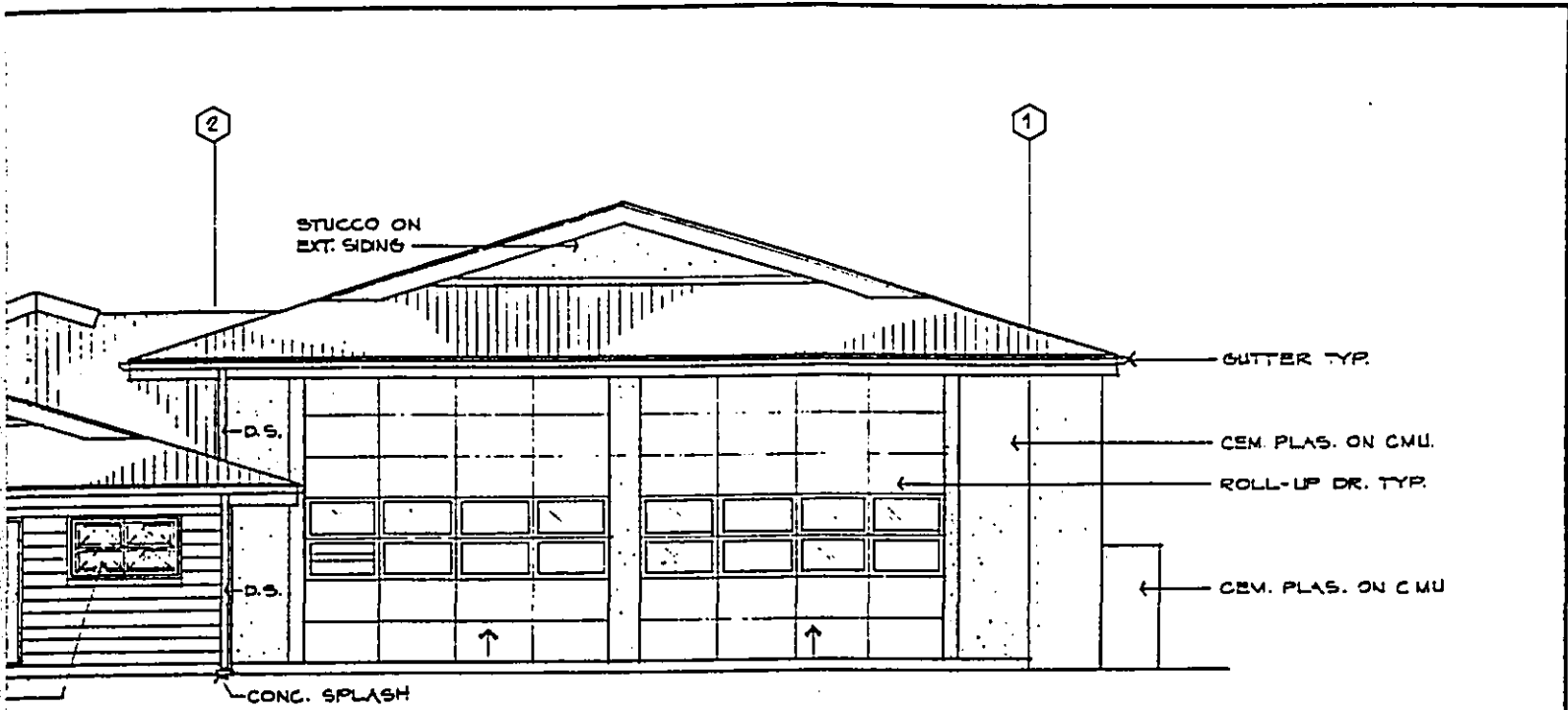
BUILDING DEPARTMENT		
CITY & COUNTY OF HONOLULU		
SUNSET BEACH FIRE STATION		
PULIPIKEA BEACH PARK		
EXTERIOR ELEVATIONS		
DESIGN	Figure 3	A-3 SHEET OF SHEETS
DRAWN		
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PROJECT NO.		
FILE	DRAW	FOLDER



WEST EXTERIOR ELEVATION
1/4" = 1'-0"



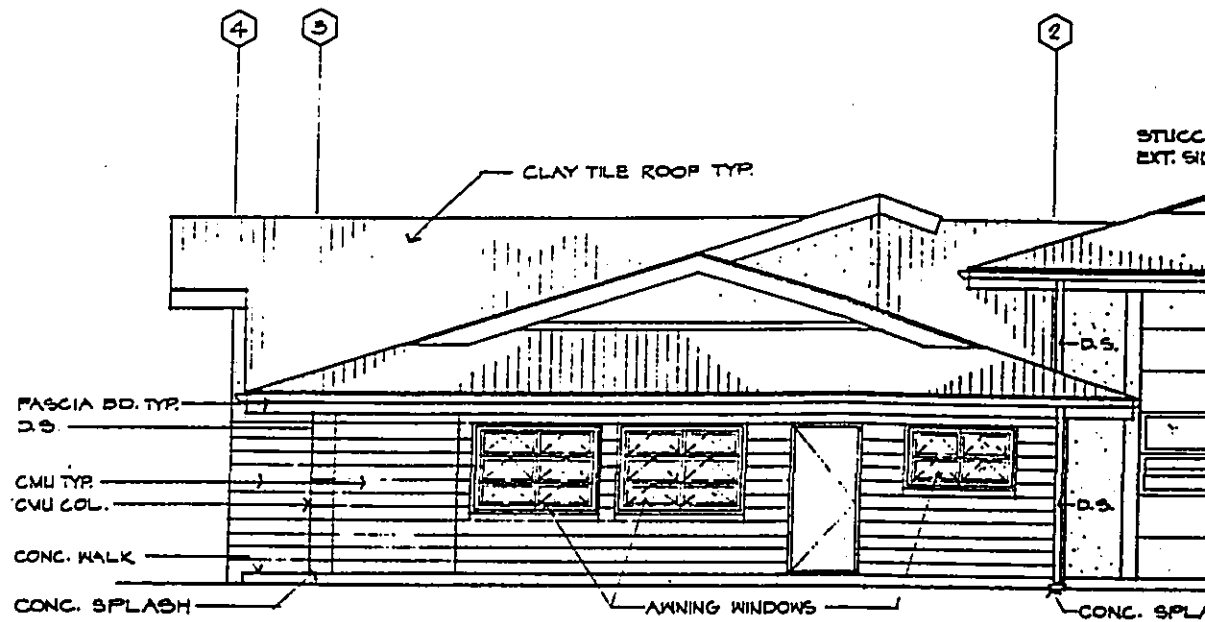
SOUTH EXTERIOR ELEVATION
1/4" = 1'-0"



BUILDING DEPARTMENT			
CITY & COUNTY OF HONOLULU			
SUNSET BEACH FIRE STATION			
PUPUKA BEACH PARK			
EXTERIOR ELEVATIONS			
DESIGN	Figure 4	A-6	SHEET
DRAWN			OF
CHECKED			SHEETS
DATE			
PROJECT NO. 1-4A-92-C	FILE	DRAW	FOLDER

