STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

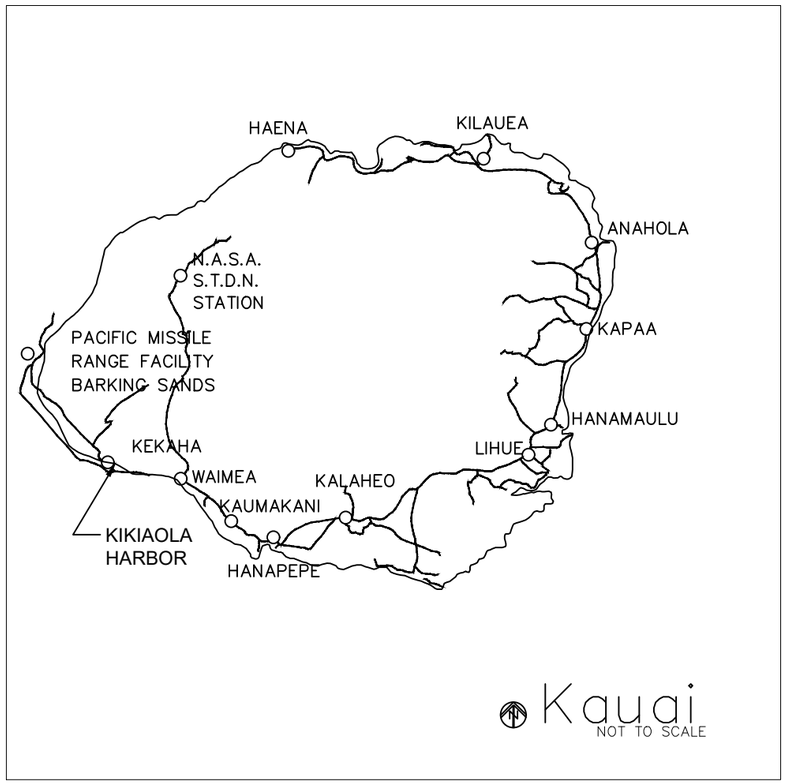
DIVISION OF BOATING AND OCEAN RECREATION

