

JOHN WAIHEE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

REX D. JOHNSON
DIRECTOR

DEPUTY DIRECTORS
JOYCE T. OMINE
AL PANG
JEANNE K. SCHULTZ
CALVIN M. TSUDA

IN REPLY REFER TO:

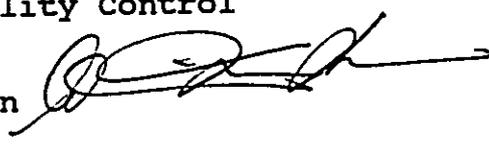
February 7, 1992

RECEIVED

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OFFICE OF ENVIRONMENTAL
QUALITY CONTROL

To: Brian Choy, Director
Office of Environmental Quality Control

From: Rex D. Johnson, Director
Department of Transportation 

Subject: NEGATIVE DECLARATION - CARGO PIPELINES (GASCO)
FOR KAWAIHAE PIER EXTENSION

In accordance with Chapter 343-5(c), Hawaii Revised Statutes, we have reviewed the environmental assessment and determined that the action will not have a significant impact and, therefore, it is submitted as a Negative Declaration (NEG/DEC).

We have enclosed the original plus four (4) copies of the NEG/DEC on the proposal and a completed OEQC Form for publication in the OEQC Bulletin.

Should you have any questions on the action, you may contact Mr. Robert Nagao of our Harbor Division at 587-1880.

Enc.

c: Mr. Bill McCarter
Mr. Keith Yamamoto, Gasco, Inc.

1992-02-23-141- FEA- Kawaihae Pier Cargo Pipelines

FEB 23 1992

date: January 20, 1992

KAWAIHAE PIER CARGO PIPELINES

KAWAIHAE, HAWAII

APPLICANT: GASCO INC.
515 KAMAKEE STREET
HONOLULU, HAWAII

APPROVING AGENCY: DEPARTMENT OF TRANSPORTATION
HARBORS DIVISION

LOCATION: TAX MAP 6/01/03:23

DESCRIPTION OF THE PROPOSED ACTION:

The proposed project involves 1) installation of two (2) pipelines under pier and 2) installation of two (2) pipelines from the pier, underground across the container yard and terminating near a fence including valves, fittings and cathodic protection. Piping within State property will be in an easement secured from the State in accordance with the attached drawings.

The tax map key where the proposed action is to occur is 6/1/03, all a portion of Hawaii County, Hawaii.

The estimated cost of completed project is \$ 40,000 including installation of all new lines, valves, hangers, cathodic protection and related appurtenances.

GENERAL DESCRIPTION OF TECHNICAL, ECONOMIC, SOCIAL AND ENVIRONMENTAL CHARACTERISTICS:

TECHNICAL: The new pipelines are being installed at this time because of the preference of installing these lines before paving the container yard and also will be easier for the State to provide hatches, hangers, etc. under the pier during construction of new pier. The new lines will eventually be connected to the planned relocated storage facility in the Master Plan Designated Fuel Area.

The new replacement system will include new pipelines installed as proposed on the drawing. One (1), eight (8) inch and one (1), four (4) diameter lines are hung below the pier, from the hatch to the bulkhead. Lines are installed as near the slab as possible to keep above the water line at high tides and are coated with special epoxy coating for splash water corrosion protection. Sleeved openings through the bulkhead and beams shall be used for new piping. Valve hatches will be built for future valves and accessories. Pipelines will terminate in these hatches.

From the bulkhead, these lines will be installed underground at a nominal depth of three (3) feet. All buried piping will be coated with a extruded, high density, polyethylene and shall be cathodically protected.

Each pipeline will be hydrostatically tested at twice the working pressure prior to use.

The attached drawing "Right-Of-Way Plan", shows this proposed easement and alignment. The attached drawings, "Kawaihae Pier Cargo Pipelines", drawings T-1 through P-3, show the complete scope of the project.

The primary long range objective of this project is the extension of these lines to a GASCO Storage Facility at Kawaihae.

ECONOMIC CHARACTERISTICS: The economic characteristics of the proposed action are positive in that construction jobs will be made available, construction supplies, services and equipment will be purchased in Hawaii and State and County revenues will be generated.

New and larger size and number of lines will provide the community and area with a system designed to provide the fuel needs in accordance with the projected growth of the Island of Hawaii.

SOCIAL CHARACTERISTICS: The social characteristics of the proposed project are positive in that it will conform to the policies of the Special Management Area, protect coastal resources from potential oil spills and pipeline leakages and provide safe and efficient means for transporting and handling of various fuels.

EXISTING CONDITIONS AND PROPOSED ACTIONS: The environmental characteristics of the proposed project are positive in that the project is intended to install a pipeline transfer system using the latest proven materials of construction and protection systems. Construction activities will be performed in compliance with State and County environmental protection regulations and special precautions will be taken to ensure that no fuel is drained or spilled. Further the action is in accord with the State's long term environmental policies and goals; positively affects the economic and social welfare of the state; involves no secondary impacts on population or community facilities; is individually limited and does not cumulatively have an adverse effect on the environment or involve a commitment for larger actions; will not detrimentally affect air or water quality or ambient noise levels; or adversely affect environmentally sensitive areas.