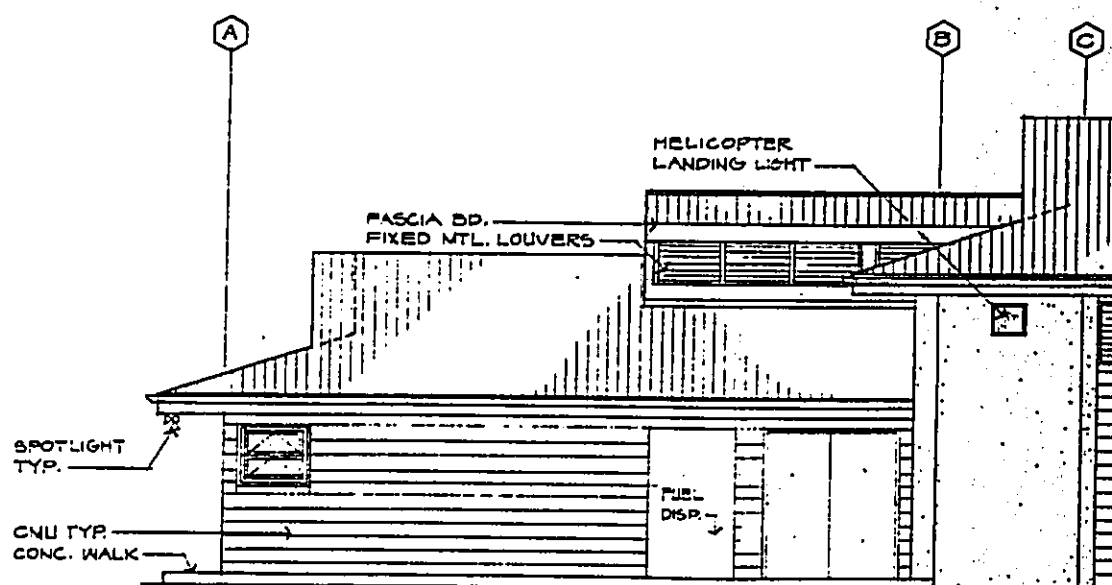
CORRECTION

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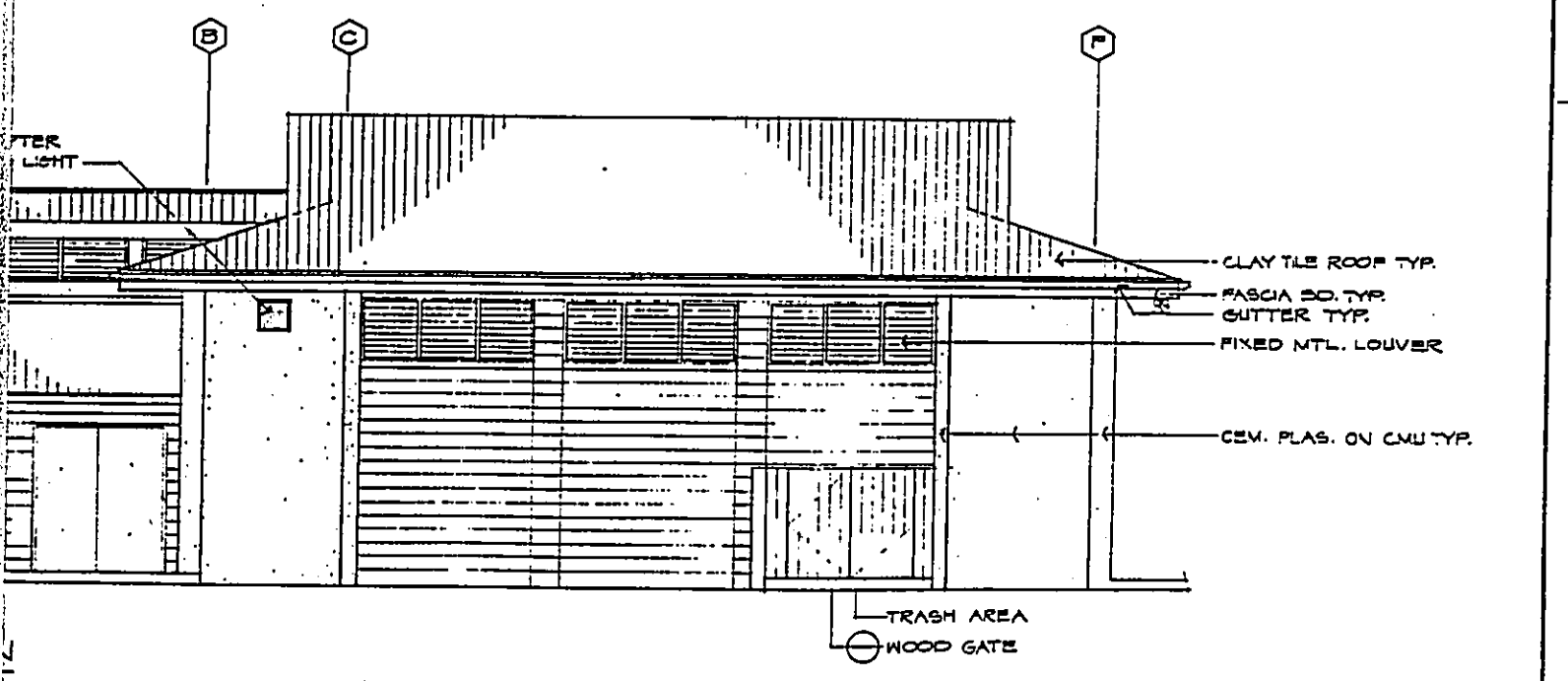
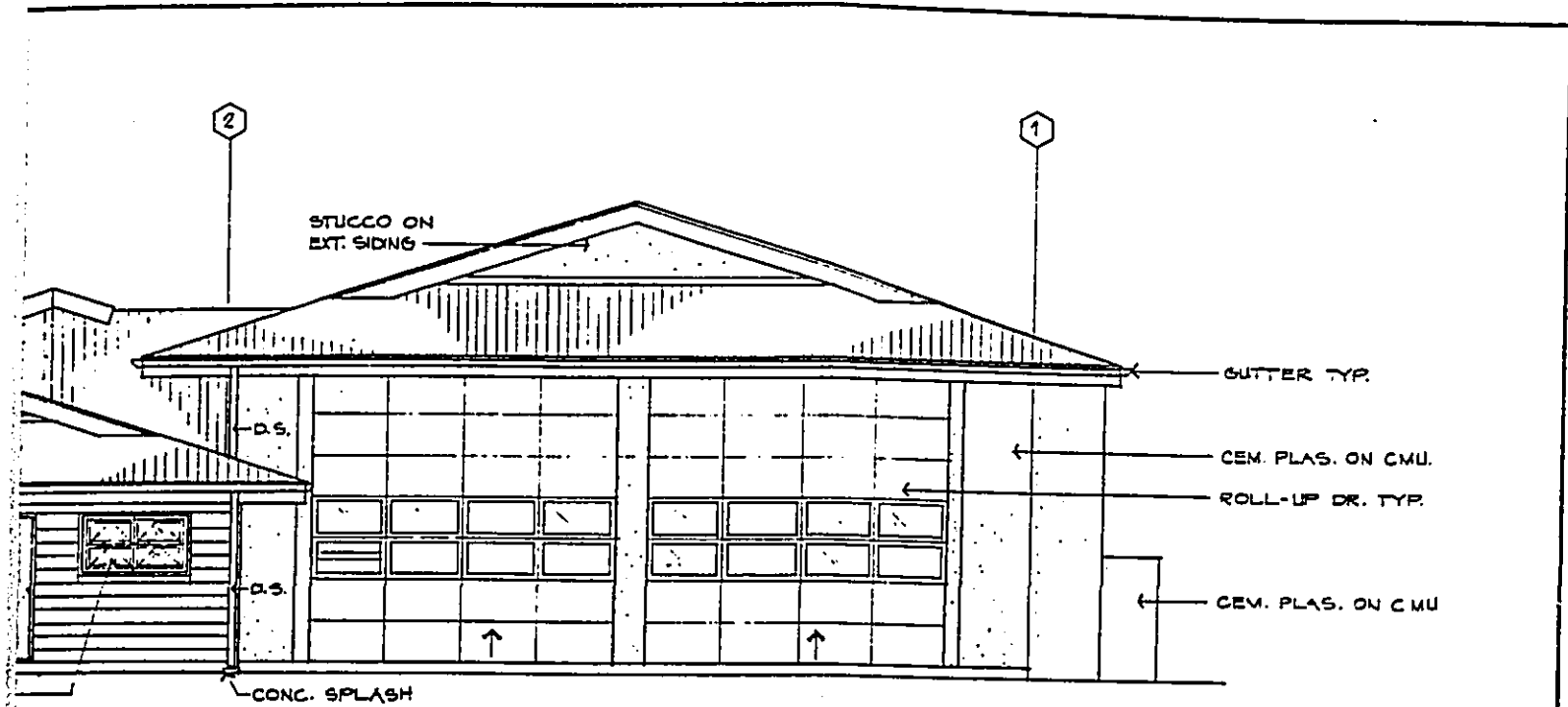
WEST EXTERIOR ELEVATION

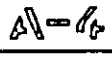
1/4" = 1'-0"