JOB NO. KA26-01

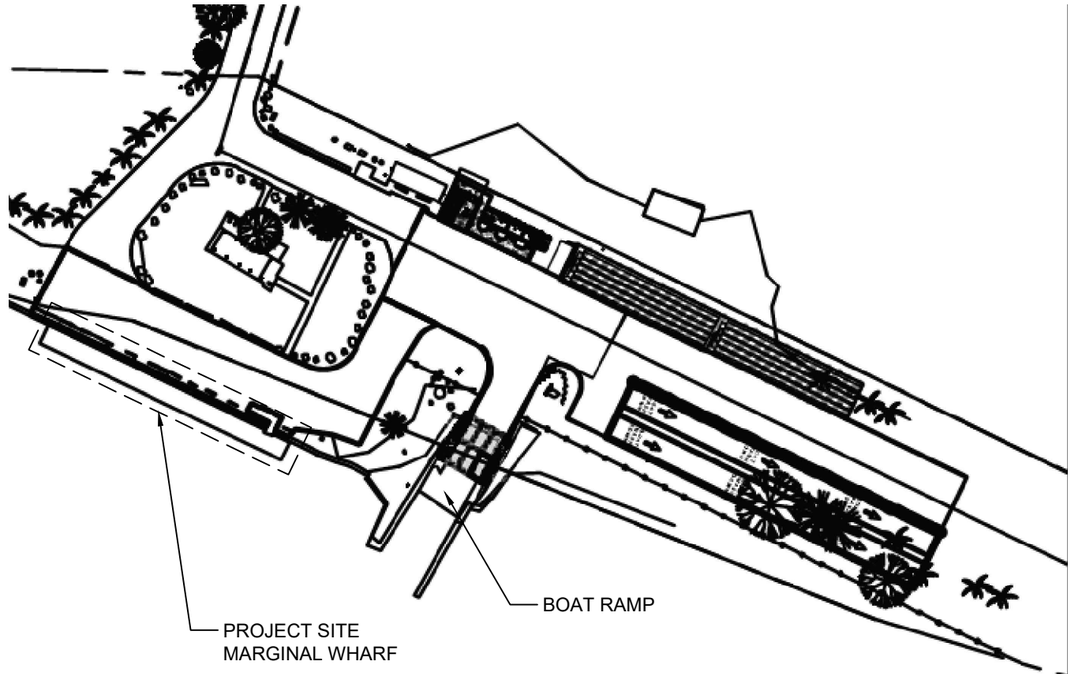
KIKIAOLA SMALL BOAT HARBOR
HURRICANE LOWELL MARGINAL WHARF REPAIR

KEKAHA, KAUAI, HAWAII

TMK (4) 1-2-006:017



LOCATION MAP
(NOT TO SCALE)



VICINITY MAP
(NOT TO SCALE)

DRAWING INDEX		
DRAWING NO.	SHEET NO.	DESCRIPTION
T-1	1	TITLE SHEET
C-1	2	DEMOLITION AND BMP PLAN
C-2	3	SITE PLAN AND REPAIR DETAILS

APPROVED: DATE: 10/14/26

MEGHAN L. STATTS
ADMINISTRATOR
DIVISION OF BOATING AND OCEAN RECREATION
DEPARTMENT OF LAND AND NATURAL RESOURCES

DRAWING NO.
T-1

JOB NO. KA26-01
KIKIAOLA SMALL BOAT HARBOR
HURRICANE LOWELL MARGINAL WHARF REPAIR
KEKAHA, KAUAI, HAWAII
DEMOLITION AND BMP PLAN
REVISED PER ADDENDUM NO. 2 DATED 10/30/26

ALLOWABLE CONTRACTOR STAGING AND STORAGE AREAS. COORDINATE LOCATION WITH KAUAI DISTRICT MANAGER. DO NOT BLOCK ANY ROADWAYS OR PARKING AREAS. SURROUND STAGING/STORAGE AREAS WITH FILTER SOCKS.

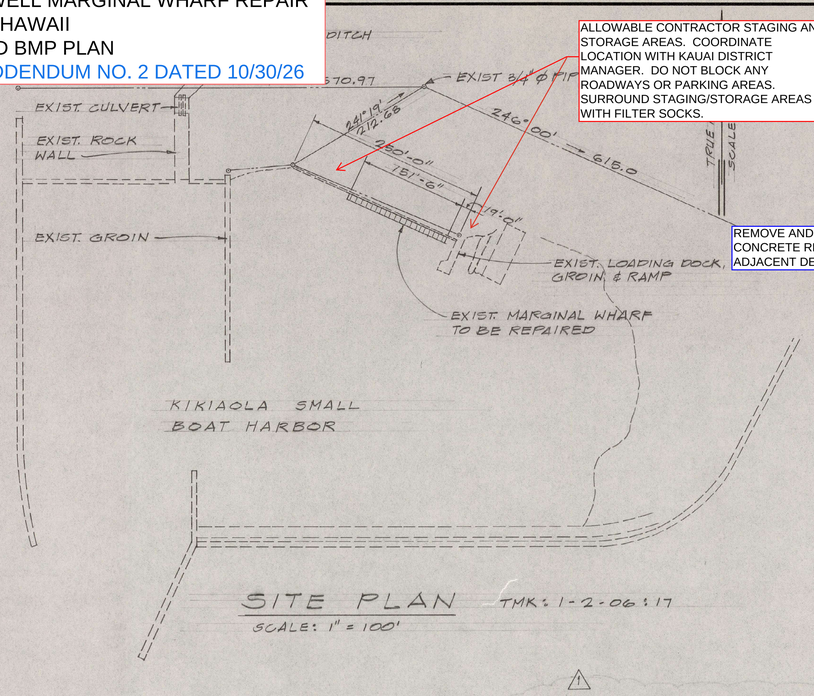
REMOVE AND DISPOSE DAMAGED CONCRETE REVETMENT CAP AND ADJACENT DELAMINATED ASPHALT

