AD-A166 192 UNDERWATER FACILITIES INSPECTIONS AND ASSESSMENTS AT NAVAL AIR STATION NO. (U) NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON DC CHESAPEAKE.. SEP 80 1/1

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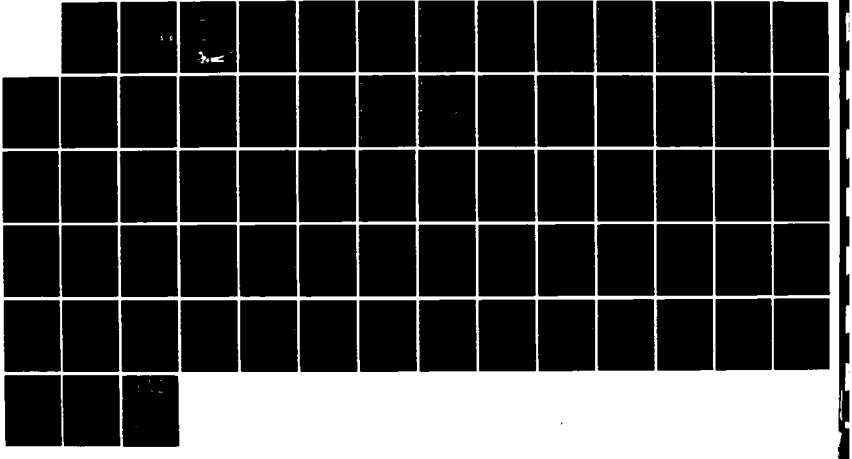

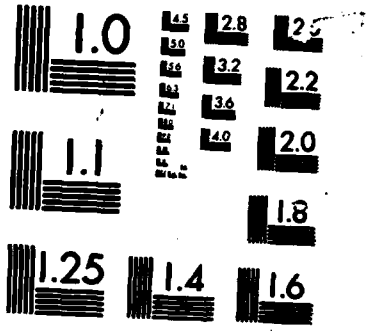

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AD-A166 192

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UNDERWATER FACILITIES INSPECTIONS & ASSESSMENTS
NAVAL AIR STATION, NORTH ISLAND
NAVAL SUPPLY CENTER, SAN DIEGO, CA
FPO-1-81 (3)

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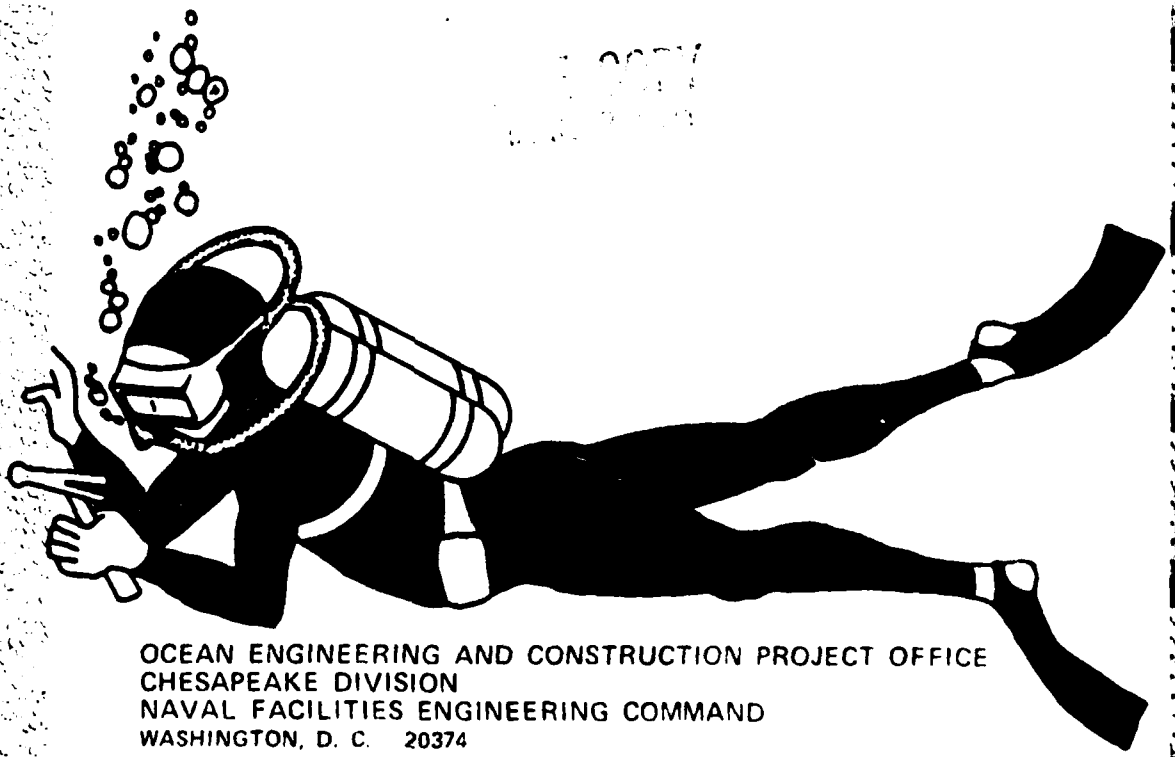
UNDERWATER FACILITIES INSPECTIONS & ASSESSMENTS

NAVAL AIR STATION
NORTH ISLAND
NAVAL SUPPLY CENTER
SAN DIEGO, CA

FPO-1-81(3) SEPT 1980



OCEAN ENGINEERING AND CONSTRUCTION PROJECT OFFICE
CHESAPEAKE DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, D. C. 20374

UNDERWATER FACILITIES INSPECTIONS AND ASSESSMENTS AT

NAVAL AIR STATION

NORTH ISLAND

NAVAL SUPPLY CENTER

SAN DIEGO, CA

FPO-1-81(3) **SEPT 1980**

PERFORMED FOR:

OCEAN ENGINEERING AND CONSTRUCTION PROJECT OFFICE
CHESAPEAKE DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
WASHINGTON, D.C. 20374

INSPECTION PERFORMED AND REPORT PREPARED BY:

UNDERWATER CONSTRUCTION TEAM TWO
PORT HUENEME, CA

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Jacqueline B. Riley

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INSPECTION SUMMARY FOR QUAY WALL AND J-K PIER NAS NORTH ISLAND

A. Lima Quay Wall Inspection Summary:

The quay wall is constructed of concrete sheet piles, and consists of 3400 lineal feet in addition to the east end. The inspection was referenced to NAVFAC drawing #1343552. The quay wall is in good condition.

Heavy marine growth approximately three inches thick was evident from the mud line to the low water mark throughout the length of the wall. (Marine growth consisted primarily of barnacles, mussels and scallops.) Fill material was washing out behind the wall in several noted locations.

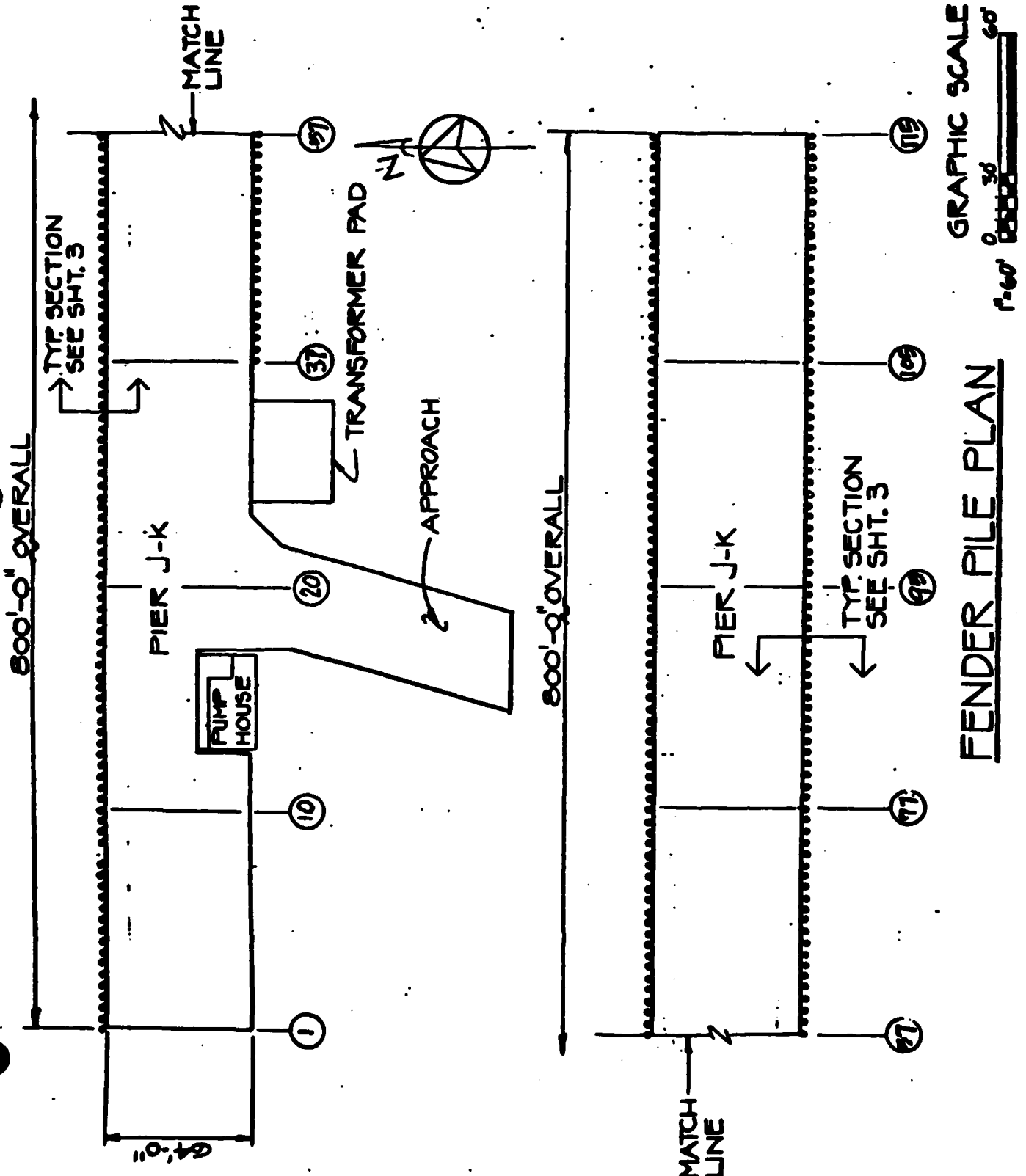
B. J-K Pier:

Half of the piles on J-K pier were spot inspected (at least four places on each) for a total of 300 piles. Spot inspection was required due to heavy marine growth on the piles. Of the 300 piles inspected 168 have sustained minor to moderate damage. The pier is still considered serviceable but requires major work soon to remain serviceable.