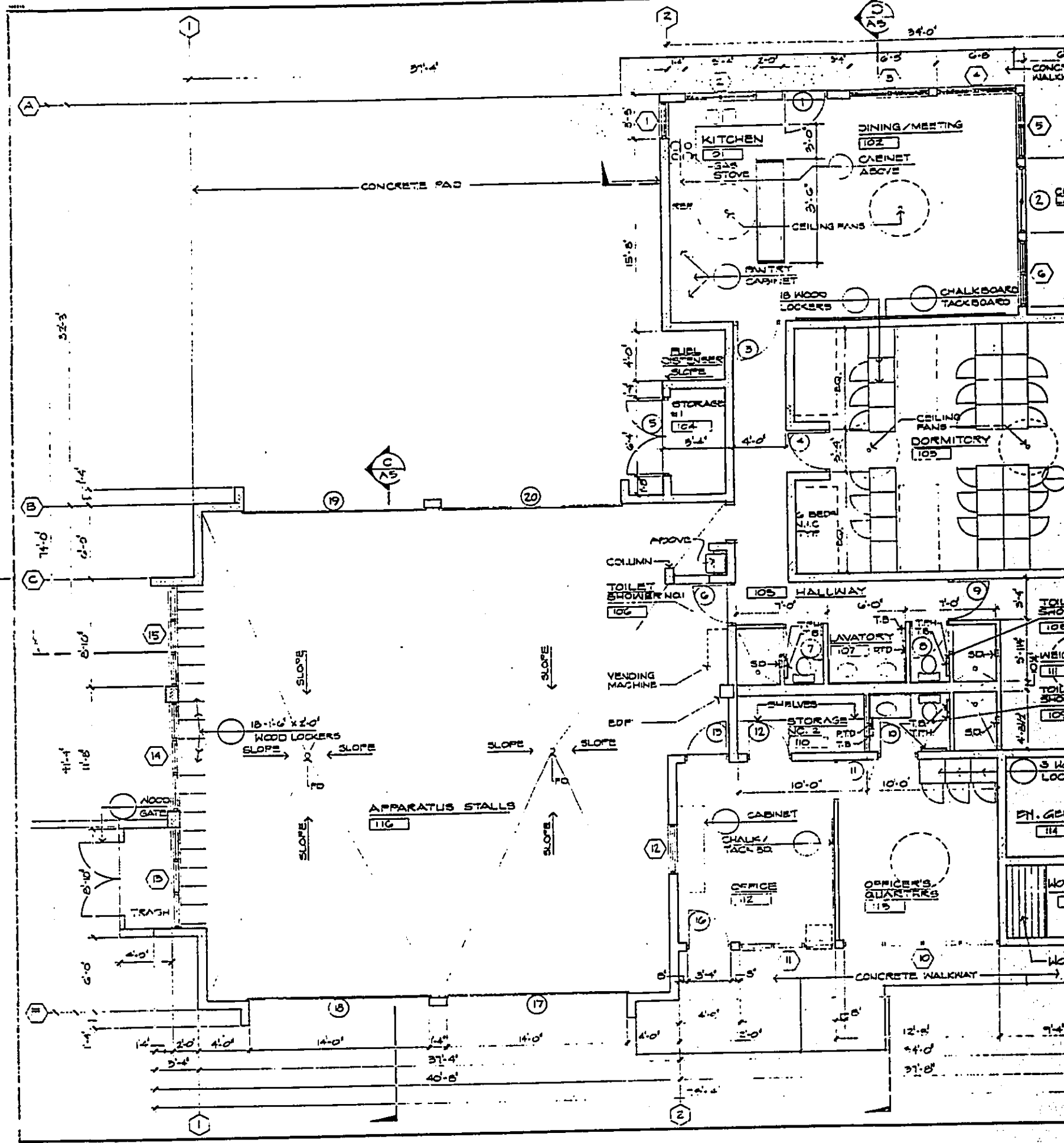


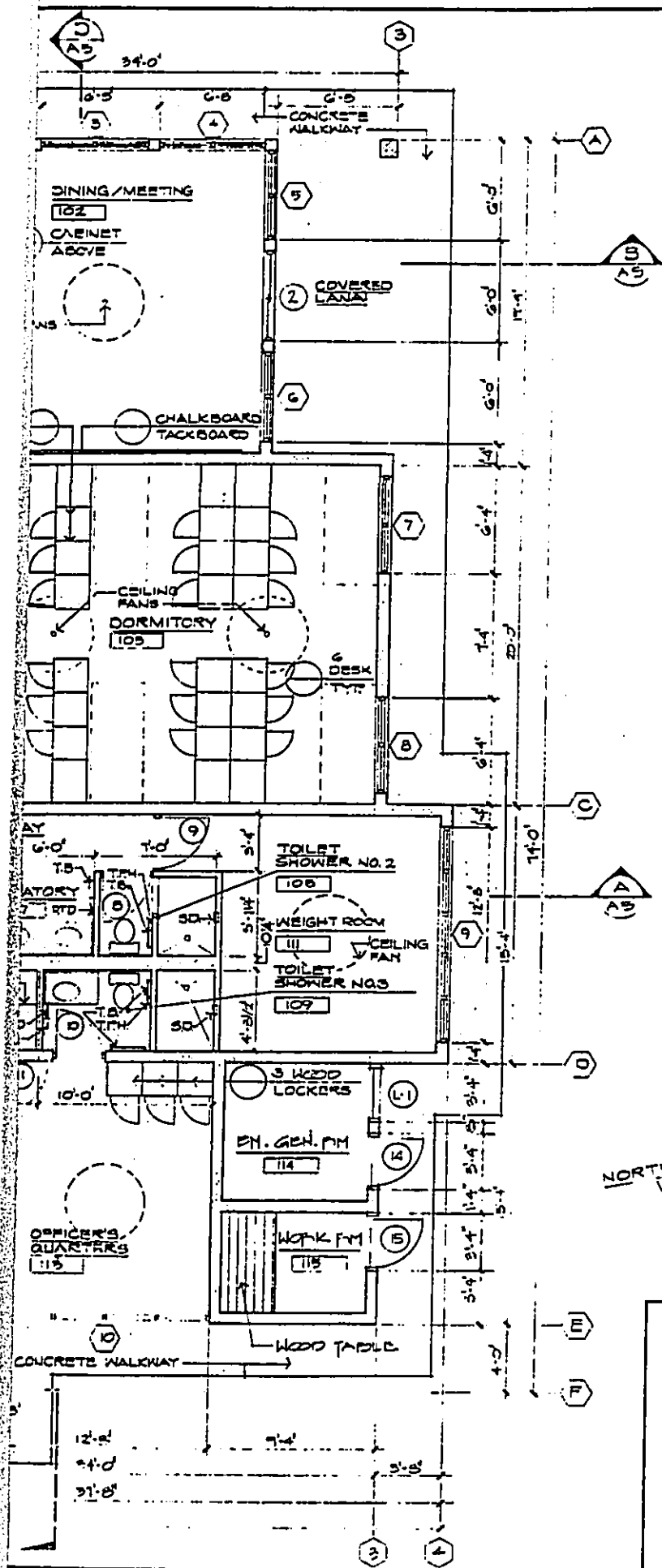
SOUTH EXTERIOR ELEVATION

1/4" = 1'-0"



BUILDING DEPARTMENT			
CITY & COUNTY OF HONOLULU			
SUNSET BEACH FIRE STATION			
PUUKEA BEACH PARK			
EXTERIOR ELEVATIONS			
DESIGN:	Figure 4	 SHEET OF SHEETS	
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PROJECT NO. 1-4A-92-C	FILE	DRAW	FOLDER

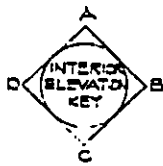




WALL LEGEND	
	8' CMU WALL
	6' CLEAR
	PLUMBING WALL
	2x4 STUDS
	16' O.C.



FLOOR PLAN
1/4" = 1'-0"



BUILDING DEPARTMENT		
CITY & COUNTY OF HONOLULU		
SUNSET BEACH FIRE STATION		
PUPUKA BEACH PARK		
FLOOR PLAN - WALL LEGEND		
DESIGN	Figure 5	A-1
DRAWN		
CHECKED		
DATE		
PROJECT NO. 1-10-92-C	FILE	DRAW FOLDER

Liquid waste will be discharged into a 1,500 gallon capacity septic tank to be installed on-site. There is no municipal sewer in the area and the existing cesspool will be filled and abandoned. Effluent from the septic tank will be discharged via a series of 6-inch perforated PVC pipe into an on-site leaching field. Solids will be collected by a private contractor for disposal.

An existing underground aviation fuel tank will be removed. As part of the fire station project, an underground storage tank (UST) for diesel fuel will be placed on-site at a location to be determined. The 1,000 gallon tank will be installed, operated, and maintained per Federal UST regulations. *

The site will be filled and graded to drain in the direction of the two ocean facing corners. Runoff will be collected by drain inlets (one in each corner) and conveyed by a 12-inch PVC line (150 L.F.) to an existing drainage line along the northern edge of the property. This line discharges runoff onto the rocky coast below the site.