REMOVE AND DISPOSE OF MARGINAL WHARF WOODEN SUPERSTRUCTURE INCL., FENDERS, CLEATS, HARDWARE, AND MOUNTING BRACKETS

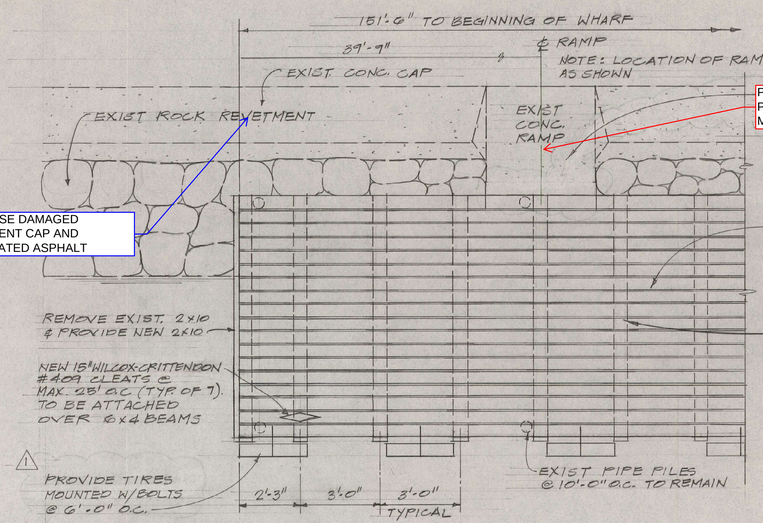
PREPARE CONC. RAMP AS NEEDED TO PROVIDE SMOOTH RIDING TRANSITION TO MARGINAL WHARF

PROVIDE FULL-DEPTH DOT TYPE 2 TURBIDITY CURTAIN AROUND PROJECT SITE

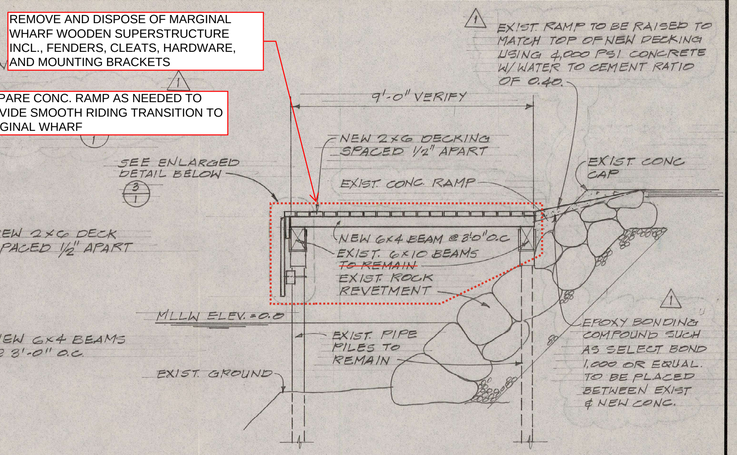
PREPARE STEEL PIPE PILES TO ACCOMMODATE NEW MOUNTING BRACKETS FOR DECK, FENDERS, ETC.



