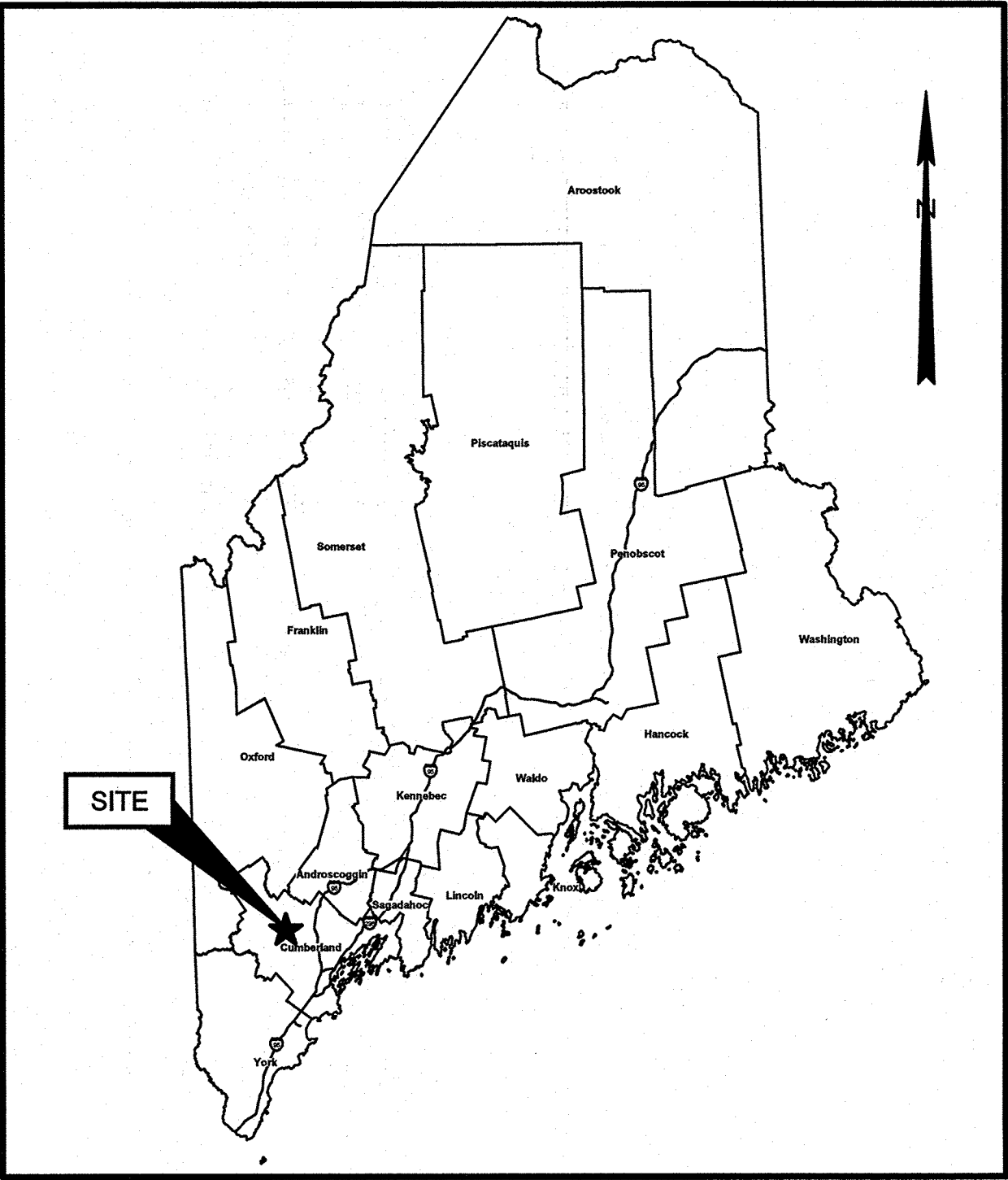


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

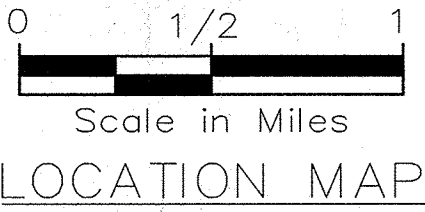
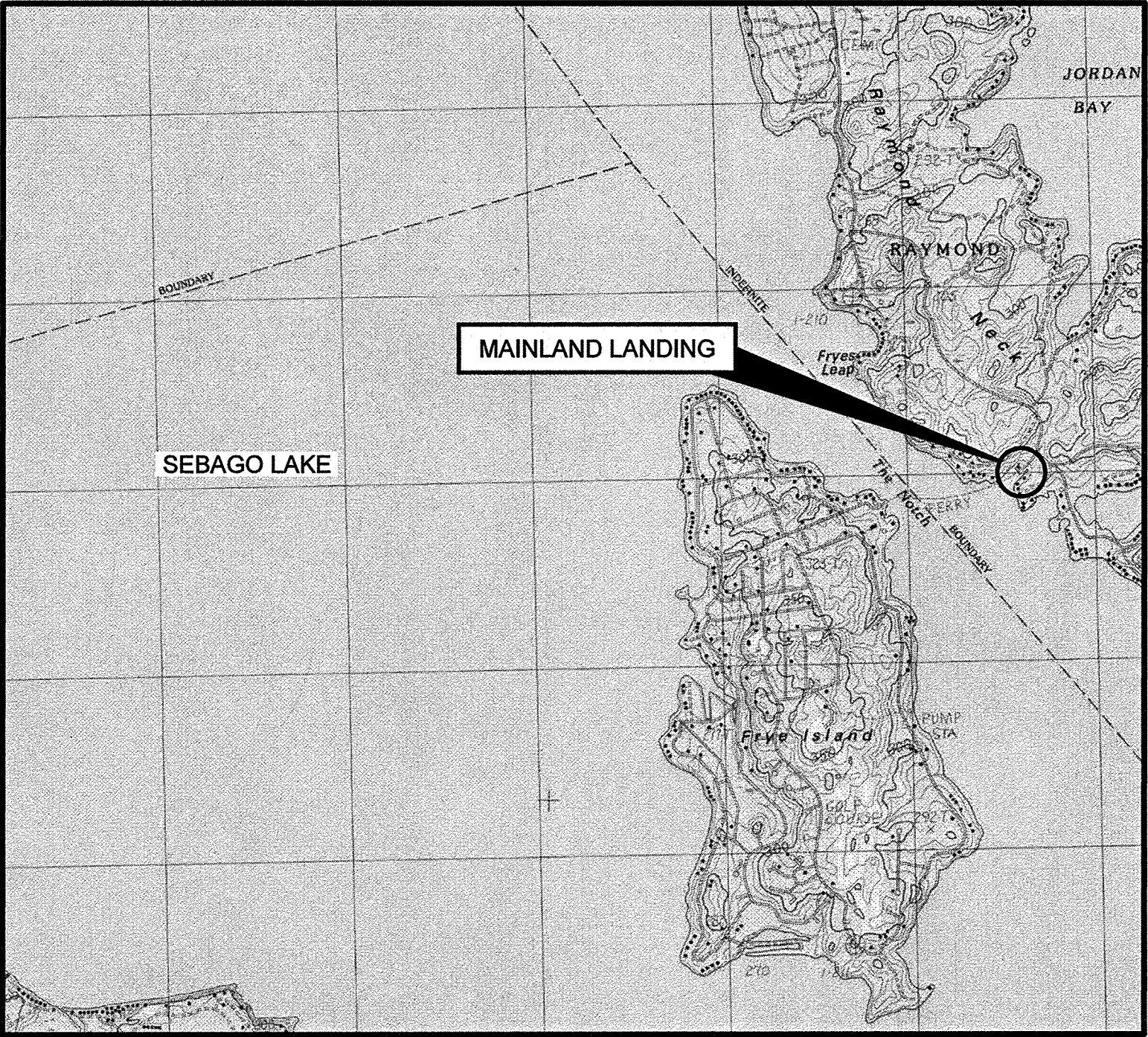


TOWN OF
RAYMOND
CUMBERLAND COUNTY
FRYE ISLAND FERRY LANDING STRUCTURAL REPAIRS
FEDERAL PROJECT NO. 2592100
MAINEDOT WIN: 025921.00



INDEX OF SHEETS

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C-02	3	DEMOLITION PLAN - MAINLAND LANDING DECK
<u>STRUCTURAL</u>		
S-01	4	MAINLAND LANDING DECK REPAIR
S-02	5	MAINLAND LANDING HINGE PLATE REPAIR DETAILS



PROJECT LOCATION:	FRYE ISLAND FERRY LANDING LOCATED IN RAYMOND
PROGRAM AREA:	MULTIMODAL
SCOPE OF WORK:	APRON HINGE PLATE & STRUCTURAL REPAIRS TO MAINLAND FERRY LANDING