PROBABLE IMPACTS AND MITIGATION MEASURES: Impacts to the project area environment could be caused by open welding of pipelines and equipment during fabrication; and the generation of construction dust, noise and wastes. Construction activities will utilize standard construction techniques and procedures. Pipeline welding will be accomplished by trained, experienced welders in compliance with applicable safety and environmental protection regulations. There are no hazards such as fire and fuel spills during construction. Construction area dust, noise and solid waste will be short-term and controlled through the implementation of existing established procedures. The proposed project will not affect any species of rare, threatened or endangered plants or wildlife and the proposed action will not affect any known archaeological or historical sites of significance.

To mitigate potential adverse environmental impacts, applicable environmental protection regulations will be included in the project specifications and contract terms and conditions. Solid waste generated during the construction period will be collected and disposed in accordance with State and County environmental protection regulations; no lines containing fuel will be a part of this project; procedures for fire control will be those established by the Harbors Division; dust and noise caused by construction will be limited to the project site and will be short

term; earthquakes, flooding and tsunamis will be considered in the design and proper design measures taken to protect the system.

SUMMARY OF MAJOR IMPACTS: As indicated above, the major potential adverse environmental impacts that could result from the proposed project are noise generated during construction and the potential for fire during welding operations. The major future potential positive environmental impact is the release from possible line failures resulting in oil contamination of surrounding soils, property and harbors water and including resulting fire hazards, stoppage of pier operations traffic resulting in delays and congestion.

ALTERNATIVES CONSIDERED: There is no alternative for the installation of pipelines. The alternative to installing no pipelines is to continue hauling fuel by truck from Hilo Harbor. Minor Alternatives will be considered for the line easement in accordance with comments and suggestions by the Harbors Division.

DETERMINATION: Based on the above, the type of activity planned, the relative short-term duration of the project and lack of adverse environmental impacts, it has been determined that the proposed action will not have a significant impact on the environment and is submitted as a Negative Declaration in accordance with Chapter 343-5 (c), Hawaii Revised Statutes.

Based on the evaluation of the present Pier Project and the Master Plan it is imperative that a new system be installed in conjunction with the States' construction plan and schedule.

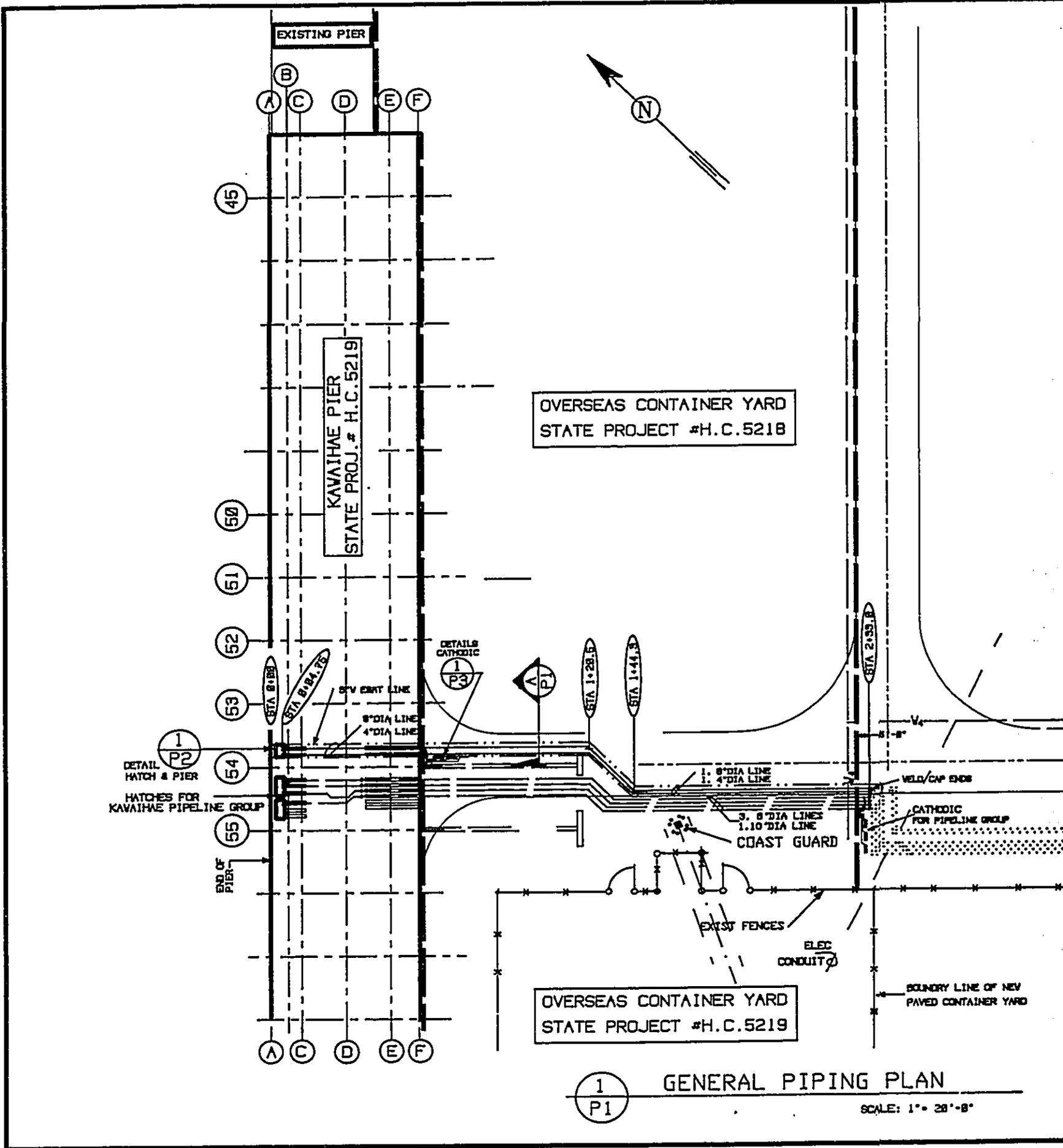
SUMMARY OF REASONS SUPPORTING ABOVE DETERMINATION:

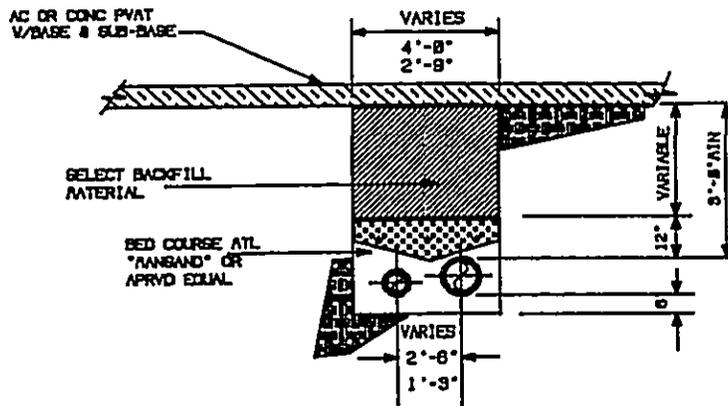
1. The proposed action does not involve an irrevocable commitment to loss or destruction of any natural or cultural resource.
2. The proposed action increases the range of beneficial uses of the environment.
3. The proposed action is in concert with the State's long-term environmental policies, goals and guidelines.
4. The proposed action does not substantially affect the economic or social welfare of the community or state.
5. The proposed action does not involve substantial secondary impacts, such as population changes or effects on public facilities.
6. The proposed action does not substantially affect public health.
7. The proposed action does not involve a substantial degradation of environmental quality.
8. The proposed action is individually limited and cumulatively, does not have a considerable effect upon the environment or involve a commitment of larger actions.
9. The proposed action does not substantially affect rare, threatened or endangered species or habitats.

10. The proposed action does not detrimentally affect air, water quality or ambient noise levels.

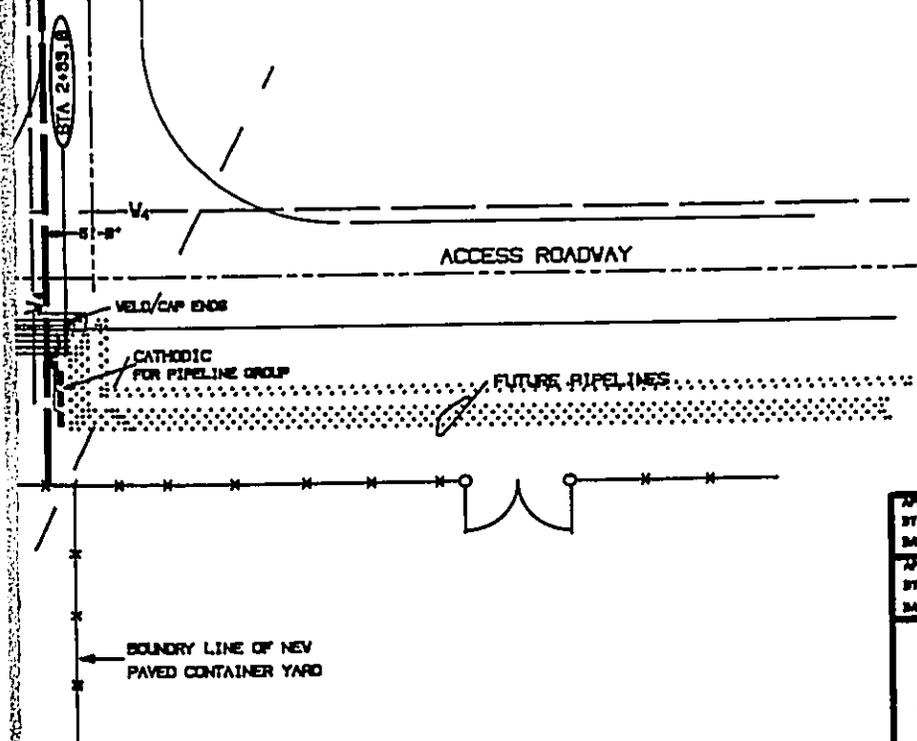
11. The proposed action does not affect an environmentally sensitive area such as flood plain, tsunami zone, erosion prone area, geologically hazardous land, estuary or coastal waters.