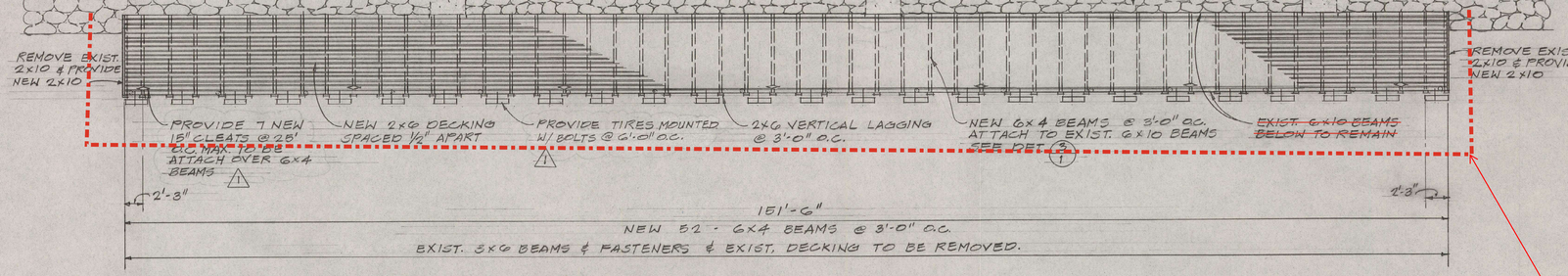
SITE PLAN TMK: 1-2-06:17
SCALE: 1" = 100'



1/1 PART. WHARF PLAN
SCALE: 3/8" = 1'-0"

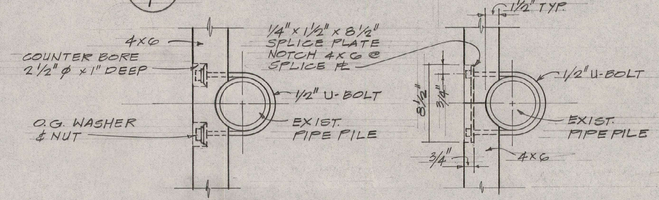


2/1 TYPICAL SECTION
SCALE: 3/8" = 1'-0"



A/1 MARGINAL WHARF PLAN
SCALE: 1/8" = 1'-0"

3/1 DETAIL AT LAGGING
SCALE: 1" = 1'-0"



4/1 PLAN - NO SPLICE AT SPLICE
SCALE: 1 1/2" = 1'-0"

NOTE:
1. ~~THE CONTRACTOR SHALL BE CAREFUL NOT TO DAMAGE THE EXISTING 6x10 BEAMS. IF IT IS DAMAGED DUE TO THE REMOVAL WORK, THE CONTRACTOR SHALL REPLACE IT AT NO COST TO THE STATE.~~
2. LUMBER SHALL BE DOUGLAS FIR NO.1 GRADE AND BETTER WITH MINIMUM ALLOWABLE Fb = 1350 PSI, S4S. MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT.

NOTES:
1. ALL CONSTRUCTION WASTE SHALL BE HAULED AND PROPERLY DISPOSED AT THE NEAREST COUNTY LANFILL OR OTHER APPROPRIATE DISPOSAL FACILITY.
2. SEE SCOPE OF WORK AND SPECIFICATIONS FOR MORE DETAILS.

5/1 PART. WHARF FRAMING
SCALE: 1/4" = 1'-0"

DEMOLITION AND BMP PLAN
(NOT TO SCALE)

REVISION NO.	SYM.	DESCRIPTION	SHT. / OF	DATE	APPROVED
1	1/1	REVISIONS TO CONC. RAMP & INSTALL. OF TIRES	1/1	1/20/94	~~MD~~

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

REPAIR MARGINAL PIER
KIKIAOLA SMALL BOAT HARBOR
KAUAI HAWAII

PLANS AND DETAILS

DESIGNED: D.I.	SUBMITTED: ~~MD~~
DRAWN: ET.	DATE: 1-6-94
CHECKED: ~~GMM~~	SCALE:
APPROVED: MANAGER-CHIEF ENGINEER	DATE: 1-6-94

DRAWING NO.