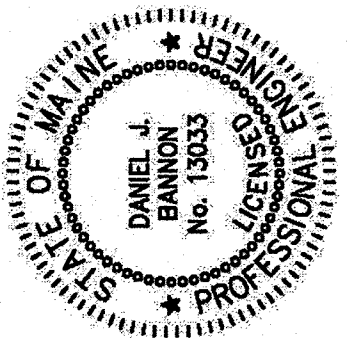
PROJECT FED WIN 2592100

WIN 025921.00

FRYE ISLAND FERRY LANDING
STRUCTURAL REPAIRS

SHEET NUMBER

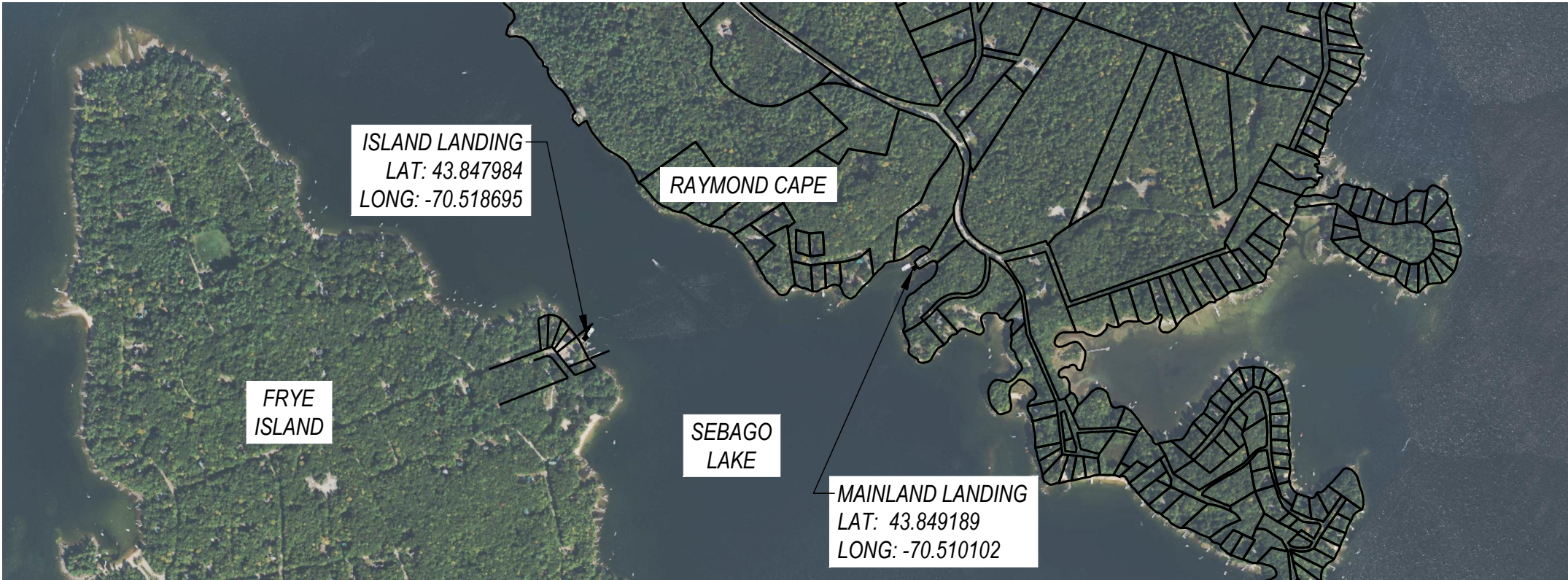
G-01



	SIGNATURE
13033	P.E. NUMBER
September 29, 2023	DATE

PROJECT INFORMATION	
PROGRAM	MULTIMODAL
PROJECT MANAGER	BRIAN KEEZER
DESIGNER	DANIEL BANNON, P.E.
CONSULTANT	GEI CONSULTANTS, INC
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
APPROVED	DATE
COMMISSIONER:	10-12-23
CHIEF ENGINEER:	10-11-2023



MAP KEY

SCALE: 1" = 1000'

NOTES

CODES:

1. MAINE DOT STANDARD SPECIFICATIONS, MARCH 2020 ED. WITH SUPPLEMENTAL SPECIFICATIONS THROUGH NOVEMBER 22, 2022.
2. INTERNATIONAL BUILDING CODE (IBC), 2015 ED.
3. AMERICAN INSTITUTE FOR STEEL CONSTRUCTION (AISC) STEEL CONSTRUCTION MANUAL, 15TH ED.
4. AMERICAN WOOD COUNCIL, NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION, 2015 ED.

SITE EXPOSURE AND DESIGN LOADS:

1. GROUND SNOW LOAD	80 PSF
2. DESIGN WIND SPEED	115 MPH
3. SIGNIFICANT WAVE HEIGHT	3 FT
4. WAVE PERIOD	5.0 S
5. PEDESTRIAN ACCESS	100 PSF
6. PIER DECK	
UNIFORM	250 PSF
VEHICULAR	HS-20

SITE CONTROL AND BASELINES:

1. PROJECT BASE PLAN HAS BEEN DEVELOPED FROM AERIAL PHOTOGRAPHY, FIELD MEASUREMENTS, AND LEGACY DOCUMENTS. DIMENSIONS SHOULD BE CONSIDERED APPROXIMATE AND VERIFIED IN THE FIELD AS NECESSARY TO COMPLETE THE SPECIFIED WORK. CONTRACTOR SHALL NOTE THAT EXISTING STRUCTURE DETAILS, DIMENSIONS, AND LOCATIONS ARE APPROXIMATE. BIDDERS SHALL MAKE THEIR OWN ASSESSMENT OF EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN PROJECT BASELINES AND CONTROL AS REQUIRED TO ENSURE ACCURATE LOCATION OF ALL ELEMENTS OF THE PROJECT.

ELEVATIONS

1. ELEVATIONS ARE REFERENCED TO NGVD29 DATUM UNLESS OTHERWISE NOTED. KEY PROJECT ELEVATIONS ARE LISTED BELOW:

BASE FLOOD ELEVATION (BFE)	268.0 FT (FEMA EFFECTIVE 1981 MAP)
	267.7 FT (FEMA PRELIM. 2017 MAP)
EEL WEIR DAM SPILLWAY (EWDS)	266.7 FT (FERC 2015 LICENSE)
HIGH LAKE LEVEL (TARGET 5/1-6/15) (HLL)	266.0 FT (FERC 2015 LICENSE)
LOW LAKE LEVEL (LLL)	262.0 FT (FERC 2015 LICENSE)
NGVD	0.0 FT

SITE PREPARATION:

1. CONTRACTOR SHALL INSTALL ALL SIGNAGE PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES. INCLUDE PROJECT SIGNAGE, AND FEDERAL AND STATE MANDATED WORK PLACE SIGNAGE.
2. CONTRACTOR SHALL HAVE IN-PLACE TRASH AND SANITARY FACILITIES.
3. DISCOVERY OF INCONSISTENT SITE INFORMATION OR CONDITIONS ARE TO BE IMMEDIATELY CONVEYED TO THE DEPARTMENT AND RESIDENT PRIOR TO COMMENCING OR CONTINUING CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY DIGSAFE PRIOR TO COMMENCING ANY WORK.
5. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITIES AS MAY BE REQUIRED. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES OCCURRING AS A RESULT OF THE CONTRACTOR'S FAILURE TO LOCATE AND PROTECT UNDERGROUND UTILITIES. ALL REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING UTILITIES AND DRAINAGE AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AND RESTORE TO THE PRE-EXISTING CONDITION AT NO COST TO THE DEPARTMENT.
7. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND SHALL PERFORM THE WORK IN A MANNER THAT AVOIDS DAMAGE TO EXISTING STRUCTURES. STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, BUILDINGS, PIERS, BULKHEADS, FLOATS, PIER UTILITIES AND FIXTURES, AND RIPRAP SLOPES. CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. CONTRACTOR SHALL SUPPLY ALL NECESSARY TEMPORARY UTILITIES FOR CONSTRUCTION INCLUDING, BUT NOT LIMITED TO; WATER, POWER, LIGHTING, DATA, AND TELEPHONE.
9. CONTRACTOR SHALL READ AND UNDERSTAND ALL REGULATORY CONDITIONS ASSOCIATED WITH THE PROJECT AND SHALL COMPLY WITH ALL ENVIRONMENTAL REQUIREMENTS AND PERMIT CONDITIONS.