12. The proposed action is necessary because of the physical condition of the existing system it replaces and the resulting environmental consequences.



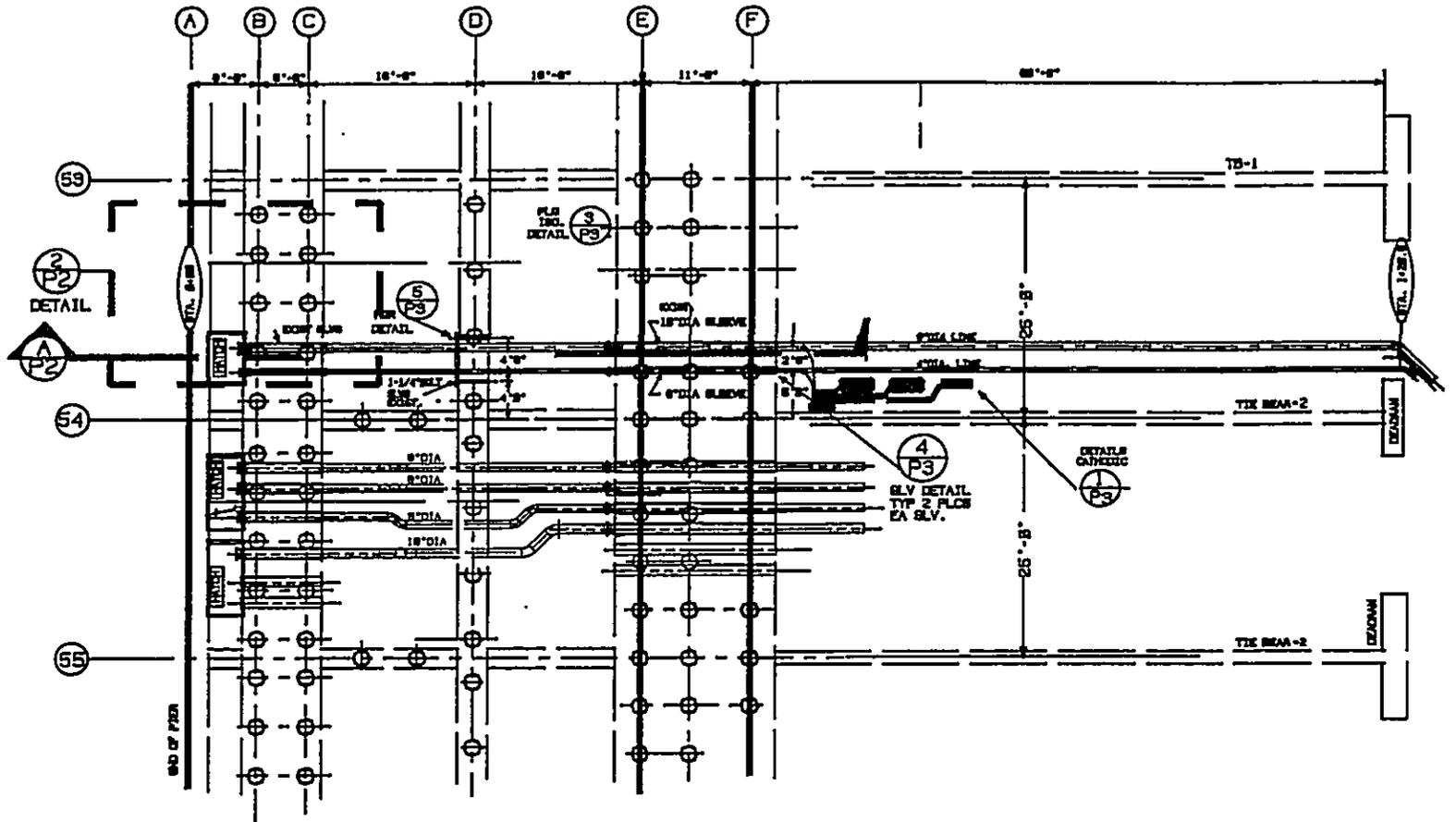


(A) TYP. TRENCH DETAIL
NO SCALE

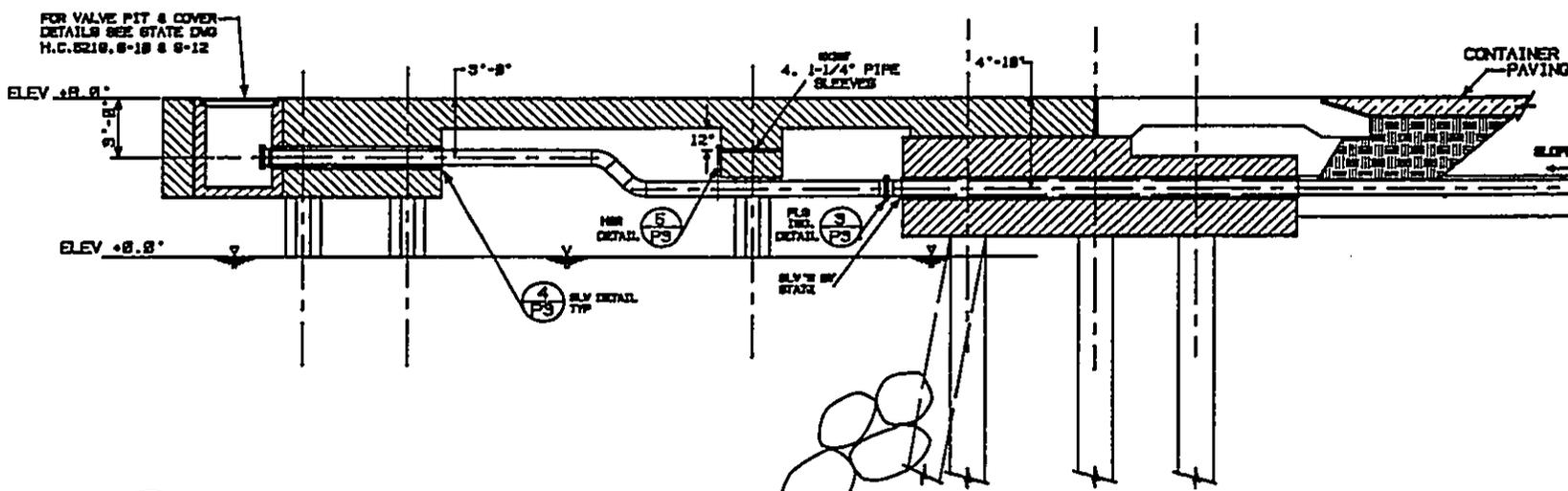


NG PLAN
SCALE: 1" = 28'-0"

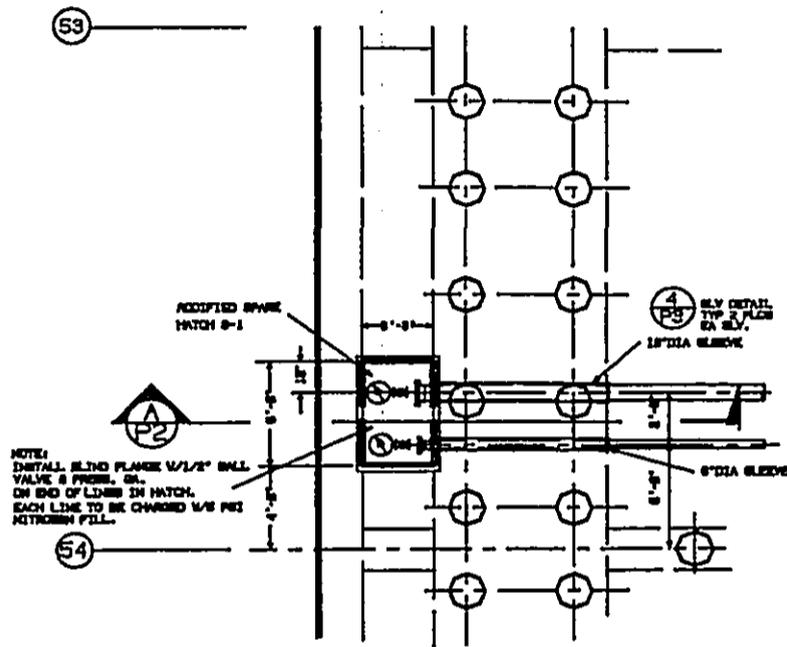
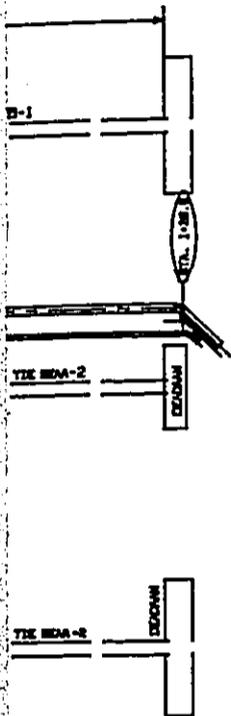
APPROVAL:			
BY:			
DATE:			
APPROVED FOR CONSTRUCTION:	1/18/02	CONSTRUCTION ISSUE	
BY:	1/18/02	FOR JARVIS DICK	
DATE:		REVISION	APP. 2
McCARTER, INC.			
P.O. BOX 10679, HONOLULU, HAWAII 96816 PH. 822 8748			
	DESIGNED BY:	PROJECT: KAWAIHAE PIER	
	DATE:	INSTALL TWO PIPELINES	
	DRAWN BY:	GENERAL PIPING PLAN	
	CHECKED BY:	FOR: GASCO, INC. 818 KAWAEE, HONOLULU	
	DATE:	PROJECT NO.	DRAWING NO.
	NO.:	REV. 1	P-1
	FILE:		
	GASCOPI.DWG		



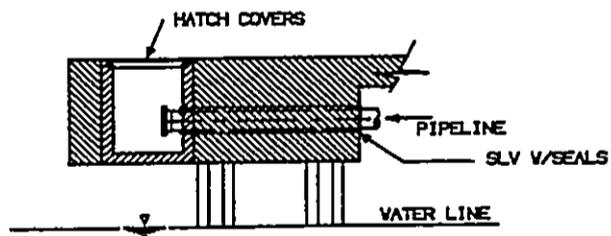
1 DETAIL. PIER PLAN
 P2 SCALE: 1/8" = 1'-0"