JOB NO. KA26-01 SHEET 2 OF 3 SHEETS

FOLDER. DRAWER FILE

15X476

JOB NO. KA26-01
KIKIAOLA SMALL BOAT HARBOR
HURRICANE LOWELL MARGINAL WHARF REPAIR
KEKAHA, KAUAI, HAWAII
SITE PLAN AND REPAIR DETAILS
REVISED PER ADDENDUM NO. 2 DATED 10/30/26

REPAIR/REPLACE DAMAGED REVETMENT CONCRETE CAP MIN. 4" THICKNESS, NO REINFORCING REQUIRED

REPAIR/PATCH DELAMINATED ASPHALT ADJACENT TO CONCRETE REVETMENT CAP, PROVIDE SMOOTH SURFACE TRANSISION, COMPACT EX. BASE COURSE AND PROVIDE MIN. 2" THICK STATE MIX V ASPHALT

REPAIR/PATCH CONC. RAMP AS NECESSARY TO PROVIDE SMOOTH RIDING TRANSITION TO MARGINAL WHARF

NEW CLEATS SHALL BE CAST ALUMINUM, SCHOELLHORN-ALBRECHT NUMBER S1224-15 OR APPROVED EQUAL, SEE SCOPE OF WORK AND SPECIFICATIONS FOR DETIALS

ATTACHMENT OF NEW SUPERSTRUCTURE TO EX. PIPE PILES SHALL BE A DESIGN-BUILD EFFORT. CONTRACTORS MAY USE THE DETAILS SHOWN HERE IF FEASIBLE, OTHERWISE CONTRACTOR SHALL DESIGN THEIR OWN ANGLES, BRACKETS, HARDWARE, ETC. TO PROPERLY ATTACH THE NEW SUPERSTRUCTURE TO THE EX. PIPE PILES. SUBMITTALS/SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL BY THE ENGINEER.

ALL STEEL ANGLES, BRACKETS, HARDWARE, LAG SCREWS, ETC. SHALL BE 316 STAINLESS STEEL, SEE SCOPE OF WORK AND SPECIFICATIONS FOR DETAILS

DO NOT PROVIDE TIRES

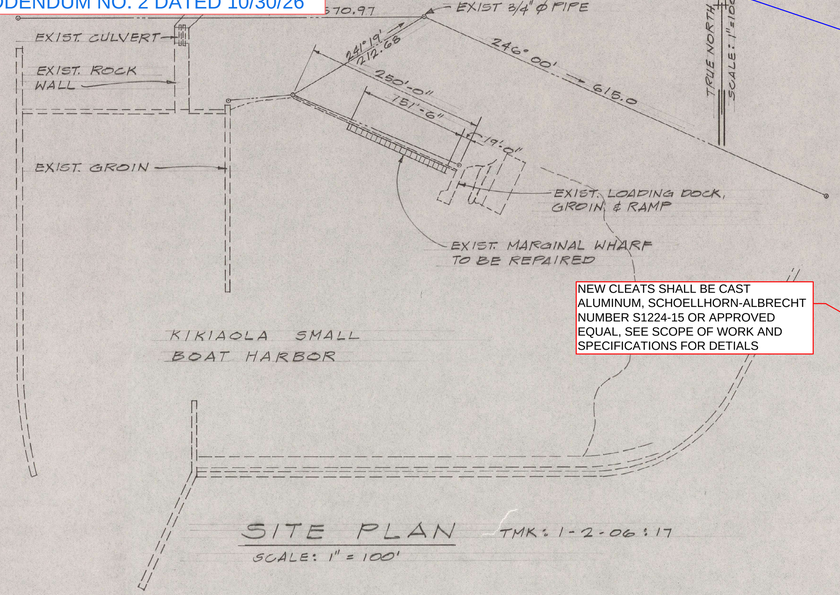
PROVIDE NEW CLEATS IN SAME LOCATION AS EXISTING CLEATS

ATTACHMENT OF NEW SUPERSTRUCTURE TO EX. PIPE PILES SHALL BE A DESIGN-BUILD EFFORT. CONTRACTORS MAY USE THE DETAILS SHOWN HERE IF FEASIBLE, OTHERWISE CONTRACTOR SHALL DESIGN THEIR OWN ANGLES, BRACKETS, HARDWARE, ETC. TO PROPERLY ATTACH THE NEW SUPERSTRUCTURE TO THE EX. PIPE PILES. SUBMITTALS/SHOP DRAWINGS SHALL BE PROVIDED FOR APPROVAL BY THE ENGINEER.