A 5-foot high cement masonry wall will be constructed at the rear of the property and along the side property lines. Beginning at the northwest corner, the wall will be constructed 5-feet inside the rear property line and angled to the southwest corner. Along the side yard, the wall height eventually decreases to less than a foot high. The wall will be topped by a 4-foot high chain link fence, above existing and finished grades.

The Fire Department also is requesting that the existing municipal bus stop fronting the station be relocated nearby on Kamehameha Highway.

C. Economic Characteristics

The cost of the new Sunset Beach Fire Station is estimated at \$1.1 million (\$1991) and will be funded by the City and County of Honolulu.

D. Phasing

The project will be implemented in one construction phase over a nine month period. Construction will commence after receipt of all necessary permits and approvals.

During construction, no cessation of fire protection services is contemplated. Firefighters will be quartered in two trailers placed on a vacant lot on Pupukea Road (TMK: 5-9-11:57). This lot is owned by the City and County of Honolulu.

↑
changed
see letter of
determination
dated 4/15/92
from Bldg. Dept.
They will stay on
the same site.

SECTION 2

SUMMARY DESCRIPTION OF THE AFFECTED ENVIRONMENT

A. Existing Use

Fifteen men are assigned to the Sunset Beach Fire Station. Five men are on duty at all times. Their primary fire fighting apparatus is a 1,500 gallon per minute pumper. No rescue boats or emergency vehicles are permanently based at the station. During the storm surf season (generally December through March) a Fire Department helicopter usually lands on-site to aid in ocean rescues. In 1990, the Fire Department rescue helicopter recorded 38 flights (take off/landing) from the station. In addition, military evacuation helicopters recorded 6 flights. The helicopter is normally docked at Honolulu International Airport.

Free blood pressure tests are given at the station when the company is in quarters.

B. Surrounding Use

Located on the grounds of Pupukea Beach Park, the Sunset Beach Fire Station abuts park lands and recreation facilities on the north, west, and south. Kamehameha Highway borders the fire station to the east. Further mauka, neighboring lands are used for commercial (one supermarket) and residential purposes.

C. Topography

The site is relatively level with the highest elevation (adjacent to Kamehameha Highway) approximately 26 feet. The parcel slopes mauka to makai to a low of about 18 feet along the rear property line. Cross slope ranges between 5-6%. The property sits below highway grade.

D. Soils

A soils exploration report disclosed that the surface soil covering the site is a reddish brown silty clay. The clay is in a medium stiff to stiff condition and extends to depths of 6 to 7.5 feet.

E. Hydrology

There are no well defined drainage channels, surface water bodies, or potable ground water resources in the vicinity of Pupukea Beach Park. Recent soil test borings indicate no groundwater is present to depths of (-) 14 feet.

F. Drainage

In general, on-site runoff flows over the site following the natural grade and discharges onto the rocky beach below. Because Pupukea Beach Park is below highway (Kamehameha Highway) grade, it is subject to road runoff and overland flow from mauka areas.

An existing 36-inch storm drain extends from the mauka corner of Pupukea Drive and Kamehameha Highway to an open, unlined channel (approximately 2'-0"W x 2'-6"D) makai of and parallel to Kamehameha Highway. The channel follows a paved off-street parking lot north of the fire station site and discharges into the ocean. An 18-inch storm drain runs just inside the northern property boundary and discharges makai of the station. The drain inlet is located on the mauka side of Kamehameha Highway directly opposite an existing bus shelter.

The existing storm drainage system may not be adequate to handle runoff from intensive storms. Oftentimes runoff exceeds the capacity of the drainage system and shallow flooding and extensive ponding (of Kamehameha Highway) occurs.

G. Flood Hazard

Flood Insurance Rate Maps (FEMA, 1987) identify several flood/non-flood hazards in the vicinity of the fire station.

Approximately one-half the property (the mauka half) lies in Zone X (unshaded) which is defined as areas outside the 500 year flood plain. The makai half of the site is designated Zone AE which is a 100-year flood hazard area designation. A 100-year flood would flood the site to an elevation of 18-feet above sea level.

Park lands and coastal areas makai of the fire station are designated VE which are areas subject to coastal flooding with velocity hazard (wave action). This area would be inundated by water to an elevation of 17 feet above sea level along the rocky backshore and decreasing to 16 feet at about the vegetation line.

H. Archaeology

No archaeological or cultural features are recorded on the premises (Historic Site Maps, Department of Land and Natural Resources).

I. Flora

Vegetation consists primarily of grass, stands of Milo trees (Thespesia populnea) along the north and south property lines, and 4-6 coconut palms (Cocos nucifera) planted around the station. Ti (Cordyline terminalis) and a patch of banana (Musa sp.) also grow on the north side of the station. Aside from their ornamental and dietary uses, the north side plantings aid in attenuating noise from the adjoining public tennis court and open recreation area.

J. Shoreline

The property does not abut the shoreline but is separated from it by a combination grassy area (of varying width), overgrown vegetation, and a sloping, rocky bank. This area, which is part of Pupukea Beach Park, is used for lateral shoreline access (from one end of the park to the other) and access to the rocky shoreline below.

Marine waters off Pupukea Beach Park are defined as Open Coastal Waters and rated Class A waters. Closer to shore, all open coastal waters are classified by bottom subtype. Sharks Cove at Pupukea is categorized as "wave exposed communities" and assigned a Class I rating in which the "marine bottom ecosystems remain as nearly as possible in their natural pristine state with an absolute minimum of pollution from any human-induced source" (Chapter 11-54, Hawaii Administrative Rules).

K. Land Use Controls

The half-acre parcel is classified Urban by the State Land Use Commission. Urban classified lands are under the jurisdiction of the counties and their respective land use controls. The General Plan of the City and County of Honolulu designates North Shore communities Rural. These are areas of Oahu characterized by a preponderance of open and agricultural lands with limited development clustered in small, low density residential areas which have a strong sense of community and a country-line environment (Ordinance 84-54, as amended).

The North Shore Development Plan Land Use Map (Ordinance 83-10) designates the fire station site Public Facility. The Development Plan Public Facility Map programs modifications to the station within 6 years.

The site is zoned General Preservation (P-2) and public buildings are a permitted use in the zoning district. Applicant is also requesting waivers from several standards of the zoning district to construct the proposed station.

The property falls within the County delineated Special Management Area and a Shoreline Management Permit is required for this project.

L. Coastal Views

Chu and Jones (1987) identified two significant coastal viewing opportunities in the project area. They described a stationary view as "the coastline from Pupukea Beach Park to Sunset Point is designated as Park, providing the pedestrian with unobstructed high quality coastal views from the shoreline..." and a roadway view as "continuous intermittent views at the area fronting Pupukea Beach Park".

They further noted that "Pupukea Beach Park has vivid viewing qualities" and "if any existing structures are to be replaced, siting and design are the key ingredients for compatibility".

From Kamehameha Highway, the fire station and landscaping block views of the ocean on the northern half of the lot. The open yard space on the southern half provides an open ocean view for pedestrians and an intermittent view for motorists. The view is cluttered by overhead power lines.

M. Circulation

Kamehameha Highway, one of the major roads on Oahu, provides a ground transportation link with Central Oahu, Honolulu, East Honolulu, Windward Oahu, and North Shore communities. Near the Sunset Beach Fire Station, the two 10-foot travel lanes of Kamehameha Highway are accommodated within a 50-foot right-of-way. There are no curbs, gutters, or sidewalks although the shoulder fronting the station has been paved for a bus stop/acceleration lane.

The State Department of Transportation has apprised applicant of future plans (beyond 6 years) to widen the highway to four lanes. No technical information on the widening is available.

N. Wastewater

There is no municipal wastewater collection and treatment system serving North Shore communities. Cesspools are the primary means of disposal but are being phased out by health regulations in favor of alternative systems.

O. Utilities

Electrical and communication services are available from overhead lines along Kamehameha Highway.

P. Recreation

Pupukea Beach Park is a heavily used recreation facility. Facilities include a basketball court, comfort station, picnic benches, and open areas for active or passive activities. The rocky shoreline protects beach goers from ocean waves and creates tidal pools/ponds for play and other purposes. Sport diving and fishing to include shore casting, spear fishing, trapping, and throwing net are popular ocean activities.