HEAVY TIMBER

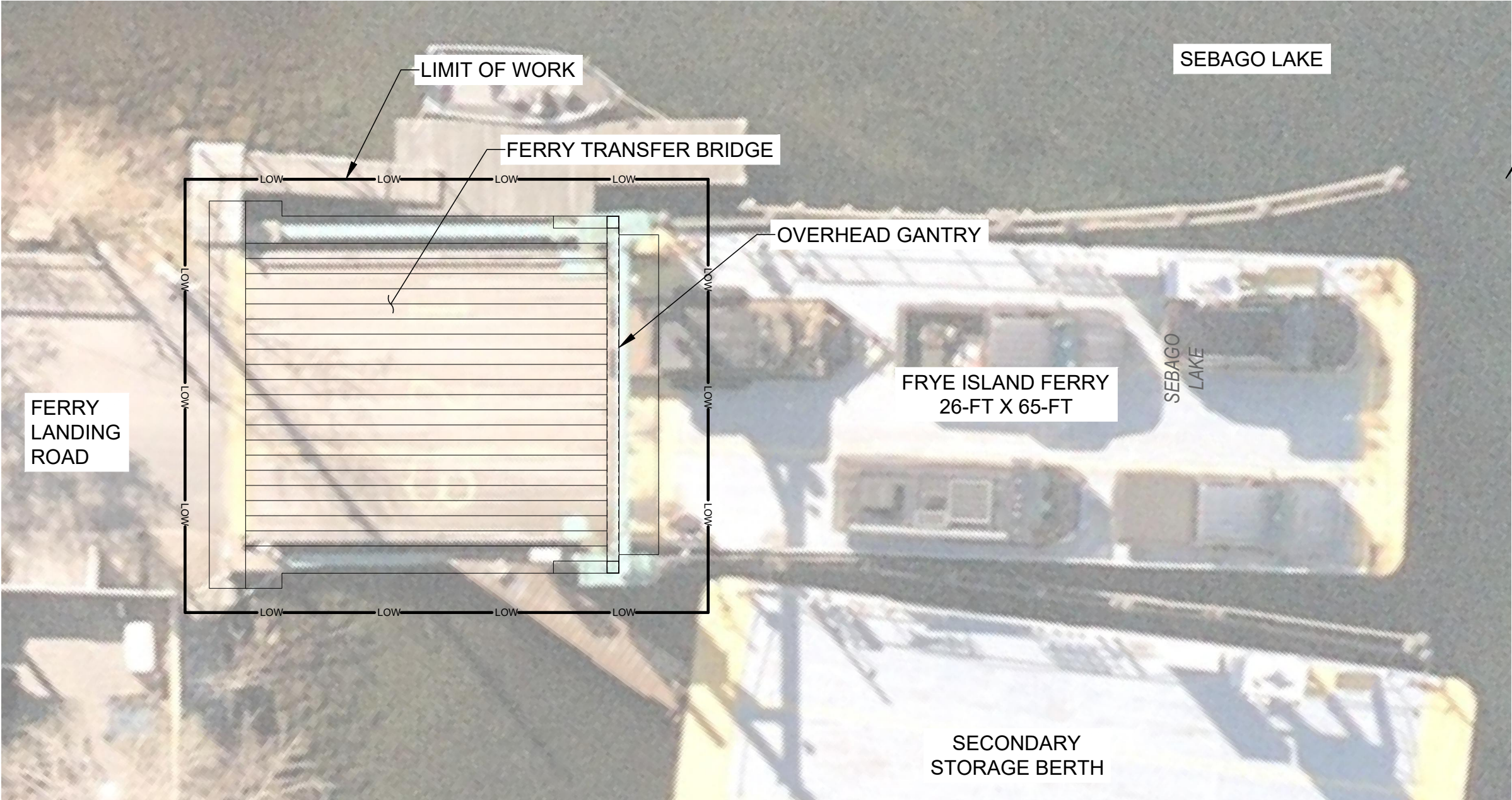
1. ALL EXPOSED EDGES SHALL BE PLANED OR SANDED TO PROVIDE SMOOTH SURFACE FREE OF ROUGH EDGES OR DEFECTS.
2. ALL EXPOSED FASTENERS SHALL BE COUNTERSUNK.
3. DOCK WASHERS SHALL BE PROVIDED BENEATH NUT AND BOLT HEAD OF ALL TIMBER BOLTED CONNECTIONS. TIMBER BOLTS SHALL BE CONSIDERED AN ACCEPTABLE ALTERNATIVE TO HEX HEADED BOLTS WITH DOCK WASHERS.
4. STANDARD WASHERS SHALL BE PERMISSIBLE WHERE CONNECTED PARTS INCLUDE STEEL PLATES, ANGLES, BRACKETS, OR BACKER PLATES.

STEEL

1. STEEL FABRICATIONS AND FASTENERS SHALL COMPLY WITH SPECIAL PROVISION SECTION 504 (MISC. FABRICATION - STEEL HINGE PLATES), AND APPLICABLE SECTIONS OF MAINE STANDARD SPECIFICATION 2020 AND ALL UPDATES.

COATINGS

1. ALL MATERIALS SHALL BE COATED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF MAINE STANDARD SPECIFICATION 2020 AND ALL UPDATES.