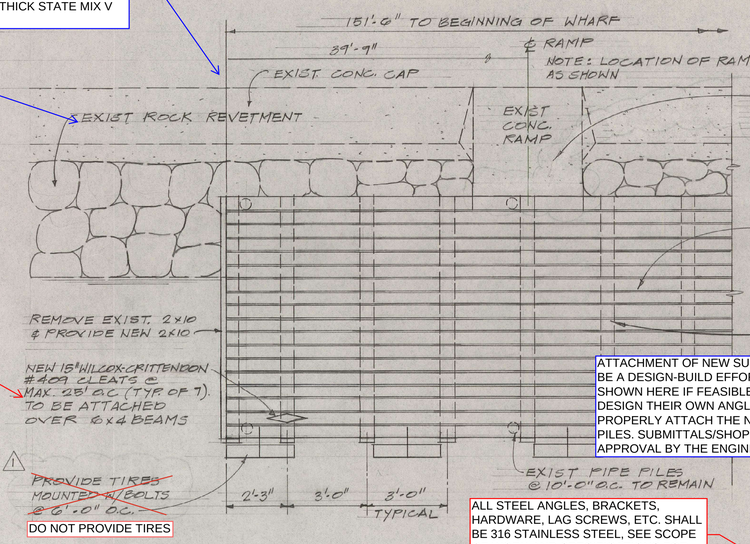
ALL STEEL ANGLES, BRACKETS, HARDWARE, LAG SCREWS, ETC. SHALL BE 316 STAINLESS STEEL, SEE SCOPE OF WORK AND SPECIFICATIONS FOR DETAILS

PREPARE STEEL PIPE PILES TO ACCOMMODATE NEW MOUNTING BRACKETS FOR DECK, FENDERS, ETC.

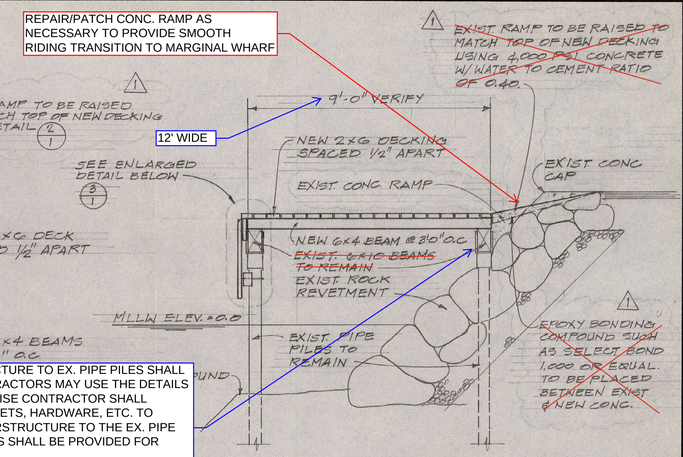
NEW LUMBER SHALL BE MARINE-GRADE WITH CHEMONITE ACZA PRESSURE TREATMENT OR APPROVED EQUAL



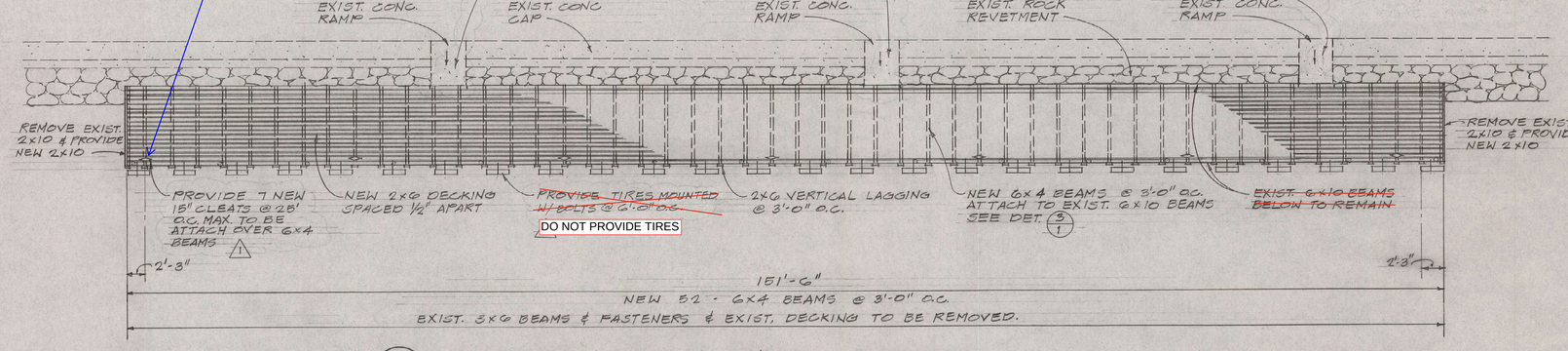
SITE PLAN
SCALE: 1" = 100'
TMK: 1-2-06:17