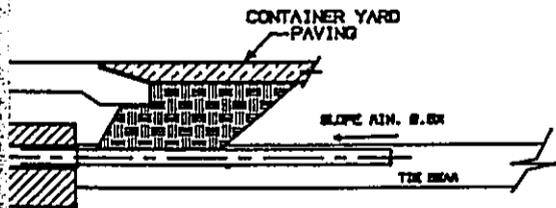
A TYPICAL SECTION
 P2 SCALE: 1/4" = 1'-0"



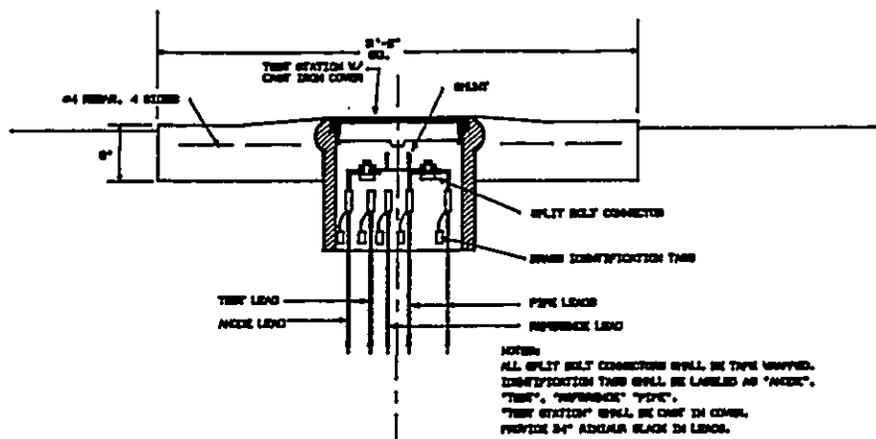
2 DETAIL. HATCH PLAN
P2 SCALE: 3/8" = 1'-0"



B TYPICAL SECTION
P2 SCALE: 1/4" = 1'-0"

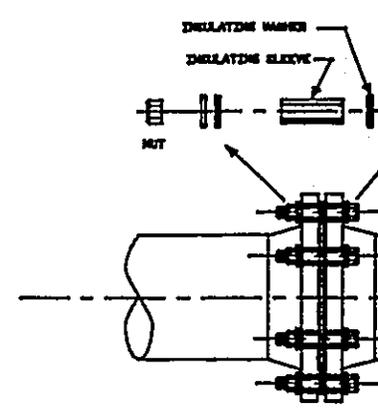


APPROVALS:				
BY:				
DATE:				
APPROVED FOR CONSTRUCTION:				
BY:		PL/ISSUE BY	CONSTRUCTION SHEET	
DATE:		DATE	SYMBOL	DESCRIPTION
		McCARTER, INC. P.O. BOX 10279, HONOLULU, HAWAII 96816 PH. 822-6748		
		PREPARED BY: M. McCarter DATE: 10/15/1999	PROJECT: KAWAIHAE PIER CARGO PIPELINES	
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.		DRAWN BY: DATE: CHECKED: NOTED: FILE: CHECKED BY:	PIER PIPING PLAN & SECTIONS FOR: GASCO, INC. 4111 KAWAII ST., HONOLULU	
		PROJECT NO.	DWT. 3	DRAWING NO. P-2
			OF 4	

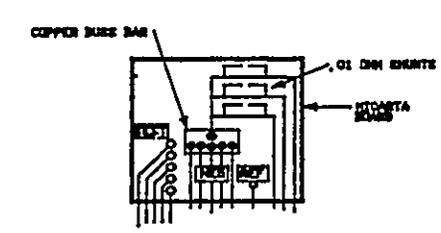


8 C.P. TEST STATION
NO SCALE

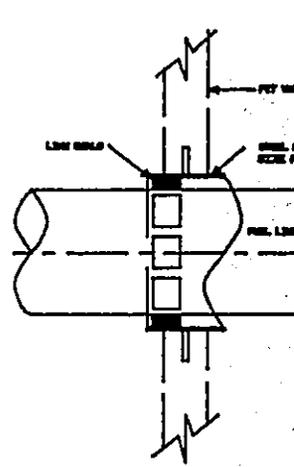
NOTE:
ALL WELT BOLT CONNECTORS SHALL BE TYPE UNWELDED.
IDENTIFICATION TAGS SHALL BE LABELED AS "ANODE",
"TEST", "REFERENCE" "PIPE".
"TEST STATION" SHALL BE ONE IN CORNER,
PROVIDE 34" ANGLE IN LEADS.