SECTION 3

SUMMARY OF POTENTIAL ENVIRONMENTAL IMPACTS AND MEASURES TO MITIGATE ADVERSE EFFECTS

A. Assessment Process

The scope of the project was discussed with staff of the Building Department, Fire Department administrators, the consulting Architect, and others comprising the design team. State and County agencies were contacted for information relative to their areas of expertise. Time was spent in the field noting site conditions and conditions in the vicinity of the Sunset Beach Fire Station. The discussions and field investigations allowed us to identify existing conditions and features which could be affected by the project and upon which impact assessment would be made. These influencing conditions are:

B. General Findings

- . The new station will be constructed on the site of the existing station which has been at this location for 33 years;
- . No change in public use or long-term displacement of activities is considered by the proposed action;
- . Land on which the improvements are proposed has been modified extensively by fill, landscape plantings, and a.c. paving;
- . Public utilities are available and adequate to service the new station.
- . The site is not adjacent to a wetland, marsh, estuary, or wildlife preserve;
- . The site is devoid of archaeological features on the ground surface;
- . There are no threatened or endangered flora and fauna on the premises;
- . The site lies within an identified flood hazard area; and
- . The property does not impede pedestrian access to or along the shoreline.

C. Land Alteration

The existing fire station will be razed, the site grubbed of all vegetation, and the existing ground scarified and recompactd to 90 percent compaction. Imported structural fill will be used to raise the ground to finish elevation. On-site soils may also be used. Anticipated foundation settlement in the range of 1/2-inch has been computed with differential settlement not expected to exceed 1/4-inch.

D. Air Quality

Fugitive dust will be raised during demolition and site work activities. Dust cannot be eliminated entirely but can be suppressed by thorough and frequent water sprinkling. The Contractor will be responsible for general housekeeping of the site and keeping adjacent areas free of mud and sediment. All construction activities will comply with State air pollution control regulations (Chapter 50, Title 11, Administrative Rules of the State Department of Health).

Construction equipment will emit minor quantities of pollutants in the form of engine exhausts and aldehyde odors. Most large construction equipment is diesel powered and carbon monoxide emissions are generally low but nitrogen dioxide emissions can be quite high. Emissions from construction equipment, however, should be significantly less than levels generated by daily traffic on Kamehameha Highway.

E. Noise

Construction noise, like fugitive dust, cannot be avoided and all activities will comply with noise provisions of Chapter 42, Vehicle Noise Control for Oahu and Chapter 43 Community Noise Control for Oahu, Title 11, Administrative Rules of the State Department of Health.

F. Water Quality

The proposed improvements are not expected to generate runoff that would adversely impact ocean water quality. On-site runoff will be collected into two drain inlets and piped to an existing drainline that discharges onto the rocky shoreline below the site. No appreciable increase in runoff volume is anticipated and the drainage system should negate current sheet flow conditions.

The retaining wall should also confine runoff to the site and minimize the amount of sediment entering the ocean.

The fire apparatus is "washed down" on a regular basis. The apparatus is first wiped by hand (including the undercarriage) then washed. This procedure precludes the introduction of contaminated water, petroleum residues, and hazardous detergent residue into the environment.

G. Archaeology

Should subsurface archaeological features be unearthed, work in the immediate area will cease and proper historic authorities notified for disposition of the finds.

H. Land Use

The proposed project is consistent with existing land use controls and facility plans for the area. Rebuilding the station on the same site of the existing station for the same public safety use will not adversely affect or alter the use of adjoining recreation, commercial, and residential land uses.

The project site lies within the County Special Management Area (SMA) and most of the planned improvements have been designed or engineered to minimize impacts on SMA resources and to comply with applicable codes and regulations.

I. Coastal Views

The completed project should not affect high quality coastal views from the shoreline identified by Chu and Jones. The property is not a shoreline lot but is separated from the shoreline by a portion of Pupukea Beach Park. The new station will be set back from the ocean fronting property line thus minimizing any projection into views along the shoreline. In addition, the new station is sited in almost the same location and designed to "fit" its setting as recommended by Chu and Jones (1987). This also complies with the Development Plan Special Provision to protect important public views including "ocean views from Kamehameha Highway between Kawalloa and Sunset Beach". A change in the appearance between existing and proposed stations is anticipated but should not significantly detract from the general appearance of the ocean front park and its recreation facilities. The addition of a stone wall and chain link fencing encircling the station and landscaping fronting Kamehameha Highway will not significantly obstruct an existing "window" to the ocean. The window is created by the lack of landscaping in the front of the Station and the open yard area used by the emergency helicopter. The proposed landscaping should enhance this "window" and the general appearance of the new station.

J. Fire Protection

In the long-term, the new fire station will not alter fire protection services available to North Shore communities. Existing manpower requirements should remain unchanged, firefighting and rescue operations will continue, and no expansion or reduction in the station's tactical area is planned.

A Honolulu Fire Department emergency helicopter will be deployed to the station during winter months to aid in ocean rescue operations. The helicopter responds to emergencies on demand and regular training flights are not scheduled. The helicopter flight path (approach and departure) is from the west over the ocean thus avoiding overflying noise sensitive areas. In the long-run, quick response capability in life endangering situations, outweighs the short-term nuisance of helicopter noise (blade slap).

K. Utilities

Water, electrical power, and communication systems are available and will be brought to the site without disruption in service. The existing station is already serviced by these systems and no appreciable change in existing use (or consumption patterns) is anticipated.

L. Wastewater

If operated properly and maintained regularly, the septic tank and leaching field should not adversely affect the surrounding environment. For unsewered areas, a septic tank and effluent disposal alternatives are the best practical wastewater system. It cannot be determined if percolating effluent would make its way to the nearby ocean, where it might emerge, and in what concentrations. The sandy soil and rock formations would remove and trap bacteria from the waste stream thus minimizing potential water quality degradation.

M. Shoreline Access

The Department of Parks and Recreation has requested that safe pedestrian access along the shoreline be maintained both mauka and makai of the fire station. To accommodate this request, most of the planned retaining wall along the makai edge of the property will be set 5 feet inside the property line thus providing a wider footpath than now exists.

SECTION 4

ALTERNATIVES TO THE PROPOSED ACTION

No Action

A no action alternative would maintain the status quo of the site and fire station. No environmental impacts would occur if a no action alternative is pursued. The station, however, would continue to physically deteriorate.

Alternative Site

The City acquired a 20,000 SF parcel mauka of the existing site (TMK: 5-9-11:57) in 1975 for a fire station site. Since that time, the surrounding lands have been developed for residential uses. The Fire Department believes that locating a fire station in a residential subdivision is a detriment to both residential and public safety uses. In addition, having the emergency helicopter fly over residences and overhead wires to arrive/depart the site creates an unnecessary safety problem for the public and the helicopter pilot. For these reasons, this site was rejected for the new fire station.

Alternative Design

Several alternate design plans were prepared by the consulting architect and evaluated by Building and Fire Department staff. These alternative plans were not substantially different from the proposed station plan in terms of building footprint, square footage, and allocation of interior spaces. Placing the fire apparatus garage on the north side of the station rather than the south side as initially proposed is the major change. It is unlikely that an alternative design would result in environmental impacts differing significantly from those described in this Assessment.

SECTION 5

DETERMINATION OF SIGNIFICANCE

Chapter 200 (Environmental Impact Statement Rules) of Title 11, Administrative Rules of the State Department of Health, contains criteria for determining whether an action may have significant effects on the environment (11-200-12). The relationship of the proposed project to these criteria is discussed below.

- (1) Involves an irrevocable commitment to loss or destruction of any natural or cultural resource;

There are no natural or cultural resources found on the 0.517 acre site.

- (2) Curtails the range of beneficial uses of the environment;

The new fire station will continue the existing use on the same site except in a larger structure. The new station replaces an aged, cramped, and termite infested building with more spacious surroundings for the benefit of the firefighters and the general public. The proposed action is consistent with on-going City construction programs to upgrade public safety buildings throughout the community.

- (3) Conflicts with the State's long-term environmental policies or goals and guidelines as expressed in Chapter 344, Hawaii Revised Statutes, and any revisions thereof or amendments thereto, court decisions or executive orders;

The proposed project does not conflict with the State's long term environmental policies.

- (4) Substantially affects the economic or social welfare of the community or State;

The proposed project will improve living and working facilities for firefighters assigned to the station.

- (5) Substantially affects public health;

Public health will not be adversely affected by construction related impacts in the short-term and long-term use of the site for a public safety facility.