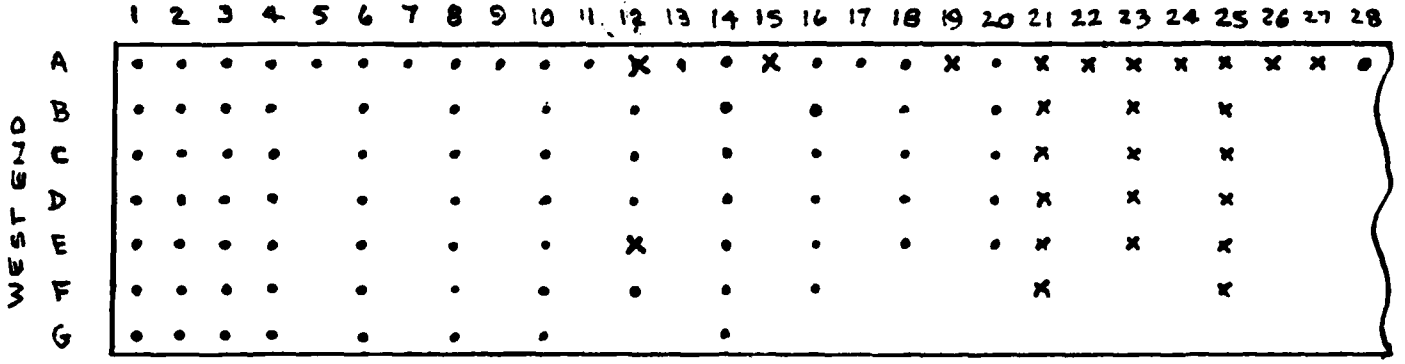
The minor damage consisted of small cracks and the moderate damage from cracks 1/2 to 3/4 inch deep and up to 20 feet long. Upon cleaning the piles bankia and toredos were often present. Age and marine growth have caused spalling and generally softened the concrete. A more thorough inspection would require extensive cleaning.

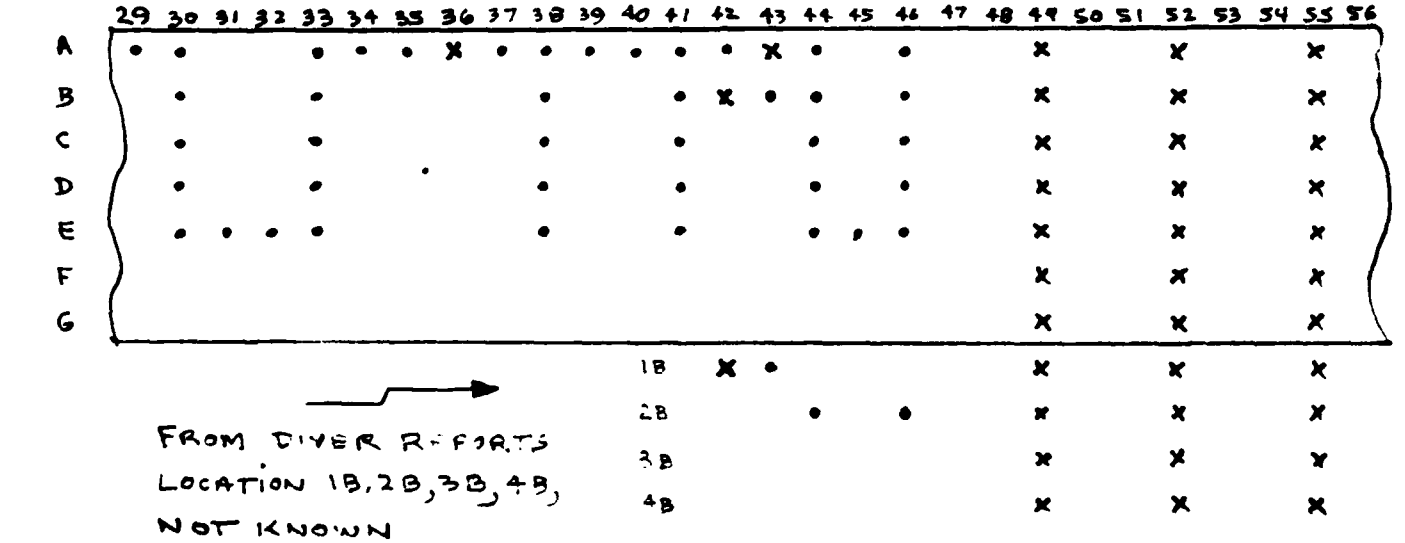
Under the pier, above the waterling were several areas with exposed rebar. Improper preparation of the area to be repaired is a probable cause of the extensive spalling of these gunite repairs. NAVFAC drawing numbers 6003915 and 6003918 germane. Photos showing some of the damage are attached as enclosure (3).

DEPT OF THE NAVY NAV FAC ENG COM PUBLIC WORKS CENTER SAN DIEGO CALIFORNIA	NAVAL AIR STATION, NO. ISLAND, S.D. REPAIR FENDER SYSTEM PIER J-K KEY PLAN		PWC SKETCH NO.
PREPARED BY: TRAVIS, VERDUGO & ASSOC	EIC	BR. HD.	DIV. DIR.
DATE 15 APRIL 1980	J.B. BRUCE	J.B. BRUCE	G. ALLISON