PLAN

MAINLAND LANDING

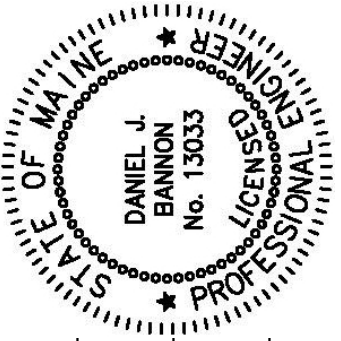
SCALE: 1" = 10'

FRYE ISLAND FERRY LANDING
STRUCTURAL REPAIRS

EXISTING PLAN AND GENERAL NOTES

SHEET NUMBER

C-01



SIGNATURE
P.E. NUMBER
DATE

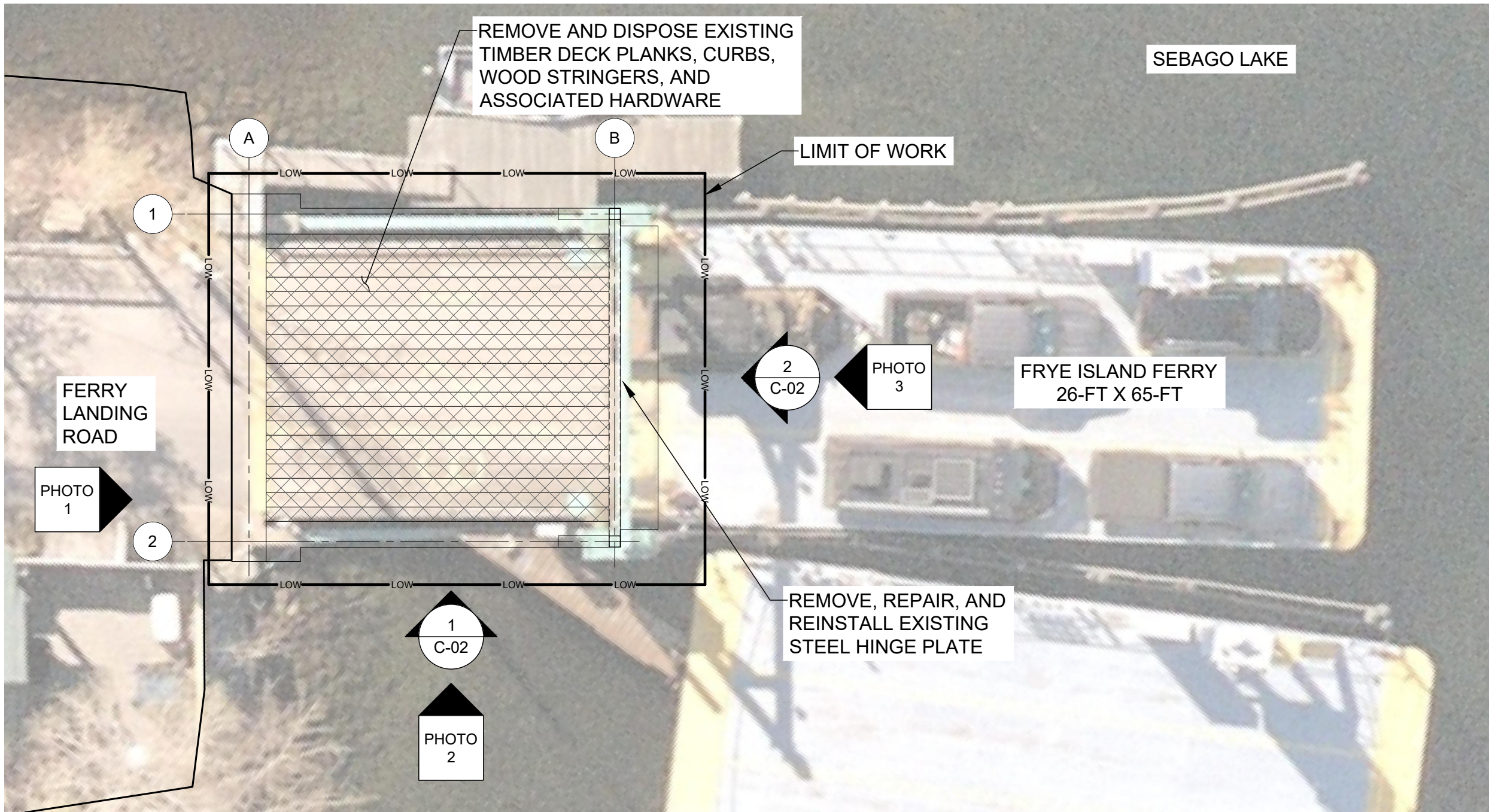
PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