- (6) Involves substantial secondary impacts, such as population changes or effects on public facilities;

Existing public facilities to include roads, water, and utility systems are adequate to service the new station and no substantial secondary impacts are anticipated.

- (7) Involves a substantial degradation of environmental quality;

Environmental quality will not be substantially degraded as a result of the proposed project. The new station and ancillary improvements will physically alter some views from Kamehameha Highway towards the ocean but will not degrade the open space attributes of the adjoining beach park.

- (8) Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions;

The project does not involve a commitment for a larger action.

- (9) Substantially affects a rare, threatened or endangered species, or its habitat;

No rare, threatened, or endangered flora and fauna have been observed on the fire station site.

- (10) Detrimently affects air or water quality or ambient noise levels; or

Fugitive dust raised during construction noises can be mitigated by applicable air pollution control and noise regulations of the State Department of Health. Proper installation, operation, and maintenance of the planned individual wastewater disposal system should minimize detrimental effects on ocean water quality. In the long-term, the nuisance effect of helicopter noise is outweighed by the quick response time of the emergency helicopter in life endangering situations.

- (11) Affects an environmentally sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.

Although the project site is partially located in a flood hazard area, construction of the proposed station should not substantially affect the flood plain. Topographic survey shows the existing elevation of the property to be above the estimated base flood height. On the other hand, the site will probably continue to be subjected to runoff from mauka areas overflowing the storm drainage system and causing shallow flooding and widespread ponding along Kamehameha Highway. The addition of the retaining wall should minimize the amount of sediment entering the ocean.

SECTION 6

AGENCIES AND ORGANIZATIONS CONSULTED
IN THE PREPARATION OF THE ENVIRONMENTAL ASSESSMENT

Federal

- * U.S. Army Corps of Engineers

State

- * Department of Health
Department of Land and Natural Resources
- * Department of Transportation
Office of Environmental Quality Control
Office of State Planning

County

- * Board of Water Supply
- * Department of General Planning
Department of Health
- * Department of Land Utilization ✓
- * Department of Parks and Recreation
- * Department of Public Works
- * Department of Transportation Services
- * Fire Department
- * Police Department

Others

- Councilperson Rene Mansho
Koolauloa Neighborhood Board No. 28
- * Hawaiian Electric Company
Hawaiian Telephone Company
Sunset Beach Community Association

- * Denotes consulted parties who responded in writing.

BIBLIOGRAPHY

AECOS, Inc. 1981. O'ahu Coastal Zone Atlas Representing the Hawai'i Coral Reef Inventory Island of Oahu (OCRI) Part C. Produced for U.S. Army Corps of Engineers Pacific Ocean Division Fort Shafter, Hawaii.

Department of Land Utilization, City and County of Honolulu. 1987. Coastal View Study. Prepared by Michael S. Chu and Robert B. Jones.

Federal Emergency Management Agency. 1987. Flood Insurance Rate Map. Community Parcel 15001 009 B. City and County of Honolulu.

United States Department of Agriculture Soil Conservation Service. 1972. Soil Survey of Islands of Kauai, Oahu, Maui, Molokai, and Lanai, State of Hawaii. In cooperation with the University of Hawaii Agricultural Experiment Station. U.S. Government Printing Office. Washington D.C.

APPENDIX

COMMENTS TO THE PRELIMINARY ENVIRONMENTAL ASSESSMENT

Hawaiian Electric Company, Inc. • PO Box 2750 • Honolulu, HI 96840-0001

RECEIVED
1/22/92

POLICE DEPARTMENT
CITY AND COUNTY OF HONOLULU

1115 SOUTH KEELE STREET
HONOLULU, HAWAII 96813-4001 (808) 551-3111

RECEIVED
1/23/92



MICHAEL S. HAKAHURA
Chief
MARGARET M. KAMAHARA
Deputy Chief

FRANK P. PARK
LIEUTENANT

OUR REFERENCE SG-IX

January 23, 1992

Mr. Gerald Park
Gerald Park Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Environmental Assessment (EA)
Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Oahu, HI

We have reviewed the subject EA, and have no comments at this time on the proposed project. HECO shall reserve further comments pertaining to the protection of existing powerlines bordering and servicing the area until construction plans are finalized.

Sincerely,


cc: Haseko (Hawaii), Inc. (P. Jordan)

An HEI Company

January 23, 1992

Mr. Gerald Park
Gerald Park Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Oahu, Hawaii

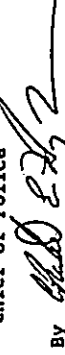
We have reviewed the environmental assessment regarding the above-referenced project and support the reconstruction. We do not anticipate the project will have an impact on calls for police services in the area.

However, we would like to comment on the installation of a radio antenna for the Honolulu Police Department. Because of the fact there is a building height restriction of 25 feet, we find that the proposed antenna will not be of benefit to our department. We are, therefore, looking for alternate sites.

Thank you for the opportunity to provide comments.

Sincerely,

MICHAEL S. HAKAHURA
Chief of Police

By 

CHESTER E. HUGHES
Assistant Chief of Police
Support Services Bureau

DEPARTMENT OF TRANSPORTATION SERVICES
CITY AND COUNTY OF HONOLULU

HONOLULU MUNICIPAL BUILDING
155 ALI'OLE STREET
HONOLULU, HAWAII 96813



RECEIVED
2/5/92

JOSEPH M. MAGALDI, JR.
DIRECTOR
AMAR BAPPAL
DEPUTY DIRECTOR

TE-120
PL92.1.017

February 5, 1992

Mr. Gerald Park
Gerald Park Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station - Pupukea
Reconstruction of Facilities
TRK: 5-9-04: 29

This is in response to your letter dated January 9, 1992 requesting our comments on the preliminary Environmental Assessment for the subject project.

We have the following traffic comments:

1. Sufficient off-street parking should be provided in accordance with the Land Use Ordinance.
2. The relocation of the existing bus stop should be coordinated with the Public Transit Authority and State Department of Transportation - Highways Division.
3. State Highways should also be consulted for additional traffic requirements since this portion of Kamehameha Highway is a State facility.

Should you have any questions, please contact Wayne Nakamoto of my staff at 523-4190.

Sincerely,

JOSEPH M. MAGALDI, JR.
Director

HAWAIIAN TEL

Beyond the Limit

HAWAIIAN TEL
515 ALI'OLE STREET
HONOLULU, HAWAII 96813

RECEIVED

January 28, 1992

Gerald Park
Urban Planner
1245 Young Street, Suite 201
Honolulu, HI 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Oahu, Hawaii

Thank you for allowing GTE Hawaiian Tel to comment on your Environmental Assessment for the Sunset Beach Fire Station Reconstruction at Pupukea, Oahu, Hawaii.

We do not foresee any problems with your preliminary plans. The existing telecommunication services are currently provided via aerial facilities to the fire station. Should telecommunication services to the new structure be rerouted via underground facilities, new service points will have to be determined. These service points should be defined in your final design plans when they are issued and submitted to our engineering department for approval.

Again, thank you for including GTE Hawaiian Tel in your research. If you have any questions, please contact Nelson Yrizarry at 834-8222.

Sincerely,

Jan M. Uyebara

Jan Uyebara
(Acting) Operations Manager
OSP Engineering

NY/PH/K92031

cc: P. Hanson
file

DEPARTMENT OF GENERAL PLANNING
CITY AND COUNTY OF HONOLULU

140 SOUTH KING STREET
HONOLULU, HAWAII 96813



RECEIVED
2/3/92

BENJAMIN B. LEE
Chief Planning Officer
ROLAND S. LIBBY, JR.
Deputy Chief Planning Officer
MM 1/92-81

Mr. Gerald Park
Urban Planner
February 3, 1992
Page 2

Should you have any questions, please call Melvin Murakami
of our staff at 527-6020.

Sincerely,

BENJAMIN B. LEE
Chief Planning Officer

BBL:lh

February 3, 1992

Mr. Gerald Park
Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Preliminary Environmental Assessment for
Sunset Beach Fire Station Reconstruction
Pupukea, Koolaula, Oahu, Hawaii

This is in response to your letter of January 9, 1992
requesting our comments on the Preliminary Environmental
Assessment for the Sunset Beach Fire Station reconstruction.

The proposal is consistent with the North Shore Development
Plan Land Use Map designation for this site of Public Facility
and with the designation on the Public Facilities Map for
modification of the existing Sunset Beach Fire Station, within
six years.