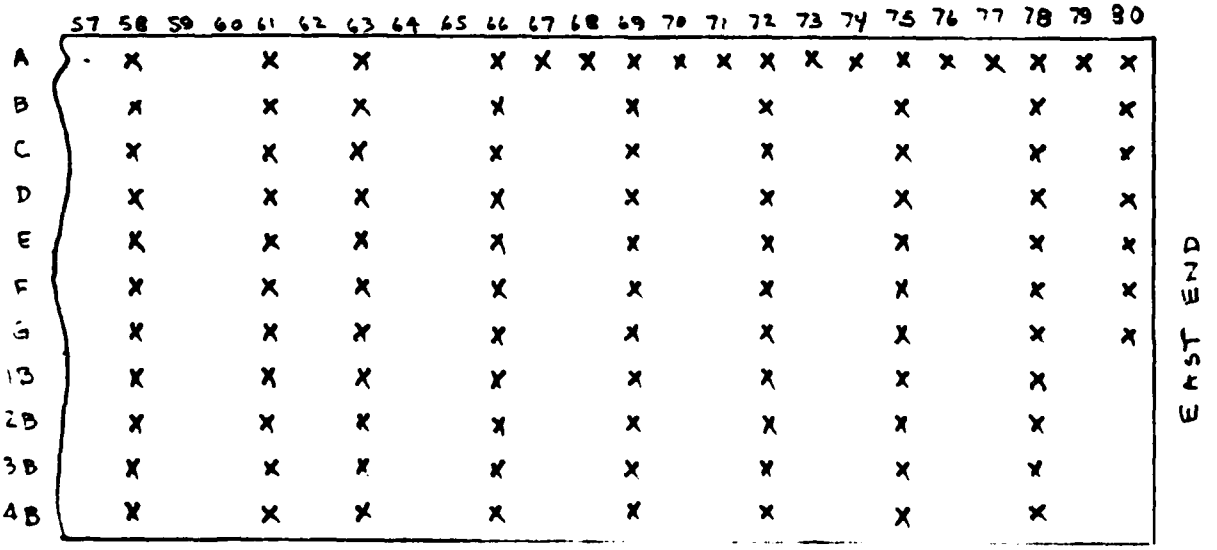


PIER J-K, NAS NORTH ISLAND





FROM DIVER REPORTS
LOCATION 1B, 2B, 3B, 4B,
NOT KNOWN

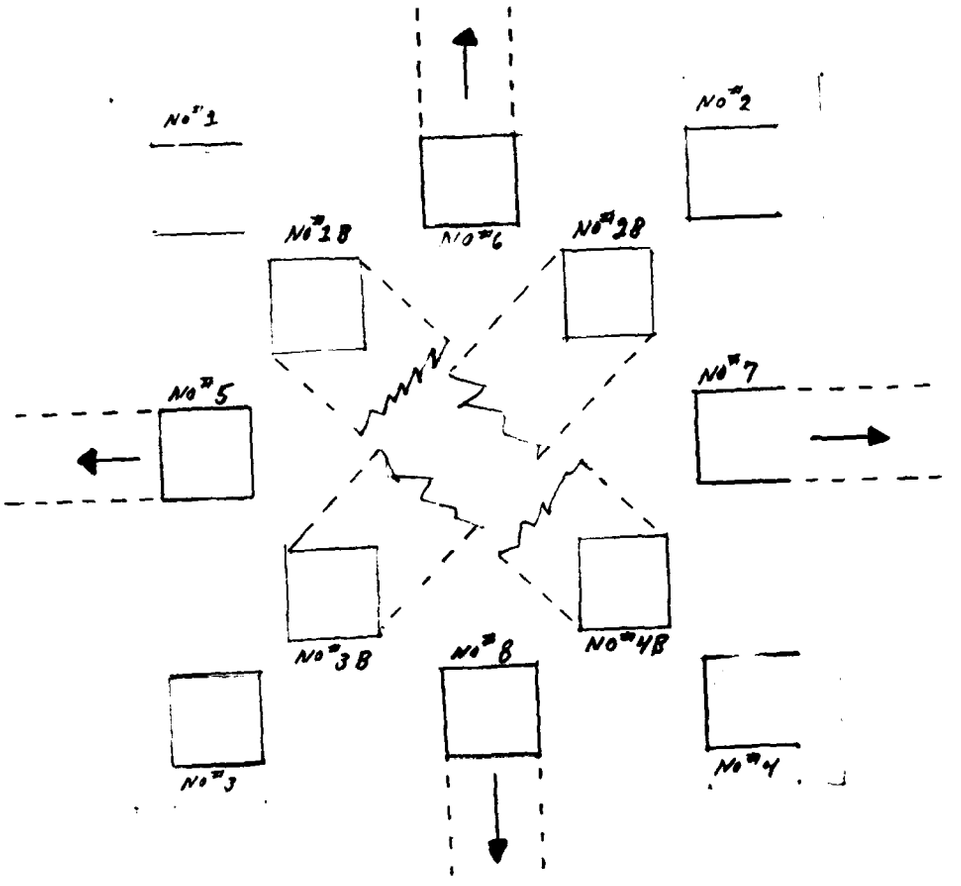


SKETCH - NOT TO SCALE - FROM DIVER REPORTS

• = PILE INSPECTED - NO DAMAGE

X = DAMAGE NOTED

North End of J & K Pier



J & K

PIER

NORTH

Nos 1, 2, 3, 4, 6 are Bearing Pile

Nos 2B, 2B, 3B, 4B are Battens to the inside

Nos 5, 6, 7, 8 are Battens to the outside

Pier J-K

ACTIVITY NAS No. Island
LOCATION San Diego
STRUCTURE NO. 1310
NAME Pier J-K
CATEGORY CODE 15120
PROP. RECORD NO. 2-01368
ACQSTN COST 2,102,343

YR BUILT 1945
LENGTH 800 FT
WIDTH 64 FT
ELEVATION +10.0' MLLW
MAP GRID 1D
REPLACEMENT COST 14,552,000
DRAWING NO.

PIER CHARACTERISTIC

ALLOW. DREDGE DEPTH -30' MLLW
K side of Pier 500' max length w/25' draft.
TYPE OF SHIPS TO BE MOORED I side of Pier Carriers CVA
ALLOW. VERTICAL LOADS 15 TON CRANE AT SPECIFIC POINTS OF LOADING.
ALLOW. HORIZONTAL LOADS
TYPE OF PIER
CONCRETE (TYPE) CONST. W/ 28 (No.), CONC. (TYPE) BEARING & BATTER P
BENTS 10 FT O.C.
TYPE OF FENDER SYSTEM
14 "DIA. TIMBER PILE 5 FT. O.C. WITH 10"X12"
TIMBER (No.) (TYPE) WALE, 6 "X 12 " CHOCKS. "DIA RUBBER
WITH 10"x12" TIMBER FENDERS. CHOCKS ARE SEPARATED FROM WALES WITH 4x12 BLOCKS 1'-0" LONG 2 PIECES PER CHOCK AND WALES ARE SEPARATED FROM FENDERS WITH 4x12 BLOCKS 1'-0" LONG. 2 PIECES PER 10'-0" LENGTH (BETWEEN EA BENT ALIGNING WITH ROUND TIMBER FENDER PILE. HORIZONTAL FRAMING IS TYPICAL OF TOP FRAMING AT ELEV +10'-0" AND OF BOT FRAMING AT ELEV +5'-0".

DEPT OF THE NAVY NAV FAC ENG COM
PUBLIC WORKS CENTER
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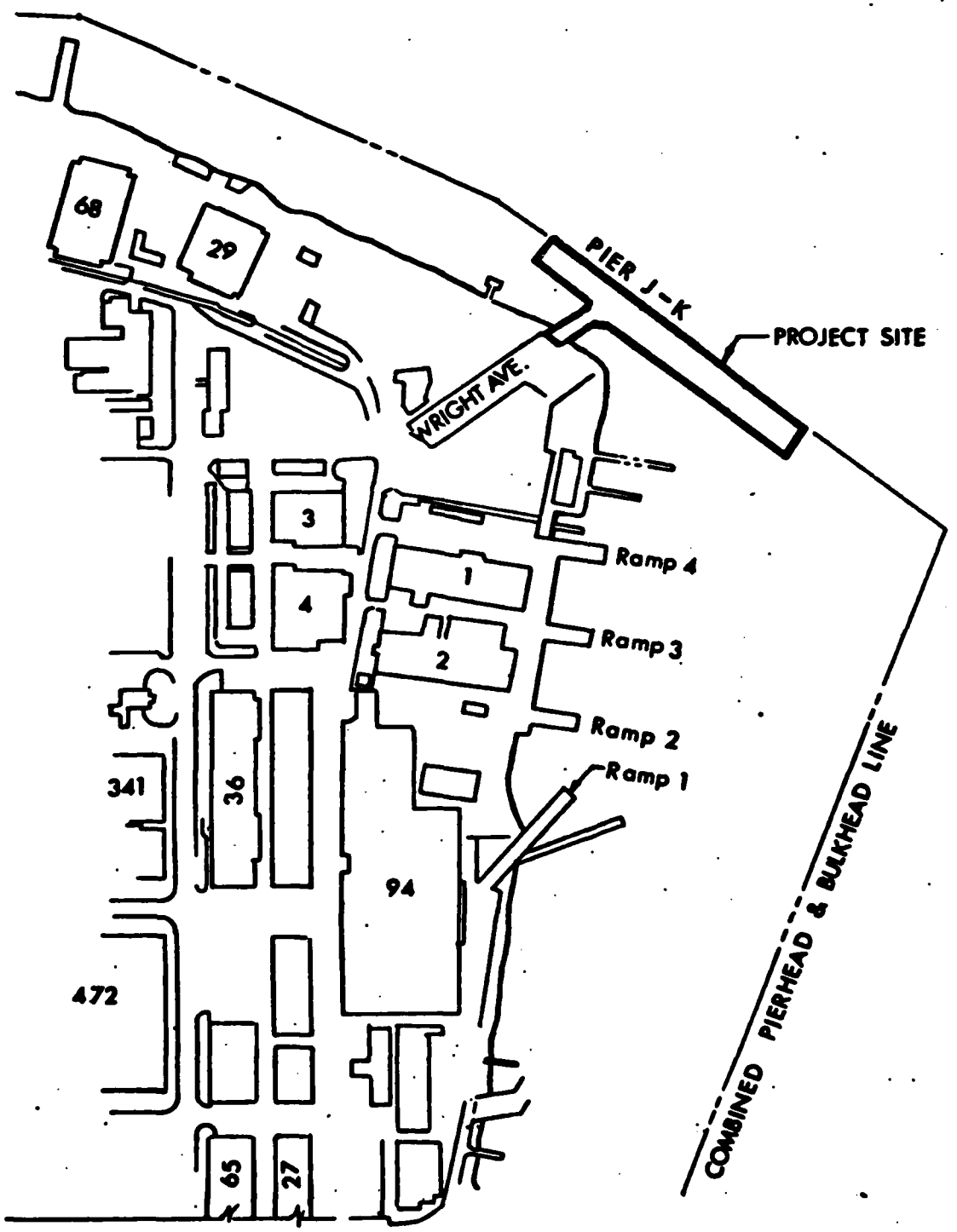
NAVAL AIR STATION, NORTH ISLAND, S.D.
REPAIR FENDER SYSTEM PIER J-K
SITE PLAN

PREPARED BY: TRAVIS, VERDUGO & ASSOC	IC	BR. HD.	DIV. DIR.
DATE 15 APRIL 1980	J.B. BRUCE	J.B. BRUCE	G. ALLISON



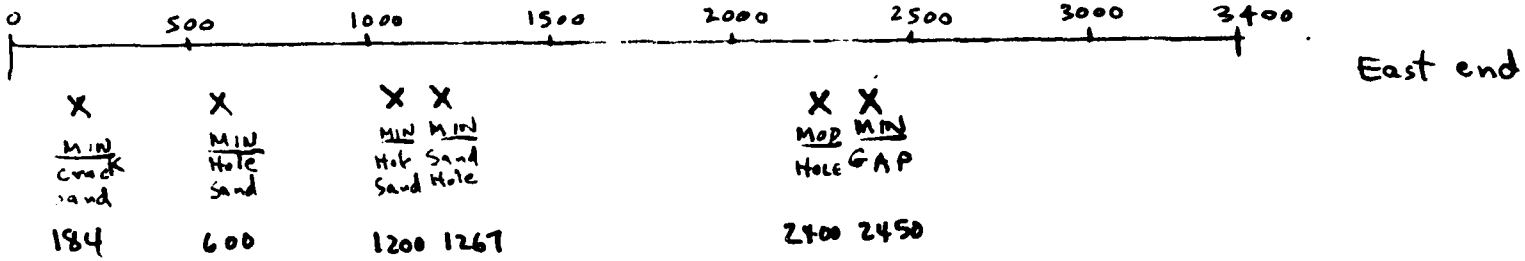
SITE PLAN

Armstrong & Johnson.
16 Sept 1980
1400

San Diego

LIMA QUAY WALL - NAS North Island.