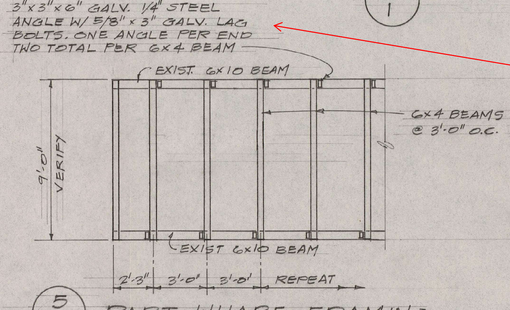
1/1 PART. WHARF PLAN
SCALE: 3/8" = 1'-0"



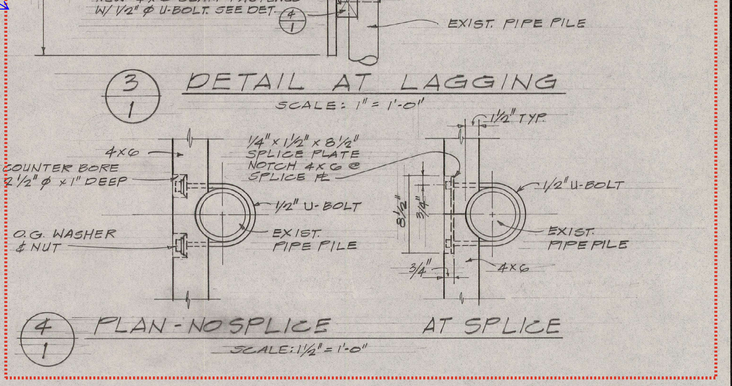
2/1 TYPICAL SECTION
SCALE: 3/8" = 1'-0"



A/1 MARGINAL WHARF PLAN
SCALE: 1/8" = 1'-0"



5/1 PART. WHARF FRAMING
SCALE: 1/4" = 1'-0"



3/1 DETAIL AT LAGGING
SCALE: 1" = 1'-0"

4/1 PLAN - NO SPLICE AT SPLICE
SCALE: 1 1/2" = 1'-0"

NOTE:
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2. LUMBER SHALL BE DOUGLAS FIR NO.1 GRADE AND BETTER WITH MINIMUM ALLOWABLE Fb = 1250 PSI, 345. MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT.

REVISION NO.	SYM.	DESCRIPTION	SHT. / OF	DATE	APPROVED
1	1	REVISIONS TO CONC. RAMP & INSTALL. OF TIRES	1/1	1/20/94	ND

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT

REPAIR MARGINAL PIER
KIKIAOLA SMALL BOAT HARBOR
KAUAI HAWAII

PLANS AND DETAILS

DESIGNED: D.I.	SUBMITTED: ND
DRAWN: ET.	DATE: 1-6-94
CHECKED: GMM	SCALE:
APPROVED: MANAGER-CHIEF ENGINEER	DATE: 1-6-94

DRAWING NO.

FOLDER: DRAWER: FILE:

SITE PLAN AND REPAIR DETAILS
(NOT TO SCALE)