The modification of the fire station is the subject of a
recent Development Plan amendment, which was enacted by Ordinance
91-42, effective July 29, 1991. This ordinance added the
modification symbol in the mauka area and deleted an alternative
fire station site. Your submittal should mention the recent
change.

The preliminary assessment appears to be adequate. We have
no further comment at this time.

DEPARTMENT OF PUBLIC WORKS

CITY AND COUNTY OF HONOLULU

150 SOUTH KING STREET
HONOLULU, HAWAII 96813



PLANE F. FIRM
DATE:

RECEIVED
2/27/92

SAM CALLEJO
DIRECTOR AND CHIEF ENGINEER
C. MICHAEL STREET
APARTMENT 201
ENV 92-29

PLANE F. FIRM
DATE:



FIRE DEPARTMENT
CITY AND COUNTY OF HONOLULU

1155 SOUTH KEELE STREET, ROOM 300
HONOLULU, HAWAII 96813

RECEIVED
2/27/92

LIONEL E. CAMARA
FIRE CHIEF
DONALD B. CHANG
DEPUTY FIRE CHIEF

January 30, 1992

Mr. Gerald Park
Gerald Park Urban Planner
1745 Young Street
Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Environmental Assessment (EA)
Sunset Beach Fire Station Renovation
TMA:5-9-04.12

We have reviewed the subject EA and have the following comments:

1. Should a septic tank be used, approval from the State Department of Health is required.
2. When pumping of the septic tank is needed, a private pumping service will have to be arranged by the Fire Department since we do not provide service for pumping septic tanks.

Very truly yours,

C. Michael Street
SAM CALLEJO
Director and Chief Engineer

cc: Building Department
(Doug Collinson)

February 5, 1992

Mr. Gerald Park, Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

We have reviewed the subject material provided and have made our comments in red.

Thank you for the opportunity to comment on the project. If you have any questions, please contact Battalion Chief Attilio Leonard at 943-3838.

Sincerely,

Lionel E. Camara
LIONEL E. CAMARA
Fire Chief

AKL:ny

DEPARTMENT OF PARKS AND RECREATION
CITY AND COUNTY OF HONOLULU
530 SOUTH KING STREET
HONOLULU, HAWAII 96813

RECEIVED
2/5/74



FRANK F. YAM
DIRECTOR

February 5, 1974

Mr. Gerald Park
Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Tax Map Key 5-9-04:29

Thank you for consulting us before plans were finalized. We have reviewed the preliminary Environmental Assessment for Sunset Beach Fire Station reconstruction and have the following comments.

Sunset Beach Fire Station bisects Pupukea Beach Park. To get between the two sides of the park, the public now walks across both the mauka and the makai sides of the fire station property. Plans shown in the preliminary Environmental Assessment seem to interfere with existing lateral pedestrian access. We request that the new fire station maintain safe lateral pedestrian access both makai and mauka of the fire station.

Sincerely,

Walter M. Ozawa
WALTER M. OZAWA, Director

WMO:ei

cc: Building Department
Department of Transportation Services
Department of Land Utilization

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
DIVISION OF WASTEWATER MANAGEMENT
540 SOUTH KING STREET
HONOLULU, HAWAII 96813

RECEIVED
2/13/74



FRANK F. YAM
DIRECTOR

February 7, 1974

Mr. Gerald Park, Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Oahu, Hawaii

We have no objections to the Sunset Beach Fire Station Reconstruction Project. There are no municipal sewers in the area and none are planned for in the near future.

For your added information, approval from the State Department of Health is required for the use of septic tanks. When pumping is required, a private pumping service will have to be hired because the City will not pump septic tanks.

If there are any questions, please call the Planning Section of the Division of Wastewater Management at 523-4653.

Very truly yours,

George M. Uyema
GEORGE M. UYEMA
Chief

RECEIVED
2/17/92

DEPARTMENT OF LAND UTILIZATION
CITY AND COUNTY OF HONOLULU



DONALD A. CLZOG
DIRECTOR
LORETTA L. CHAI
ADMINISTRATIVE
LU 1/92-178 (DK)

February 13, 1992

Mr. Gerald Park
Urban Planner
1245 Young Street
Honolulu, Hawaii 96814

Dear Mr. Park:

Comments on Environmental Assessment (EA)
Sunset Beach Fire Station Reconstruction
Tax Map Key: 5-9-04: 29

We have reviewed the above-referenced EA and offer the following comments, questions, and recommendations:

- Shoreline Setback Variance (SV)
A SV will be required if the proposed concrete rubble masonry (CRM) retaining wall and chainlink fence are within the 40-foot shoreline setback. A current certified shoreline must be submitted as part of a Special Management Area Use Permit (SMP) application for this project.

- Visual Concerns
Because the new fire station will be located between Kamehameha Highway and the ocean, a view plane analysis will be required. Profile and Elevation drawings showing the proposed structures as seen from various points along Kamehameha Highway should be provided. Since the proposed structure may be visible from public beaches or scenic points, the view plane analysis should also demonstrate how scenic views may be impacted by the proposal. A topographic map showing existing ground and proposed ground elevations, and proposed building elevations should also be included.
The EA should depict the height and length of the proposed CRM retaining wall and chainlink fence.

Mr. Gerald Park
Page 2

3. Soil Stability and Grading

The EA states that the site may be filled to raise the floor elevation. If the site is filled, discuss location to be filled and the amount to be filled.

A discussion of the ability of the soil to support the structure should also be included.

4. Site Plan

A site plan should be submitted with the SHP application indicating existing and proposed structures, vegetation line, 40-foot shoreline setback line, landscaping, and elevation and cross sections of the project.

5. Alternative Sites

Were alternative sites for the project considered? If yes, where? If no, why not?

If you have any questions, please call Dana Kohama of our Environmental Affairs Branch at 523-4648.

Very truly yours,

Donald Clzog

DONALD A. CLZOG
Director of Land Utilization

DAC:ccct

abfiro.djk

RECEIVED
FEB 15 1992
STATE OF HAWAII
DEPARTMENT OF HEALTH



STATE OF HAWAII
DEPARTMENT OF HEALTH
P. O. BOX 5478
HONOLULU, HAWAII 96814

STATE OF HAWAII
DEPARTMENT OF HEALTH

92-023
Mr. Gerald Park
February 12, 1992
Page 2

BY MAIL, PLEASE REPLY BY

92-023/epo

February 12, 1992

Mr. Gerald Park
Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Pupukea, Koolauloa, Hawaii
THK: 5-9-4129

Thank you for the opportunity to review and comment on the subject project. We have the following comments to offer:
Wastewater

The subject project is located in a non-sewered area, below the Underground Injection Control (UIC) Line, in the "Pass" Zone, and in the critical wastewater disposal area as determined by the Oahu Wastewater Advisory Committee. Consequently, no new cesspools will be allowed in the subject area.

Section 11-62-31.1(d) of the Department of Health Administrative Rules, Chapter 11-62, Wastewater Systems, prohibits a public building from utilizing new cesspools. As we consider the project to be a new building, we will require that the existing cesspool system to be upgraded to a non-cesspool individual wastewater system (IWS). The proposed septic tank and leaching field is acceptable for domestic wastewater, provided that the system meets all of the applicable requirements of the Department of Health Administrative Rules, Chapter 11-62, Wastewater Systems.

However, we are concerned with non-domestic wastewater. Conventional treatment works and IWSs may not be appropriate for such wastes. Detailed plans for both domestic and non-domestic wastewater must be submitted to and approved by the Department.

If you should have any questions regarding this matter, please contact Ms. Lori Kajiwara of the Wastewater Branch at 586-4290.

Moiga

Noise from stationary equipment, such as air conditioning units and emergency generators, must be attenuated to comply with the provisions of the Department of Health Administrative Rules, Chapter 11-43, Community Noise Control for Oahu.

If you should have any questions on this matter, please contact Mr. Jerry Macuno at 586-4700.

Underground Storage Tanks (USTs)

The applicant should be advised that in the removal of their old UST, contamination of soil and/or water may be found. This possibility and the federally-required UST release response actions that follow such discoveries may affect construction and UST installation schedules. Site characterization and clean up activities can take a long time.

If you should have any questions on this matter, please contact Ms. Carolyn Winters of the UST Section at 586-4226.