CONCRETE SHEET PILES 3400 lineal feet. NAVFAC Drawing 1343552



DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

UCT2:PMP:vm
5000
02 December 1980

From: Officer in Charge, Underwater Construction Team TWO
To: Distribution

Subj: Pier and Quay Wall Inspection

Ref: (a) UCT TWO OpOrd 6-80 of 27 AUG 80

Encl: (1) Inspection Summary and Inspection Data Sheets for Lima Quay Wall and J-K Pier, NAS North Island
(2) Inspection Summary and Inspection Data Sheets for Pt Loma POL Pier and Quay Wall
(3) Slides of noted damage on J-K Pier NAS North Island

1. From 15 September 80 through 27 September 80, UCT TWO Det San Diego conducted pier and quay wall inspections at North Island and the Supply Center.

2. Enclosure (1) through (3) are forwarded as the final report in accordance with reference (a).

T. H. CHRISTENSEN

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COM31STNCR (w/o encls)

INTRODUCTION

The underwater inspections reported herein were performed by Underwater Construction Team Two (UCT-2) at the request of and with funding from the Underwater Inspection Program managed by Naval Facilities Engineering Command, Chesapeake Division, Code FPO-1. This program is part of the Specialized Inspection Program initiated in FY 80 and directed by the Naval Facilities Engineering Command, (NAVFACENGCOM), Code 100 office. This centrally funded program establishes within NAVFACENGCOM the capability for coordinating all Navy efforts to inspect and assess the underwater condition of the Navy's major waterfront facilities.

The UCT-2 inspections were planned by FPO-1 as part of the Underwater Inspection Program. However, FPO-1 manpower limitations prevented the desired monitoring and integration of these inspections into the program, thus the inspection data was not recorded and reported in the manner established for the program. The underwater inspection report included herein is as received from UCT-2 with the following items added by FPO-1 from other sources:

- Cover sheet
- Introduction
- Sketch of Lima quay wall
- Sketch of J-K pier site
- J-K Pier Data Sheet
- Sketch of Crane Platform J-K
- Sketch of piles inspected at J-K
- Sketch of J-K pier
- Location map, fuel pier
- Sketch of fuel pier
- Sketch of piles inspected

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. J.F. PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1220 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
3	A		X								27'				4" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
3	B		X								27'				" " "
3	C		X								27'				" " "
3	E		X								24'				" " "
3	E		X								27'				" " "
3	F		X								27'				" " "
3	G		X								27'				" " "
4	A		X								25'				" " "
4	B		X								25'				" " "
4	C		X								20'				" " "
4	D		X								20'				" " "
4	E		X								20'				" " "
4	F		X								20'				" " "
4	G		X								20'				4" MARINE GROWTH IE. (MUSSELS, BARNICLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JK PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1150 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
1	A		X								25'				4" MARINE GROWTH IE. (MUSSILS, BARNACLES & SCALLOPS.)
1	B		X								25'				" " "
1	C		X								25'				" " "
1	D		X								25'				" " "
1	L		X								23'				" " "
1	F		X								20'				" "" "
1	G		X								18'				" " "
2	A		X								27'				" " "
2	B		X								27'				" " "
2	C		X								27'				" " "
2	D		X								27'				" " "
2	L		X								27'				" " "
2	F		X								27'				" " "
2	G		X								27'				4" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

ENCL (1)
Attachment - 21

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND, CA. DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DEPP

PIER NAME/NO. LISTING DERRICK FLATTOP/ J K PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1130 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
	1		X								25'				4" MARINE GROWTH IT. (MUSSELS, BARNACLES, SCALLOPS.)
	1E		X								25'				" " "
	6		X								25'				" " "
	2		X								25'				" " "
	21		X								25'				" " "
	4		X								25'				" " "
	4E		X								25'				" " "
	7		X								25'				" " "
	5		X								25'				" " "
	3		X								25'				" " "
	3E		X								25'				" " "
	5		X								25'				4" MARINE GROWTH IT. (MUSSELS, BARNACLES, SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

Attachment (1)

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: SAN DIEGO CA DATE: 16 SEPT. 80 DIVERS: ARMSTRONG & JOHNSON

PIER NAME/NO. LIMA (QUAYWALL) PILE TYPE: [ ] BEARING [ ] FENDER [X] SHEET

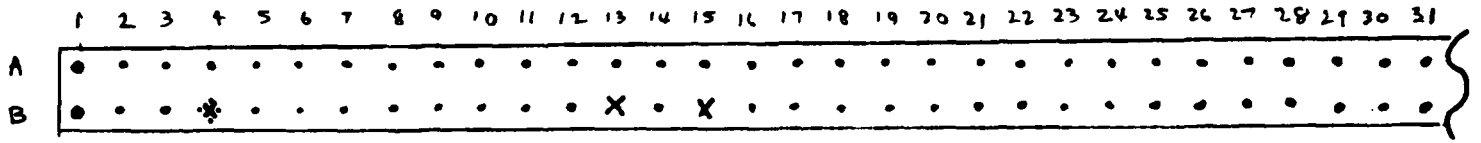
PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1400 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
3400'			X												3" MARINE GROWTH. EAST END OF QUAYWALL.
2456'				X						X	35'	35'	16"	6"	CAP BETWEEN PILES. 16" WIDE ON THE BOTTON TAPERING TO 4" ON THE SURFACE.
2400'					X					X	30'	5'	4"	6"	HOLE WITH SAND COMING OUT 2' MOUND OF SAND ON THE BOTTON.
1267'				X						X	35'		2½"	5"	SAND FILTERING OUT OF CRACK
1200'				X							35'				SAND FILTERING OUT ALONG THE BOTTOM
600'				X							35'				CONTINUES SIGNS OF SAND LEAKING ALONG THE BOTTOM
164'				X							35'	15'	4"	12"	CRACK STARTING AT THE BOTTOM RISING TO A DEPTH OF 20'. A SMALL AMOUNT OF SAND LEAKING.
0'			X												END OF INSPECTION

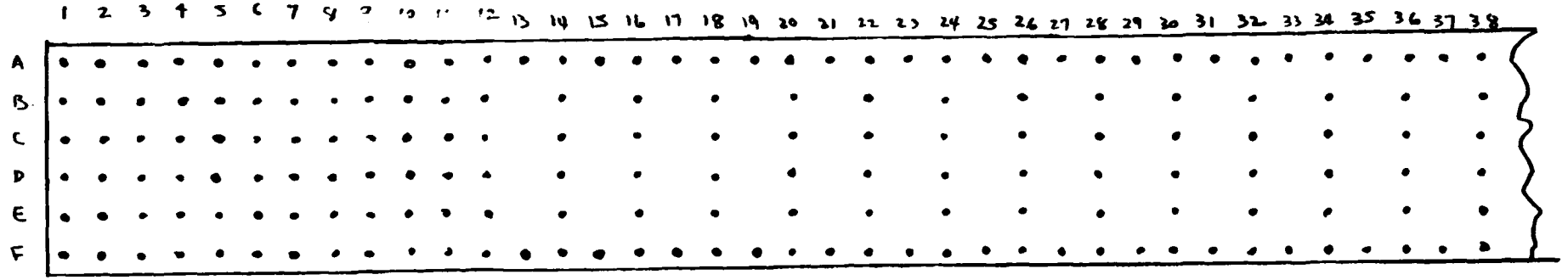
NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

PT LOMA FUEL PIER



19 Sept 1980 NORTH LEG OLD Section

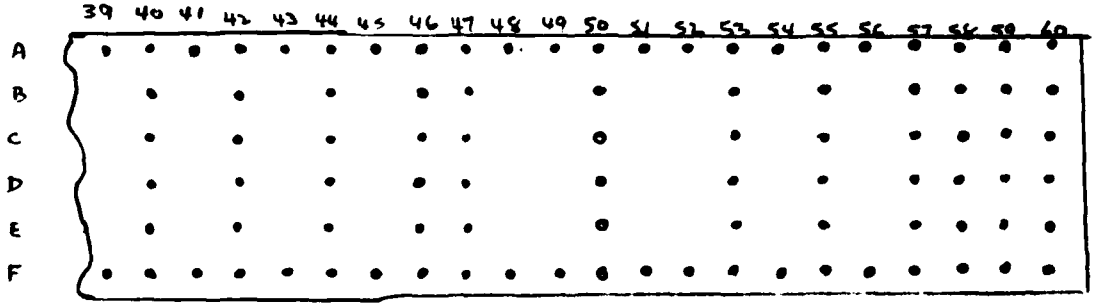
DIVER LOGS INDICATE ALL 62 PILES INSPECTED