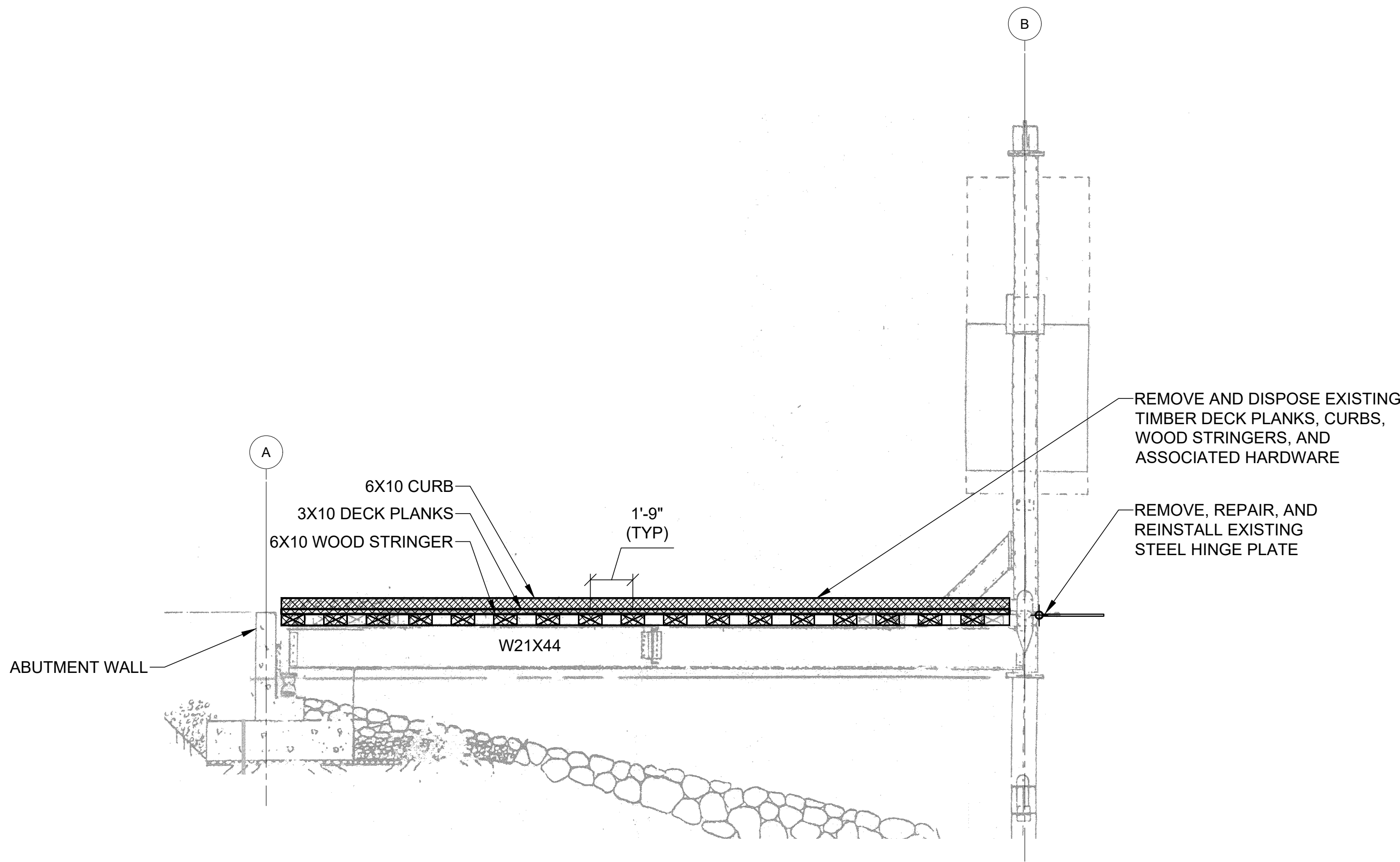
2592100

WIN
025921.00

MULTIMODAL



PLAN
MAINLAND LANDING SCALE: 1" = 10'