Very truly yours,

John C. Lemkin
JOHN C. LEMKIN, M.D.
Director of Health

cc: Hazardous Waste Branch
Wastewater Branch
Noise and Radiation Branch



DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, HONOLULU
1600 KALANOAU AVENUE
FT. SHAFTER, HAWAII 96861-5400
February 10, 1992

RECEIVED
2/23/92

BOARD OF WATER SUPPLY
CITY AND COUNTY OF HONOLULU
100 SOUTH BERETANA STREET
HONOLULU, HAWAII 96813

PHILIP F. PAUL, Mayor
WALTER O. HANSON, JR., Chairman
MARGARET M. YAMASATO, Vice Chairman
JOHN W. ANDERSON, JR.
SAM CALLEJO
REED JOHNSON
MELISSA Y. LUM
KAZU HAYASHIDA
Manager and Chief Engineer

REPLY TO
ATTENTION OF:

Planning Division

February 24, 1992

Mr. Gerald Park, Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Mr. Gerald Park
Gerald Park, Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Thank you for the opportunity to review and comment on the Preliminary Environmental Assessment (EA) for Sunset Beach Fire Station Reconstruction, Pupukea, Koolauloa, Oahu (TMK 5-9-04:29). The following comments are provided pursuant to Corps of Engineers authorities to disseminate flood hazard information under the Flood Control Act of 1960 and to issue Department of the Army (DA) permits under the Clean Water Act; the Rivers and Harbors Act of 1899; and the Marine Protection, Research and Sanctuaries Act.

- a. A DA permit is not required.
- b. The flood hazard information presented on page 8 of the EA is correct.

Sincerely,

Kiyu Cheung, P.E.
Director of Engineering

Thank you for the opportunity to review and comment on the proposed project. We have the following comments to offer:

1. The existing water system is presently adequate to accommodate the proposed project. There is an existing 1-1/2 inch water meter currently serving the property.
2. The availability of additional water will be confirmed when the building permit is submitted for our review and approval. If additional water is made available, the applicant will be required to pay our prevailing Water System Facilities Charges and any applicable meter installation charges.
3. If a three-inch or larger meter is required, the construction drawings showing the installation of the meter should be submitted for our review and approval.
4. A Board of Water Supply approved reduced pressure principle backflow prevention assembly should be installed on the consumer side of the property line, as close to the water meter as physically possible.

If you have any questions, please contact Bert Kuloka at 527-5235.

Very truly yours,

KAZU HAYASHIDA
Manager and Chief Engineer

RECEIVED
2/27/92

JOHN WAIKES
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
185 PUNAHONUA STREET
HONOLULU, HAWAII 96813-5007

RECEIVED
2/24/92

ROSE D. JOHNSON
DIRECTOR
DEPUTY DIRECTORS
JOYCE T. OLIVE
AL PANG
JEANNE K. SCHULTZ
COLUMIA T. SUDA
IN REPLY REFER TO:

HNY-CH 2.0883
ID No. 0-92-1

FEB 24 1992

Ht. Gerald Park
Page 2
FEB 24 1992
HNY-CH 2.0883

Ht. Gerald Park
Gerald Park Urban Planner
1245 Young Street, Suite 201
Honolulu, Hawaii 96814

Dear Mr. Park:

Subject: Sunset Beach Fire Station Reconstruction
Preliminary Environmental Assessment

TMK: 5-9-04:29

Your Letter of January 9, 1992

Thank you for your letter requesting our review and comments on the preliminary Environmental Assessment.

We have the following comments:

1. Only one 35-foot wide driveway with 25-foot minimum radius should be provided. Two driveways must be fully justified. Note that Figure 2 shows 22' and 30' wide driveways, while the text on page 4 mentions 16' and 35', respectively. Reconcile;
2. A figure should be provided to show highway right-of-way, edge of pavements, shoulder and acceleration lane. Internal traffic circulation should also be shown;
3. Profile sketch should be provided showing slope of access to the highway and relative elevation of the station;
4. We concur with relocation of bus shelter;
5. Heilpad should be identified on the site plan;

6. Long range plans call for widening of Kanehameha Highway to 4 lanes. Appropriate setback of facilities should be considered; and
7. Further discussion of the investigation into alternative sites should be provided, with identification of surrounding land uses and owners.

Please submit the final Environment Assessment for our review and comments.

Very truly yours,

Stanley H. Harano
Stanley H. Harano
Chief
Highways Division

END

CERTIFICATION

I HEREBY CERTIFY THAT THE MICROPHOTOGRAPH APPEARING IN THIS REEL OF
FILM ARE TRUE COPIES OF THE ORIGINAL DOCUMENTS.

2004

DATE

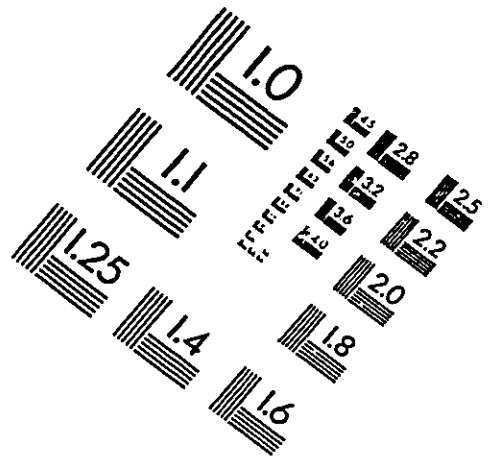
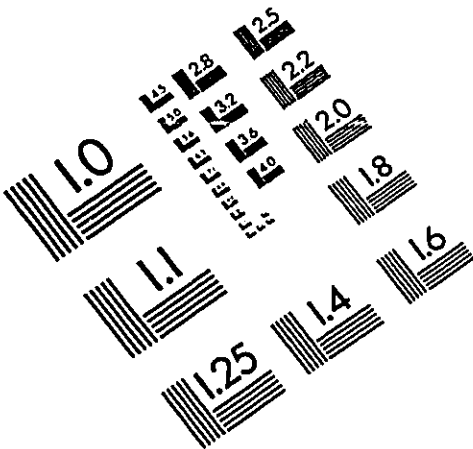
Sammy Yoshimura
SIGNATURE OF OPERATOR



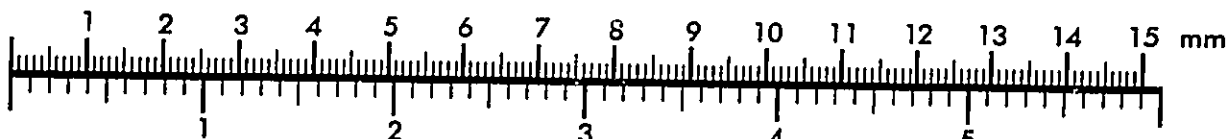
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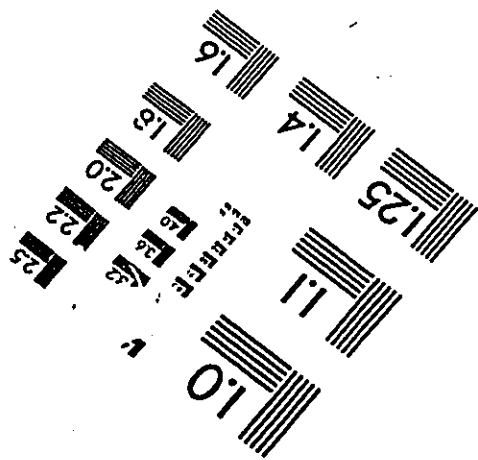
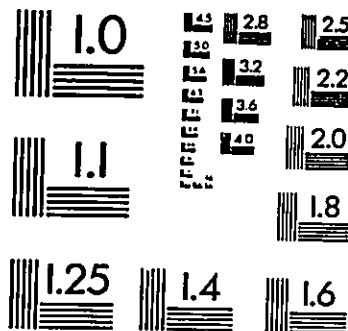
1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
301/587-8202



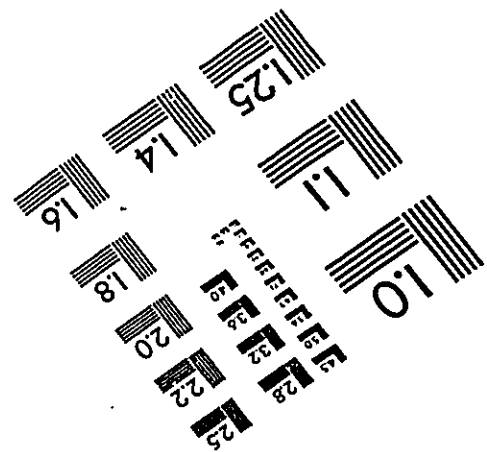
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