SOUTH LEG NEW SECTION

19 Sept

Concrete pile



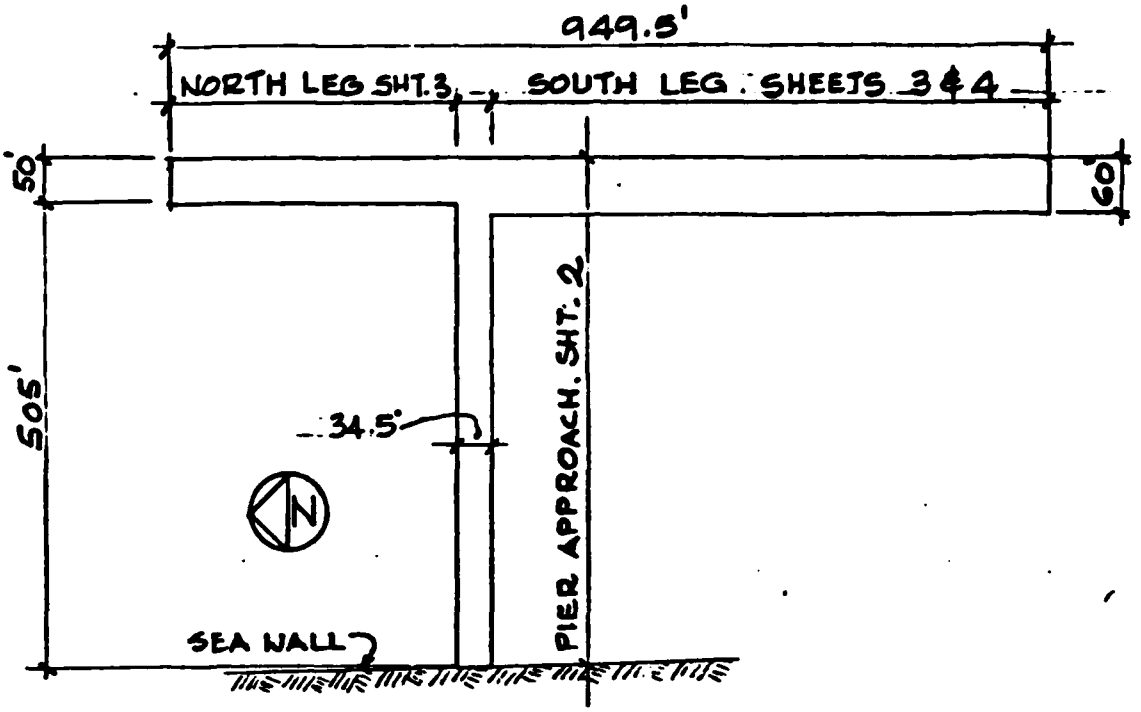
DIVER LOGS INDICATE 268 of 360 PILES INSPECTED

NOT TO SCALE

DOTS INDICATE PILES INSPECTED

* and X INDICATE DAMAGE NOTED

DEPT OF THE NAVY NAV FAC ENG COM PUBLIC WORKS CENTER SAN DIEGO CALIFORNIA	NSC, FT. LOMA ANNEX SAN DIEGO, CALIF. RECOAT FUEL LINES (M1-79) PIER PLAN AND LEGEND		
Prepared by: FERVER ENG. CO. Date:	EIC J.B. BRUCE	BR. HD. J.B. BRUCE	DIV. DIR. G. ALLISON



PIER PLAN

SCALE: 1" = 200'

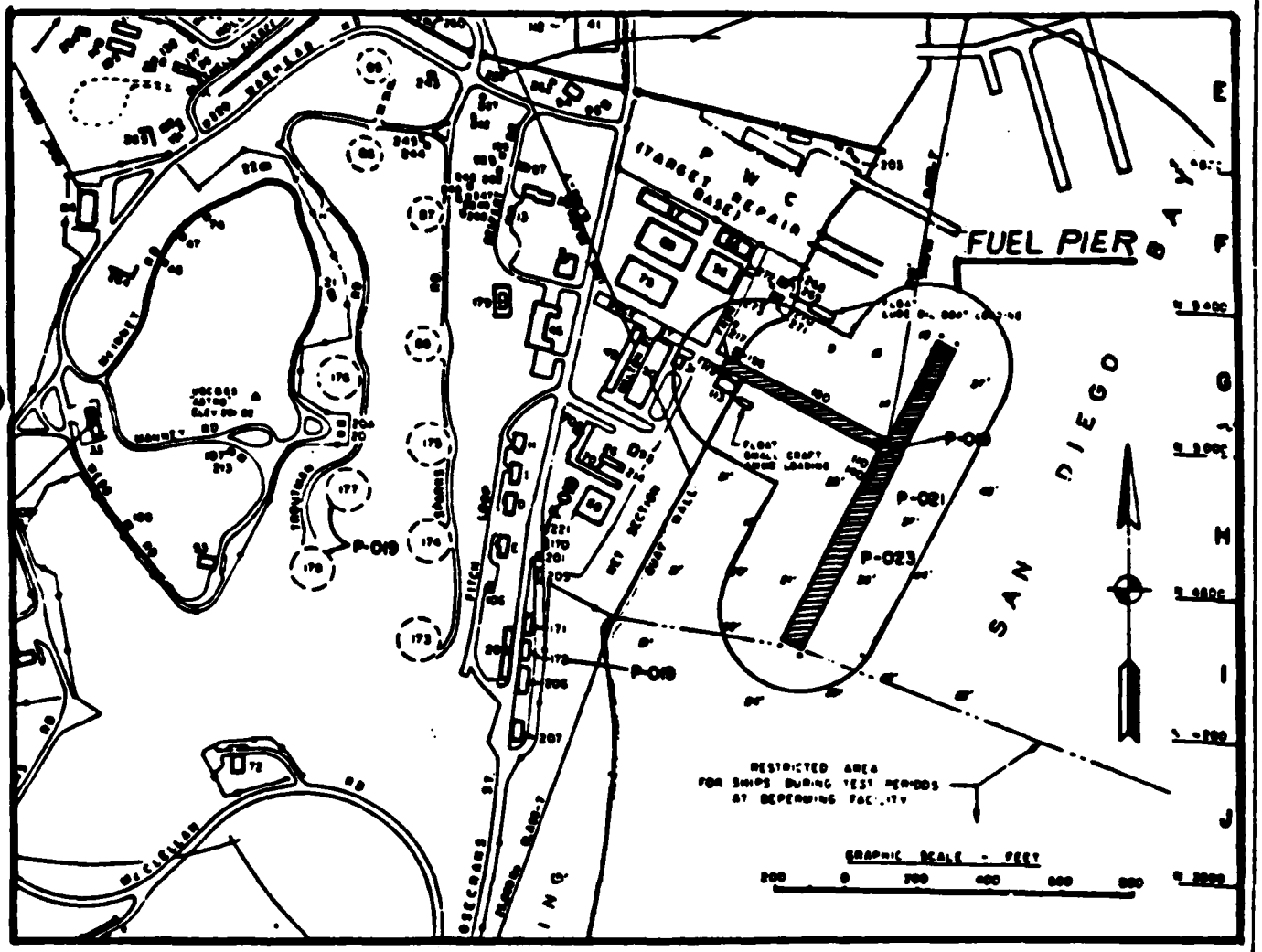
LEGEND (SEE SHEETS 2, 3, 4)

—D—	DIESEL FUEL PIPE
—J—	JET FUEL PIPE
—AG—	AVIATION GAS PIPE
—MG—	MOTOR GAS PIPE
—N.S.—	NAVY SPECIAL (BLACK OIL) PIPE

NOTE A NUMBER PRECEEDING A PIPE LETTER (SHEETS 2, 3, & 4) DENOTES THE NOMINAL DIAMETER OF THAT PIPE.

EXAMPLE: —16J— 16 ϕ JET FUEL PIPE.

DEPT OF THE NAVY NAV FAC ENG COM PUBLIC WORKS CENTER SAN DIEGO, CALIFORNIA	NSC, PT. LOMA ANNEX SAN DIEGO, CA RECOAT FUEL LINES (M1-79) LOCATION MAP		
PREPARED BY FERVER ENGR. CO. DATE	EIC J.B. BRUCE	DR HD J.B. BRUCE	DIV DIR G. ALLISON



LOCATION MAP

INSPECTION SUMMARY OF PT LOMA POL PIER AND QUAY WALL

A. Quay Wall:

The six hundered foot quay wall was inspected and approximately three inches of marine growth was noted throughout. The wall appears to be in excellent condition except for three areas near building 113. These areas require repair in the near future to halt the washout which is causing the macadam to sink along the wall.

B. POL Pier:

Pier 180, for convenience, is referenced to as either the "old" or "new" sections. The older section consists of 57 cylindrical concrete piles. Piles numbers 4B, 12B, 13B, and 15A all have lost structural integrity, and each has been replaced with four wood supporting piles. On the new section, 291 piles were inspected, with no significant damage noted. Marine growth of two to six inches was in evidence on the majority of the piles.

Enclosure (2)

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JK PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1235 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
5	A		X								25'				4" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
6	A		X								20'				" " "
6	B		X								20'				" " "
6	C		X								20'				" " "
6	D		X								20'				" " "
6	E		X								20'				" " "
6	F		X								20'				" " "
6	G		X								20'				" " "
7	A		X								15'				" " "
8	A		X								21'				" " "
8	B		X								20'				" " "
8	C		X								21'				" " "
8	D		X								21'				" " "
8	E		X								20'				4" MARINE GROWTH IE. (MUSSELS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUPIN

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1250 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
8	F		X								21'				4" MARINE GROWTH IE. (MUSSELS, BARNICLES & SCALLOPS.)
8	G		X								20'				" " "
9	A		X								21'				" " "
10	A		X								20'				" " "
10	B		X								21'				" " "
10	C		X								20'				" " "
10	D		X								21'				" " "
10	L		X								20'				" " "
10	F		X								21'				" " "
10	G		X								21'				" " "
11	A		X								20'				" " "
12	A			X						X					CONCRETE IS SOFTENING
12	B		X								20'				4" MARINE GROWTH IE. (MUSSELS, BARNICLES & SCALLOPS.)
12	C		X								20'				4" MARINE GROWTH IE. (MUSSELS, BARNICLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1315 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
12	D		X								21'				4" MARINE GROWTH IF. (MUSSELS, BARNICLES & SCALLOPS.)
12	E				X						8'	18"	15"	2"	SPALDING NO RE-BAR EXPOSED
12	F		X								20'				4" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)
12	G		X								20'				" " "
13	A		X								21'				" " "
14	A		X								21'				" " "
14	B		X								21'				" " "
14	C		X								21'				" " "
14	D		X								21'				" " "
14	E		X								21'				" " "
14	F		X								21'				" " "
14	G		X								21'				" " "
15	A				X						21'	12"	6"	1 1/2"	CONCRETE IS SOFT AND SPALDING
16	A		X								21'				4" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