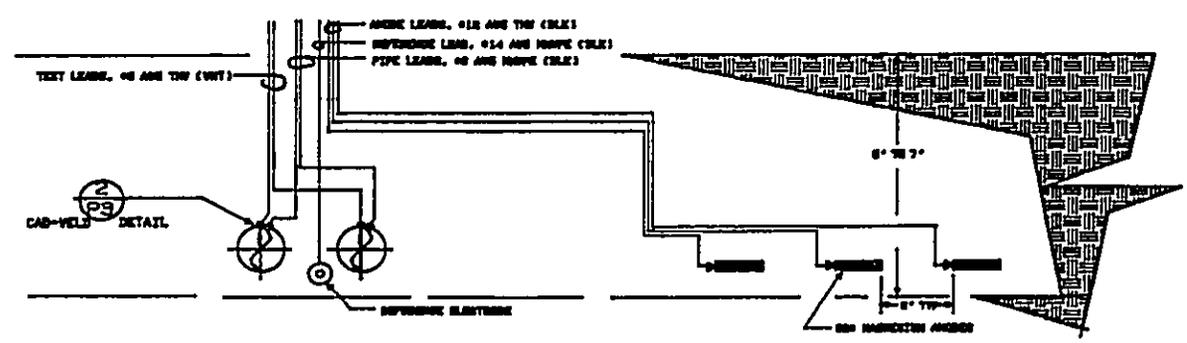
3 INSULATING FLANGE
P3



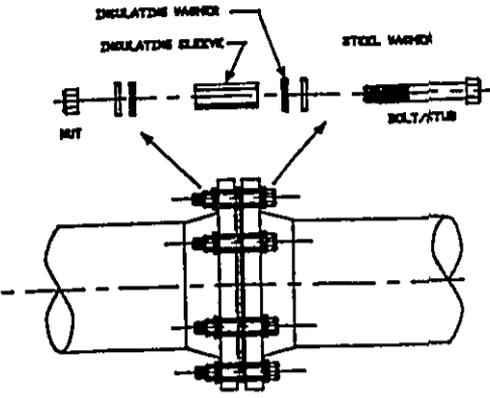
A ANODE TERMINAL BOX
P3 NO SCALE



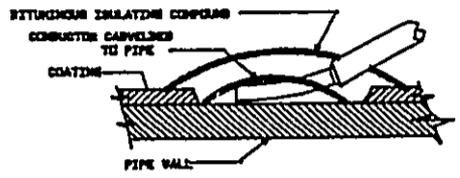
4 DETAIL, PIPE CONNECTION
P3



1 SCHEMATIC, TEST STATION/ ANODE BED DIAGRAM
P3 NO SCALE

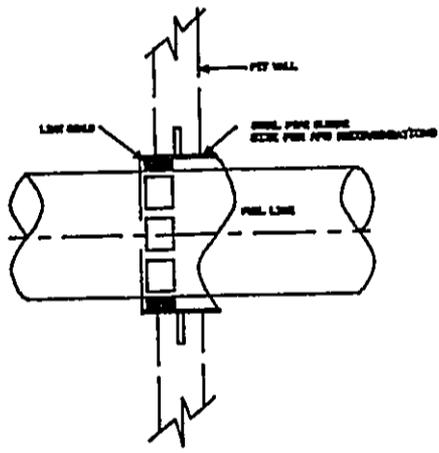


3 INSULATING FLANGE DETAIL
NO SCALE



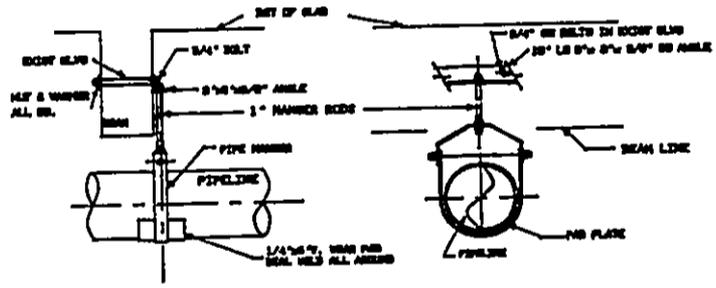
- NOTE:
1. METAL COMPARE TO BE 304 & FREE OF PHOSPHOR IMPURITIES
 2. ANODES MAY BE WELDED TO TARGET ANODE
 3. ANODES & COPING SHALL BE MADE 1/4" INSULATOR
 4. USE 1/4" WAP PIPE FOR INSULATORS
 5. LEAVE 1/4" PIPE BENT OVER

2 CABLE CONNECTION TO PIPE
NO SCALE



4 DETAIL, PIPE SLEEVE
NO SCALE

- PIPE HANGER NOTES:
1. ALL RODS, ANCHORS, BOLTS, ETC. SHALL BE STAINLESS STEEL.
 2. ALTERNATE ANCHORS: BUSHED HANGER RODS IN ANCHORS SET IN SLAB. SELECT 3/4" x 1/2" ANGLE