[illegible] OF THE NAVY
[illegible] TEAM TWO
[illegible] BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: [illegible] ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUNN

PIER NAME/NO. JETTY PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1340 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
16	A		X								21'				4" MARINE GROWTH IE. (MUSSELS, BARNICLES & SCALLOPS.)
16	C		X								21'				" " "
16	D		X								21'				" " "
16	I		X								21'				" " "
16	E		X								21'				" " "
17	A		X								22'				" " "
17	A		X								22'				" " "
17	B		X								22'				" " "
17	C		X								22'				" " "
17	D		X								22'				" " "
17	I		X								22'				" " "
19	A			X						X	12'	18"	12"	2"	CONCRETE IS SPALLING, THERE IS AN 8" LENGTH OF EXPOSED RE-BAR
20	[illegible]		X								22'				4" MARINE GROWTH IE. (MUSSELS, BARNICALS & SCALLOPS.)
20	[illegible]		X								22'				" " "

NC=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

[illegible]
[illegible] INSPECTION TEAM TWO
[illegible] INSPECTION PATROL CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: JOHNSTON & DUTY

PIER NAME/NO. J K LINE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1350 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
20	C		X								22'				8" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)
20	D		X								22'				" " "
20	L		X								22'				" " "
21	A			X							10'	20"	6"	3"	TOPNER OF PILE IS BROKEN OFF
21	B				X					X	22'				CONCRETE IS SOFTENING
21	C				X					X	22'				" " "
21	D				X					X	22'				" " "
21	L				X					X	22'				" " "
21	I				X					X	22'				" " "
22	B				X					X	22'				" " "
23	A				X					X	22'				" " "
23	B				X					X	20'				" " "
23	C				X					X	20'				" " "
23	I				X					X	20'				8" MARINE GROWTH CONCRETE IS SOFTENING

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 17 SEPT. 80 DIVERS: PROVIA & JOHNSON

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1450 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
23	L				X					X	20'				8" MARINE GROWTH CONCRETE IS SOFTENING
24	A				X					X	20'				" " "
25	A				X					X	20'				" " "
25	B				X					X	20'				" " "
25	C				X					X	20'				" " "
25	D				X					X	20'				" " "
25	E				X					X	20'				" " "
25	F				X					X	20'				" " " " "
26	A				X					X	20'				" " "
27	A				X					X	20'				" " " "
28	A		X								21'				8" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)
29	A		X								20'				" " "
30	A		X								21'				" " "
31	B		X								20'				8" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND DATE: 18 SEPT. 80 DIVERS: PIMILLI & IMBORSKI

PIER NAME/NO. J-K PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 0900 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
30	C		X								20'				8" MARINE GROWTH TE. (MUSSELS, BARNICALS & SCALLOPS.)
30	B		X								20'				" " "
30	L		X								20'				" " "
31	L		X								20'				" " "
32	A		X								21'				" " "
33	A		X								21'				" " "
33	B		X								21'				" " "
33	C		X								20'				" " "
33	L		X								21'				" " "
33	L		X								20'				" " "
34	A		X								19'				" " "
35	A		X								20				" " "
36	A			X						X	19'	1'	10"	1"	CONCRETE SPALDING WITH 8" RE-BAR EXPOSED
37	A		X								21'				8" MARINE GROWTH TE. (MUSSELS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 19 SEPT. 80 DIVERS: DEMILLE & EMBORSKI

PIER NAME/NO. JK PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 0920 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
38	A		X								21'				10" MARINE GROWTH IE.(MUSSELS, BARNICALS & SCALLOPS.)
38	B		X								20'				" " "
38	C		X								21'				" " "
38	D		X								20'				" " "
38	L		X								21'				" " "
39	A		X								20'				" " "
40	A		X								21'				" " "
41	A		X								20'				" " "
41	B		X								20'				" " "
41	C		X								21'				" " "
41	D		X								20'				" " "
41	L		X								21'				" " "
42	A		X								20'				" " "
42	1B			X					X		21'				CONCRETE IS SPALDING, 8" MARINE GROWTH.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DIMILLE & EMPORSKI

PIER NAME/NO. UK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 0930 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
43	A				X				X		16'	12"	10"	2½"	CONCRET IS SPALDING, 8" OF RE-BAR IS EXPOSED.
43	1B		X								21'				10" MARINE GROWTH TE. (MUSSELS, BARNICALS & SCALLOPS.)
44	A		X								20'				" " "
44	B		X								21'				" " "
44	C		X								20'				" " "
44	D		X								21'				" " "
44	2B		X								20'				" " "
44	I		X								21'				" " "
45	I		X								20'				" " "
45	2B		X								21'				" " "
46	A		X								20'				" " "
46	1B		X								21'				" " "
46	B		X								20'				" " "
46	C		X								21'				10" MARINE GROWTH TE. (MUSSELS, BARNICALS & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DIMILLE & EMBORSKI

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1020 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
46	D		X								21'				10" MARINE GROWTH IE. (MUSSELS, BARNICALS & SCALLOPS.)
46	E		X								20'				" " "
46	2B		X								21'				" " "
49	A			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
49	B			X					X		20'				" " "
49	C			X					X		21'				" " "
49	D			X					X		20'				" " "
49	E			X					X		20'				" " "
49	F			X					X		21'				" " "
49	G			X					X		20'				" " "
49	1B			X					X		21'				" " "
49	2B			X					X		20'				" " "
49	3B			X					X		20'				" " "
49	4B			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
NAVFAC ENGINEERING CONTROL OFFICE TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DUPAN & CRAIG

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1115 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
52	A			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
52	B			X					X		21'				" " "
52	C			X					X		20'				" " "
52	D			X					X		21'				" " "
52	E			X					X		20'				" " "
52	F			X					X		20'				" " "
52	G			X					X		20'				" " "
52	1B			X					X		20'				" " "
52	2B			X					X		21'				" " "
52	3B			X					X		20'				" " "
52	4B			X					X		20'				" " "
55	A			X					X		20'				" " "
55	B			X					X		21'				" " "
55	C			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. J.K PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1130 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
55	D			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
55	L			X					X		20'				" " "
55	F			X					X		21'				" " "
55	C			X					X		21'				" " "
55	1B			X					X		20'				" " "
55	2I			X					X		21'				" " "
55	3B			X					X		21'				" " "
55	4B			X					X		20'				" " "
58	A			X					X		21'				" " "
58	B			X					X		20'				" " "
58	C			X					X		20'				" " "
58	D			X					X		21'				" " "
58	L			X					X		20'				" " "
58	F			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. JK PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1145 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
58	G			X					X		21'				10" MARINE GROUTE, CONCRETE IS SOFTENING.
58	1B			X					X		21'				" " "
58	2B			X					X		20'				" " "
58	3B			X					X		21'				" " "
58	4B			X					X		21'				" " "
61	A			X					X		20'				" " "
61	B			X					X		21'				" " "
61	C			X					X		21'				" " "
61	D			X					X		16'	6"	4"	1½"	CONCRETE IS SPALDING, NO RE-BAR EXPOSED.
61	E			X					X		21'				10" MARINE GROUTE, CONCRETE IS SOFTENING.
61	F			X					X		21'				" " "
61	G			X					X		21'				" " "
61	1B			X					X		20'				" " "
61	2B			X					X		20'				10" MARINE GROUTE, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. JF PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1200 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
61	3B			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
61	4B			X					X		20'				" " "
63	A			X					X		20'				" " "
63	B			X					X		21'				" " "
63	C			X					X		21'				" " "
63	D			X					X		21'				" " "
63	E			X					X		21'				" " "
63	F			X					X		21'				" " "
63	G			X					X		20'				" " "
63	1B			X					X		21'				" " "
63	2B			X					X		20'				" " "
63	3B			X					X		20'				" " "
63	4B			X					X		21'				" " "
66	A			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 13 SEPT. 80 DIVERS: DURAN & CRAIG

PIER NAME/NO. J K PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1205 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
66	B			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
66	C			X					X		21'				" " "
66	D			X					X		20'				" " "
66	E			X					X		20'				" " "
66	F			X					X		20'				" " "
66	G			X					X		20'				" " "
66	1B			X					X		20'				" " "
66	2B			X					X		21'				" " "
66	3B			X					X		20'				" " "
66	4B			X					X		21'				" " "
67	A			X					X		20'				" " "
68	A			X					X		21'				" "" "
69	A				X			X			10'	2"	6"	1½"	CONCRETE IS SPALDING, RE-BAR IS EXPOSED.
70	E			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 16 SEPT. 80 DIVERS: PRONIA & BUNT

PIER NAME/NO. J.K. PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1304 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
69	B			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
69	C			X					X		20'				" " "
69	D			X					X		21'				" " "
69	E			X					X		21'				" " "
69	F			X					X		20'				" " "
69	G			X					X		20'				" " "
69	1B			X					X		21'				" " "
69	2B			X					X		20'				" " "
69	3B			X					X		21'				" " "
69	4B			X					X		21'				" " "
71	A			X					X		15'	15'	1"	1/2"	CRACKED CONCRETE, NO RE-BAR EXPOSED.
71	A			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	A				X					X	4'	1'	2"	2"	PILE IS CRACKED, NO RE-BAR IS EXPOSED.
72	B			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

[redacted]
[redacted] TEAM TWO
[redacted] CENTER
PORT HUENEME [redacted] FORNIA 93043

LOCATION: [redacted] DATE: [redacted] DIVERS: [redacted]

PIER NAME/NO. [redacted] PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: [redacted] TIDE: [redacted] WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: [redacted]

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
72	C			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	D			X					X		20'				" " "
72	E			X					X		21'				" " "
72	F			X					X		15'	15'	1"	1½"	PILE HAS A CRACK WITH NO RE-BAR EXPOSED.
72	G			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
72	1B			X					X		20'				" " "
72	2B			X					X		21'				" " "
72	3B			X					X		20'				" " "
72	4B			X					X		21'				" " "
73	A			X					X		22'				" " "
74	A			X					X		20'				" " "
75	A			X					X		21'				" " "
75	B			X					X		20'				" " "
75	C			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

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[redacted]
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: FROST & DUNN

PIER NAME/NO. D. PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1400 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
75	D			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	E				X					X	20'				CONCRETE IS SPALDING, NO RE-BAR EXPOSED.
75	F			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	G				X					X	15'				CONCRETE IS SPALDING, NO RE-BAR EXPOSED.
75	1A			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
75	2A			X					X		21'				" " "
75	3A				X					X	10'	15'	6"	6"	CONCRETE IS SPALDING, NO RE-BAR EXPOSED.
75	4A			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
76	A			X					X		21'				" " "
77	A			X					X		20'				" " "
78	A			X					X		21'				" " "
79	A			X					X		21'				" " "
79	C			X					X		20'				" " "
79	D			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 13 SEPT. 80 DIVERS: PROVIA & DUEN

PIER NAME/NO. JE PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1445 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
78	J			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.
78	L			X					X		20'				" " "
78	I			X					X		21'				" " "
78	G			X					X		20'				" " "
78	1b			X					X		21'				" " "
78	2b			X					X		20'				" " "
78	3b			X					X		20'				" " "
78	4b			X					X		21'				" " "
79	A			X					X		21'				" " "
79	A			X					X		20'				" " "
80	B			X					X		21'				" " "
80	C			X					X		21'				" " "
80	D			X					X		21'				" " "
80	I			X					X		20'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: PEOTA & DUNN

PIER NAME/NO. J.K. PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1515 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
22	F			X						X	20'	20'	½"	1"	10" MARINE GROWTH, PILE HAS A HAIRLINE CRACK 20' IN LENGTH
23	G			X					X		21'				10" MARINE GROWTH, CONCRETE IS SOFTENING.

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND CA DATE: 18 SEPT. 80 DIVERS: MUSERVE & JOHNSTON

PIER NAME/NO. JK PILE APPROACHWAY PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1515 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
1	A		X								8'				8" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)
1	B		X								8'				" " "
1	C		X								8'				" " "
1	D		X								8'				" " "
1	E		X								8'				" " "
1	F		X								8'				" " "
2	A		X								12'				" " "
2	B		X								12'				" " "
2	C		X								12'				" " "
2	D		X								12'				" " "
2	E		X								12'				" " "
2	F		X								12'				" " "
2	G		X								12'				" " "
3	A		X								21'				8" MARINE GROWTH IF. (MUSSELS, BARNICALS & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: NAS NORTH ISLAND DATE: 18 SEPT. 80 DIVERS: MESERVE & JOHNSTON

PIER NAME/NO. JETTY APPROACHWAY PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1545 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
5	B		X								21'				10" MARINE GROWTH IE. (MUSSELS, BARNICALS & SCALLOPS.)
5	C		X								21'				" " "
5	D		X								21'				" " "
5	L		X								21'				" " "
8	A		X								21'				" " "
8	B		X								20'				" " "
8	C		X								20'				" " "
8	D		X								21'				" " "
8	E		X								20'				" " "
11	A		X								20'				" " "
11	B		X								21'				" " "
11	C		X								21'				" " "
11	D		X								20'				" " "
11	E		X								21'				10" MARINE GROWTH IE. (MUSSELS, BARNICALS & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
FORT HUENEME CALIFORNIA 93043

ENCL (5)
Attachment (3)

LOCATION: PT. LOMA CA. DATE: 10 SEPT. 80 DIVERS: WRIGHT & DUNN

PIER NAME/NO. PT. LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [X] STEEL PIPE [ ] STEEL SHEET [ ] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1030 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
1	A		X								1'				2" BARNACLE GROWTH
1	B		X								1'				" " "
2	A		X								3'				6" MARINE GROWTH IE. (MUSSELS AND BARNACLES)
2	B		X								3'				" " "
3	A		X								5'				" " "
3	B		X								5'				" " "
4	A		X								7'				" " "
4	B						X			X	7'				STEEL PILE IS SUSPENDED 1' OFF BOTTOM. IT IS SUPPORTED BY FOUR 12" DIA. WOOD PILES.
5	A		X								7'				
5	B		X								7'				6" MARINE GROWTH IE (MUSSELS AND BARNACLES.)
6	A		X								7'				" " "
6	B		X								7'				" " "
7	A		X								7'				" " "
7	B		X								7'				" " "

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: WRIGHT & DUNN

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [X] STEEL PIPE [ ] STEEL SHEET [ ] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1010 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
8	A		X								7'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
8	B		X								7'				" " "
9	A		X								7'				" " "
9	B		X								7'				" " "
10	A		X								7'				" " "
10	B		X								7'				" " "
11	A		X								7'				" " "
11	B		X								7'				" " "
12	A		X								10'				" " "
12	B		X								10'				" " "
13	A		X								10'				" " "
13	B						X			X	10'				" " "
14	A		X								10'				" " "
14	B		X								10'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
FORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: WRIGHT & DUNN

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [X] STEEL PIPE [ ] STEEL SHEET [ ] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1025 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
15	A		X								10'				6" MARINE GROWTH IE. (BARNACLES, MUSSELS & SCALLOPS.)
15	B					X				X					
16	A		X								10'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
16	B		X								10'				" " "
17	A		X								10'				FOUR STEEL PILES REPLACING THE ORIGINAL MAIN PILE.
17	B		X								10'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
18	A		X								10'				" " "
18	B		X								10'				" " "
19	A		X								10'				" " "
19	B		X								10'				" " "
20	A		X								20'				" " "
20	B		X								25'				" " "
21	A		X								20'				" " "
21	B		X								25'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: WRIGHT & DUNN

PIER NAME/NO. PT LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [X] STEEL PIPE [ ] STEEL SHEET [ ] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1040 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
22	A		X								20'				6" MARINE GROUTH ID. (MUSSELS, BARNACLES & SCALLOPS.)
22	B		X								25'				" " "
23	A		X								20'				" " "
23	B		X								25'				" " "
24	A		X								20'				" " "
24	B		X								25'				" " "
25	A		X								20'				" " "
25	B		X								25'				" " "
26'	A		X								20'				" " "
26	B		X								25'				" " "
27	A		X								20'				" " "
27	B		X								25'				" " "
28	A		X								20'				" " "
28	B		X								25'				6" MARINE GROUTH ID. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT LOMA CA DATE: 19 SEPT. 80 DIVERS: UTICHT & DUNN

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [X] STEEL PIPE [ ] STEEL SHEET [ ] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1050 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
29	A		X								20'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
29	B		X								25'				" " "
30	A		X								20'				" " "
30	B		X								25'				" " "
31	A		X								20'				" " "
31	B		X								25'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
					END OF OLD SECTION OF PILE										

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MLSERVL & JOHNSTON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
1	A		X								22'				6-8" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
1	B		X								24'				" " "
1	C		X								26'				" " "
1	D		X								28'				" " "
1	E		X								30'				" " "
1	F		X								32'				" " "
2	A		X								22'				" " "
2	B		X								24'				" " "
2	C		X								26'				" " "
2	D		X								28'				" " "
2	E		X								30'				" " "
2	F		X								32'				" " "
3	A		X								22'				" " "
3	B		X								24'				6"MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MUSERVE & JOHNSTON

PIER NAME/NO. PT. LOMA FUEL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
3	C		X								26'				6" MARINE GROWTH IF. (MUSSILS, BARNACLES & SCALLOPS.)
3	D		X								28'				" " "
3	L		X								30'				" " "
3	F		X								32'				" " "
4	A		X								22'				" " "
4	B		X								24'				" " "
4	C		X								26'				" " "
4	D		X								28'				" " "
4	L		X								30'				" " "
4	F		X								32'				" " "
5	A		X								22'				" " "
5	B		X								24'				" " "
5	C		X								26'				" " "
5	D		X								28'				6" MARINE GROWTH IF. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MI SERVE & JOHNSTON

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
5	L		X								30'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
5	K		X								32'				" " "
6	J		X								22'				" " "
6	B		X								24'				" " "
6	C		X								26'				" " "
6	D		X								28'				" " "
6	L		X								30'				" " "
6	K		X								32'				" " "
7	A		X								22'				" " "
7	B		X								24'				" " "
7	C		X								26'				" " "
7	D		X								28'				" " "
7	L		X								30'				" " "
7	K		X								32'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: FT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MCSERVE & JOHNSTON

PIER NAME/NO. FT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
8	A		X								22'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
8	B		X								24'				" " "
8	C		X								26'				" " "
8	D		X								28'				" " "
8	E		X								30'				" " "
8	F		X								32'				" " "
9	A		X								22'				" " "
9	B		X								24'				" " "
9	C		X								26'				" " "
9	D		X								28'				" " "
9	E		X								30'				" " "
9	F		X								32'				" " "
10	A		X								22'				" " "
10	B		X								24'				6" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MISEPVE & JOHNSTON

PIER NAME/NO. PT LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
10	C		X								26'				6" MARINE GROWTH IF. (MUSSILS, BARNACLES & SCALLOPS.)
10	D		X								28'				" " "
10	E		X								30'				" " "
10	F		X								32'				" " "
11	A		X								22'				" " "
11	B		X								24'				" " "
11	C		X								26'				" " "
11	D		X								28'				" " "
11	E		X								30'				" " "
11	F		X								32'				" " "
12	A		X								22'				" " "
12	B		X								24'				" " "
12	C		X								26'				" " "
12	D		X								28'				6" MARINE GROWTH IF. (MUSSILS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
NAVFAC ENGINEERING CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MESERVE & JOHNSTON