SIDE VIEW END VIEW
5 DETAIL, PIPE HANGER
NO SCALE

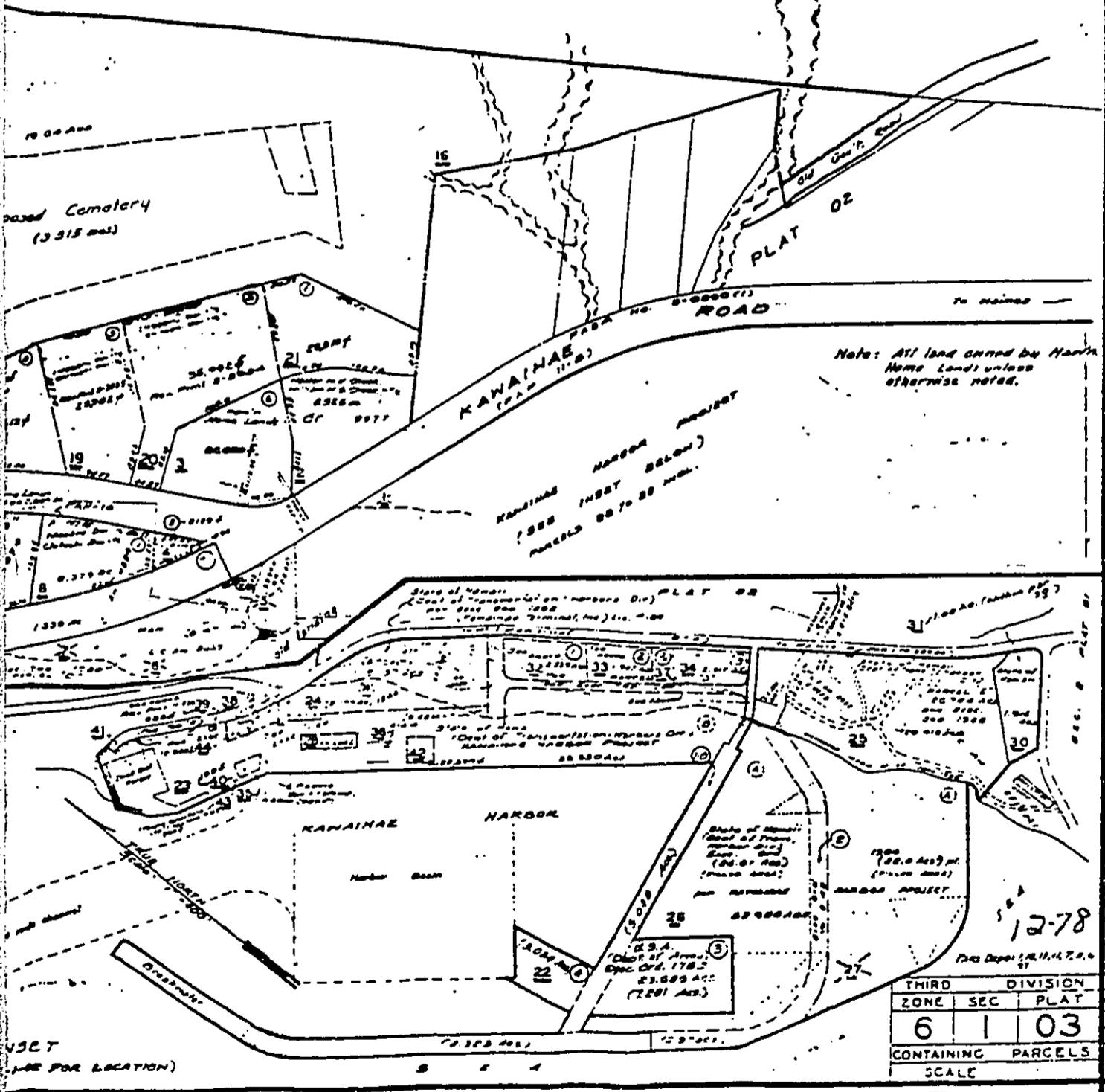
STYLE I



APPROVALS:				
BY:				
DATE:				
APPROVED FOR CONCT:				
BY:		CONSTRUCTION TIME		
DATE:		DATE	SYMBOL	DESCRIPTION
		McCARTERS, INC. P.O. BOX 10879, HONOLULU, HAWAII 96816 PH. 808 894-		
		PROJECT: KAWAIHAE PIER CARGO PIPELINES CATHODIC ANODE SYSTEMS AND DETAILS		
THIS DRAWING WAS PREPARED BY ME AND UNDER MY SUPERVISION AND AUTHORITY. I AM A REGISTERED PROFESSIONAL ENGINEER. I WILL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.		DRAWN BY: DATE: CHECKED BY: DATE: SCALE: TITLE:	FOR: GASCO INC. 215 KAWAII ST., HONOLULU PROJECT NO.	SHEET: 3 OF: 4 DRAWING NO: P-3

01

- 32 (Standard Oil Co. of Calif.) 10. - H.L. No. 11-87-11
- 33 (Young Brothers, Ltd.) 10. - H.L. No. 11-87-12
- 34 (Kaiser, Edward G. System Corp.) 10. - H.L. No. 11-87-13
- 35 (Kaiser, Edward G. System Corp.) 10. - H.L. No. 11-87-14
- 36 (Kaiser, Edward G. System Corp.) 10. - H.L. No. 11-87-15
- 37 (Kaiser, Edward G. System Corp.) 10. - H.L. No. 11-87-16
- 38 (Kaiser, Edward G. System Corp.) 10. - H.L. No. 11-87-17



Note: All land owned by Hawaiian Home Lands unless otherwise noted.

12-78

THIRD		DIVISION	
ZONE	SEC	PLAT	
6	1	03	
CONTAINING PARCELS			
SCALE			
PRINTER			

USE FOR LOCATION)