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1045 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
12	A		X								30'				6" MARINE GROWTH IT. (MUSSILS, BARNACLES & SCALLOPS.)
12	B		X								32'				" " "
13	A		X								22'				" " "
13	A-B	X													
13	B		X								32'				" " "
14	A		X								22'				" " "
14	B		X								24'				10" MARINE GROWTH IT. (MUSSILS, BARNACLES & SCALLOPS.)
14	C		X								26'				" " "
14	D		X								28'				" " "
14	E		X								30'				" " "
14	F		X								32'				" " "
15	A		X								22'				" " "
15	B-E	X													
15	F		X								32'				10" MARINE GROWTH IT. (MUSSILS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: MESERVE & JOHNSTON

PIER NAME/NO. PT. LOMA FUEL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: ~~1230~~ TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NC	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
16	A		X								22'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
16	B		X								24'				" " "
16	C		X								26'				" " "
16	D		X								28'				" " "
16	E		X								30'				" " "
16	F		X								32'				" " "
17	A		X								22'				" " "
17	B-E	X													
17	F		X								32'				" " "
18	A		X								22'				" " "
18	B		X								24'				" " "
18	C		X								26'				" " "
18	D		X								28'				" " "
18	E		X								30'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1230 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

PENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
18	F		X								32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
18	A		X								22'				" " "
19	B-L	X													
19	F		X								32'				" " "
20	A		X								22'				" " "
20	B		X								24'				" " "
20	C		X								26'				" " "
20	D		X								28'				" " "
20	E		X								30'				" " "
20	F		X								32'				" " "
21	A		X								22'				" " "
21	B-L	X													
21	F		X								32'				" " "
22	A		X								22'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1230 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
22	B		X								24'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
22	C		X								26'				" " "
22	D		X								28'				" " "
22	E		X								30'				" " "
22	F		X								32'				" " "
23	A		X								22'				" " "
23	B-L	X													
23	E		X								32'				" " "
24	A		X								22'				" " "
24	B		X								24'				" " "
24	C		X								26'				" " "
24	D		X								28'				" " "
24	E		X								30'				" " "
24	F		X								32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER. MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 20 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1230 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
25	A		X								22'				10" MARINE GROWTH IE. (MUSSLLS, BARNACLES & SCALLOPS.)
25	B-L	X													
25	E		X								32'				" " "
26	A		X								22'				" " "
26	B		X								24'				" " "
26	C		X								26'				" " "
26	D		X								28'				" " "
26	E		X								30'				" " "
26	F		X								32'				" " "
27	A		X								22'				" " "
27	B-L	X													
27	E		X								32'				" " "
28	A		X								22'				" " "
28	B		X								24'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1340 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
28	C		X								26'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
28	D		X								28'				" " "
28	L		X								30'				" " "
28	F		X								32'				" " "
29	A		X								22'				" " "
29	B-I	X													
29	F		X								32'				" " "
30	A		X								22'				" " "
30	B		X								24'				" " "
30	C		X								26'				" " "
30	D		X								28'				" " "
30	L		X								30'				" " "
30	F		X								32'				" " "
31	A		X								22'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1340 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
31	B-E	X													
31	E		X								32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
32	A		X								22'				" " "
32	B		X								24'				" " "
32	C		X								26'				" " "
32	D		X								28'				" " "
32	E		X								30'				" " "
33	A		X								22'				" " "
33	B-E	X													
33	E		X								32'				" " "
34	A		X								22'				" " "
34	B		X								24'				" " "
34	C		X								26'				" " "
34	D		X								28'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DEMILLE & EMBORSKI

PIER NAME/NO. PT. LOMA FULL PILR PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1345 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
34	E		X								30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
34	F		X								25'				" " "
35	A		X								25'				" " "
35	B-E	X													
35	F		X								25'				" " "
36	A		X								25'				" " "
36	B		X								25'				" " "
36	C		X								25'				" " "
36	D		X								25'				" " "
36	E		X								25'				" " "
36	F		X								25'				" " "
37	A		X								25'				" " "
37	B-E	X													
37	F		X								25'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1230 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
38	A		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
38	B		X								28'				" " "
38	C		X								28'				" " "
38	D		X								28'				" " "
38	L		X								28'				" " "
38	F		X								28'				" " "
39	A		X								28'				" " "
39	B-L	X													
39	F		X								28'				" " "
40	A		X								28'				" " "
40	B		X								28'				" " "
40	C		X								28'				" " "
40	D		X								28'				" " "
40	L		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FUEL PILP PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY 1215 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
40	F		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
41	A		X								28'				" " "
41	B-E	X													
41	F		X								28'				" " "
42	A		X								28'				" " "
42	B		X								28'				" " "
42	C		X								28'				" " "
42	D		X								28'				" " "
42	E		X								28'				" " "
42	F		X								28'				" " "
43	A		X								28'				" " "
43	B-E	X													
43	F		X								28'				" " "
44	A		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DURAN & JOHNSON

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1300 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
44	L		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
44	C		X								28'				" " "
44,	D		X								28'				" " "
44	L		X								28'				" " "
44	F		X								28'				" " "
45	A		X								28'				" " "
45	B-L	X													
45	F		X								28'				" " "
46	A		X								28'				" " "
46	B		X								28'				" " "
46	C		X								28'				" " "
46	D		X								28'				" " "
46	L		X								28'				" " "
46	F		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: DEMILLE & EMBORSKI

PIER NAME/NO. PT. LOMA FULL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1300 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
47	A		X								28'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
47	B		X								28'				" " "
47	C		X								28'				" " "
47	D		X								28'				" " "
47	E		X								28'				" " "
47	F		X								28'				" " "
48	A		X								30'				" " "
48	B-L	X													
48	F		X								30'				" " "
49	A		X								30'				" " "
49	B-E	X													
49	F		X								30'				" " "
50	A		X								30'				" " "
50	B		X								30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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SLIDES

J - K PIERS

1 - 6: Exposed rebar on concrete piles.

7 -10: Typical marine growth

11 -13: Damage noted above waterline, particuilarly gunite problems.

DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10 SEPT. 80 DIVERS: UPCHT & DUNN

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1105 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
59	C		X								26'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
59	D		X								28'				" " "
59	E		X								30'				" " "
59	F		X								32'				" " "
60	A		X								22'				" " "
60	B		X								24'				" " "
60	C		X								26'				" " "
60	D		X								28'				" " "
60	E		X								30'				" " "
60	F		X								32'				10" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER [illegible] TEAM TWO
NAVAL COASTAL [illegible] CENTER
PORT HUENEME CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 19 SEPT. 80 DIVERS: WRIGHT & BUHR

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1120 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
37	A		X								22'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
37	B		X								24'				" " "
37	C		X								26'				" " "
37	D		X								28'				" " "
37	E		X								30'				" " "
37	F		X								32'				" " "
38	A		X								22'				" " "
38	B		X								24'				" " "
38	C		X								26'				" " "
38	D		X								28'				" " "
38	E		X								30'				" " "
38	F		X								32'				" " "
39	A		X								22'				" " "
39	B		X								24'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 12SEPT.20 DIVERS: TIGHT & DUTY

PIER NAME/NO. PT. LOMA FULL PILE PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1125 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC	DEPTH	HGT	WIDTH	PENETR	
53	I		X								30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
53	F		X								30'				" " "
54	A		X								30'				" " "
54	B-L	X													
54	F		X								30'				" " "
55	A		X								22'				" " "
55	L		X								24'				" " "
55	C		X								26'				" " "
55	D		X								28'				" " "
55	E		X								30'				" " "
55	F		X								32'				" " "
56	A		X								22'				" " "
56	B-L	X													
56	I		X								32'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

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DEPARTMENT OF THE NAVY
UNDERWATER CONSTRUCTION TEAM TWO
NAVAL CONSTRUCTION BATTALION CENTER
PORT HUENEME, CALIFORNIA 93043

LOCATION: PT. LOMA CA DATE: 10 SEPT. 83 DIVERS: DEVILLE & EMBORSKI

PIER NAME/NO. PT. LOMA FUEL PIER PILE TYPE: [X] BEARING [ ] FENDER [ ] SHEET

PILE MATERIAL: [ ] TIMBER [ ] STEEL PIPE [ ] STEEL SHEET [X] CONCRETE [ ] STEEL "H" PILE

TIME OF DAY: 1245 TIDE: _____ WATER DEPTH FROM DATUM = GAUGE DEPTH - TIDE: _____

BENT NO.	PILE NO.	NI	PILE DAMAGE					TYPE DAMAGE			GAUGE DEPTH	DIMENSIONS OF DAMAGE			COMMENTS
			NO	MIN	MOD	MAJ	SEV	MECH	BIO	FUNC		HGT	WIDTH	PENETR	
50	C		X								30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)
50	D		X								30'				" " "
50	E		X								30'				" " "
50	F		X								30'				" " "
51	A		X								30				" " "
51	B-E	X													
51	F		X								30'				" " "
52	A		X								30'				" " "
52	B-E	X													
52	F		X								30'				" " "
53	A		X								30'				" " "
53	E		X								30'				" " "
53	C		X								30'				" " "
53	D		X								30'				12" MARINE GROWTH IE. (MUSSELS, BARNACLES & SCALLOPS.)

NO=NONE, MIN=MINIMUM, MOD=MODERATE, MAJ=MAJOR, SEV=SEVER, MECH=MECHANICAL, BIO=BIOLOGICAL, FUNC=FUNCTIONAL

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