1 ELEVATION
C-02 MAINLAND LANDING OUTBOARD OF LANDING SCALE: 1" = 5'



PHOTO 1



PHOTO 2

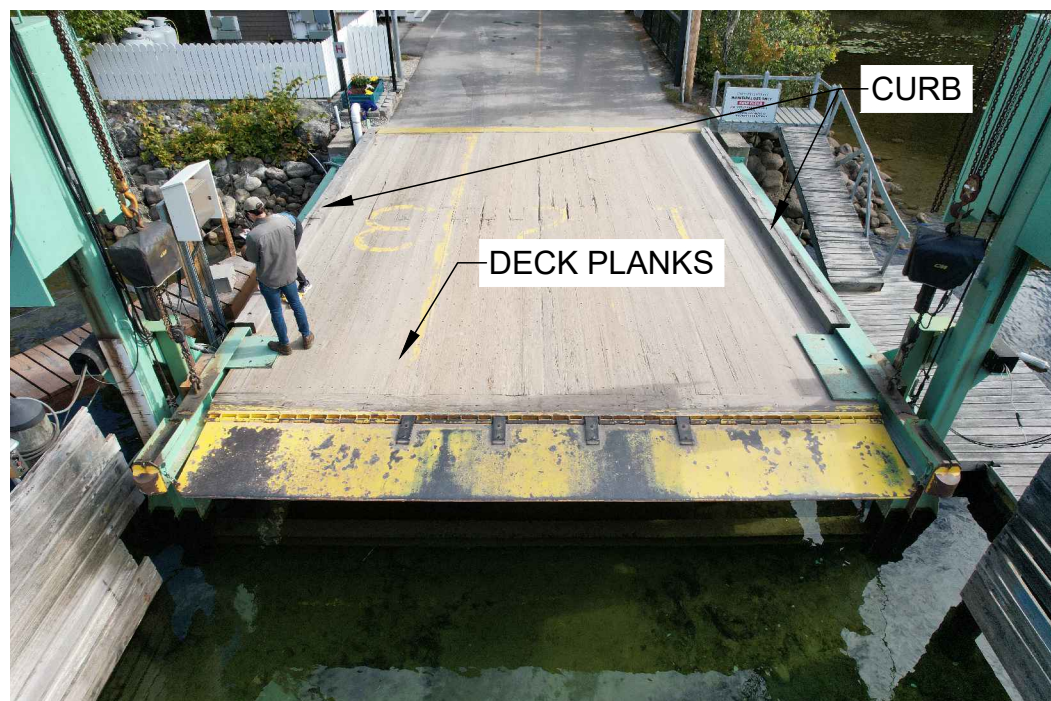
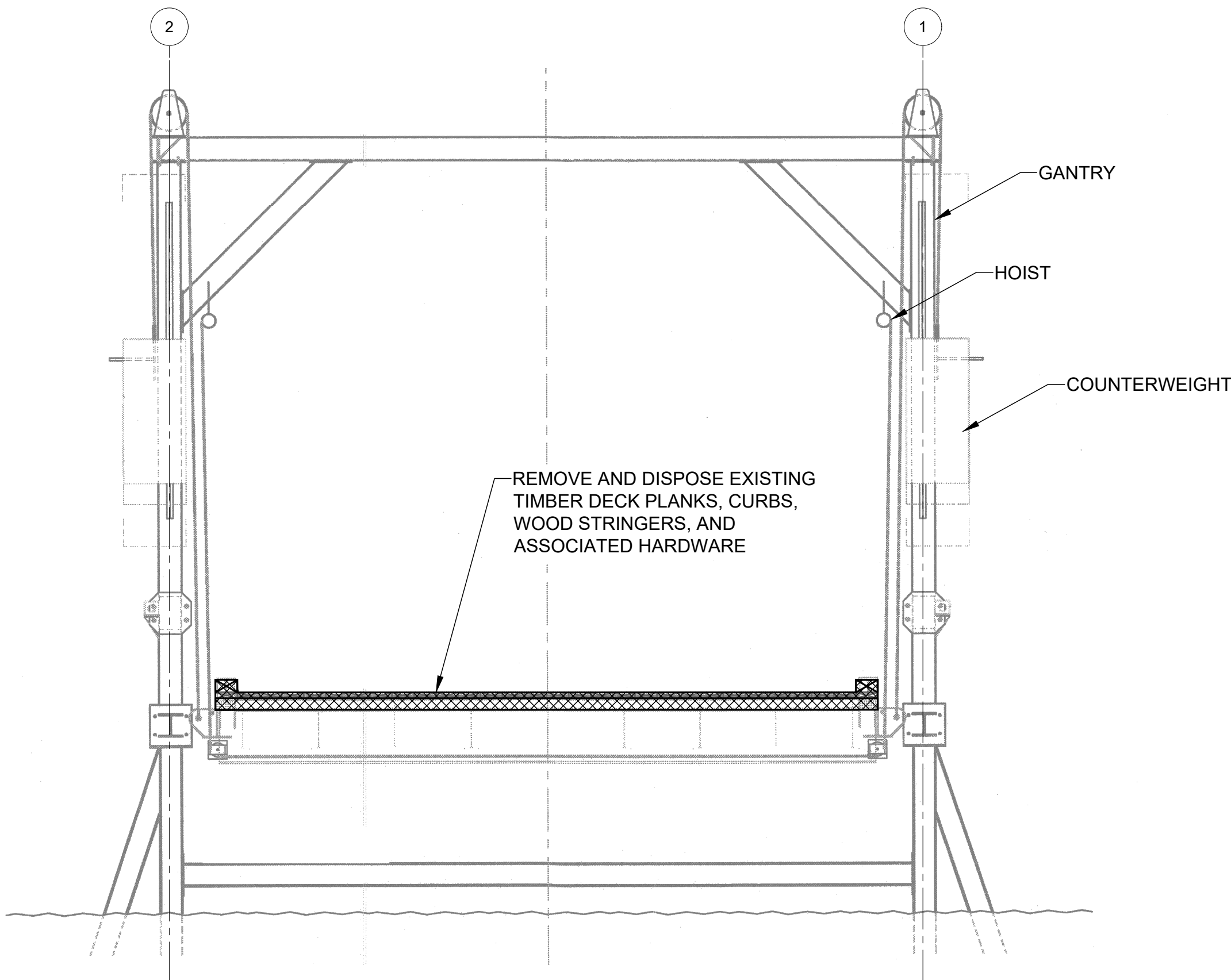


PHOTO 3



2 ELEVATION
C-02 MAINLAND LANDING OUTBOARD OF GANTRY SCALE: 1" = 5'

MAINLAND LANDING DEMOLITION NOTES:

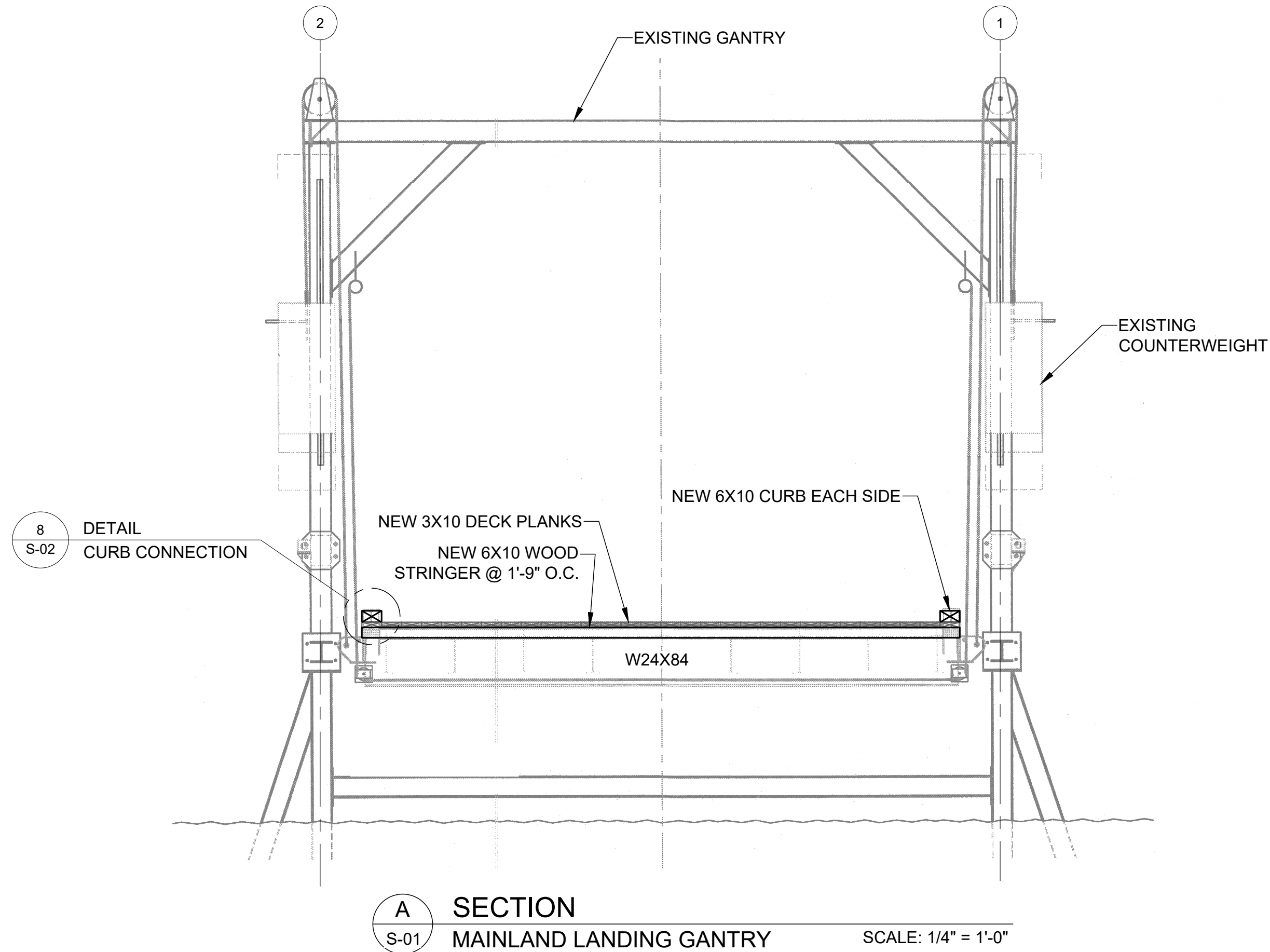
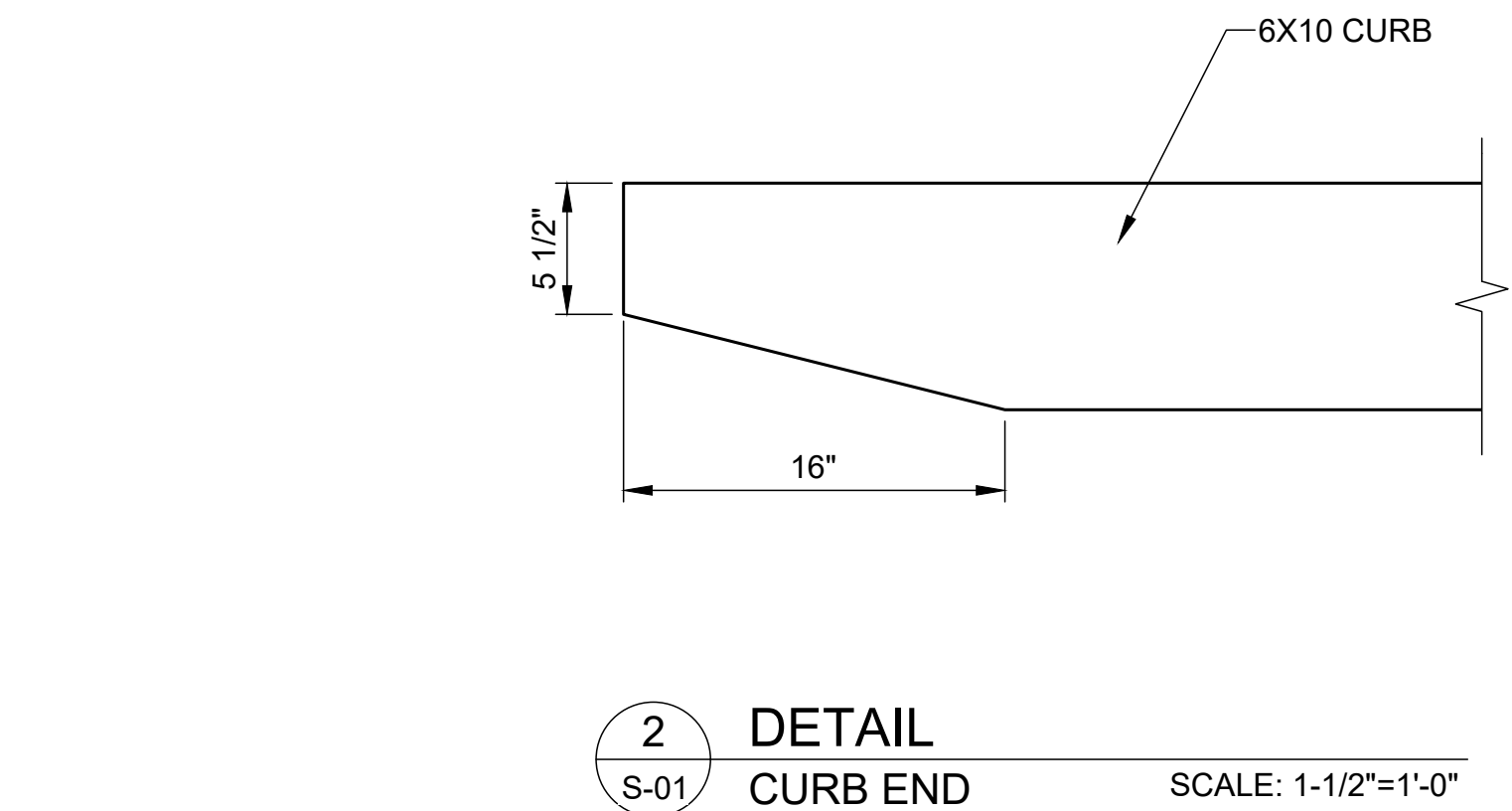
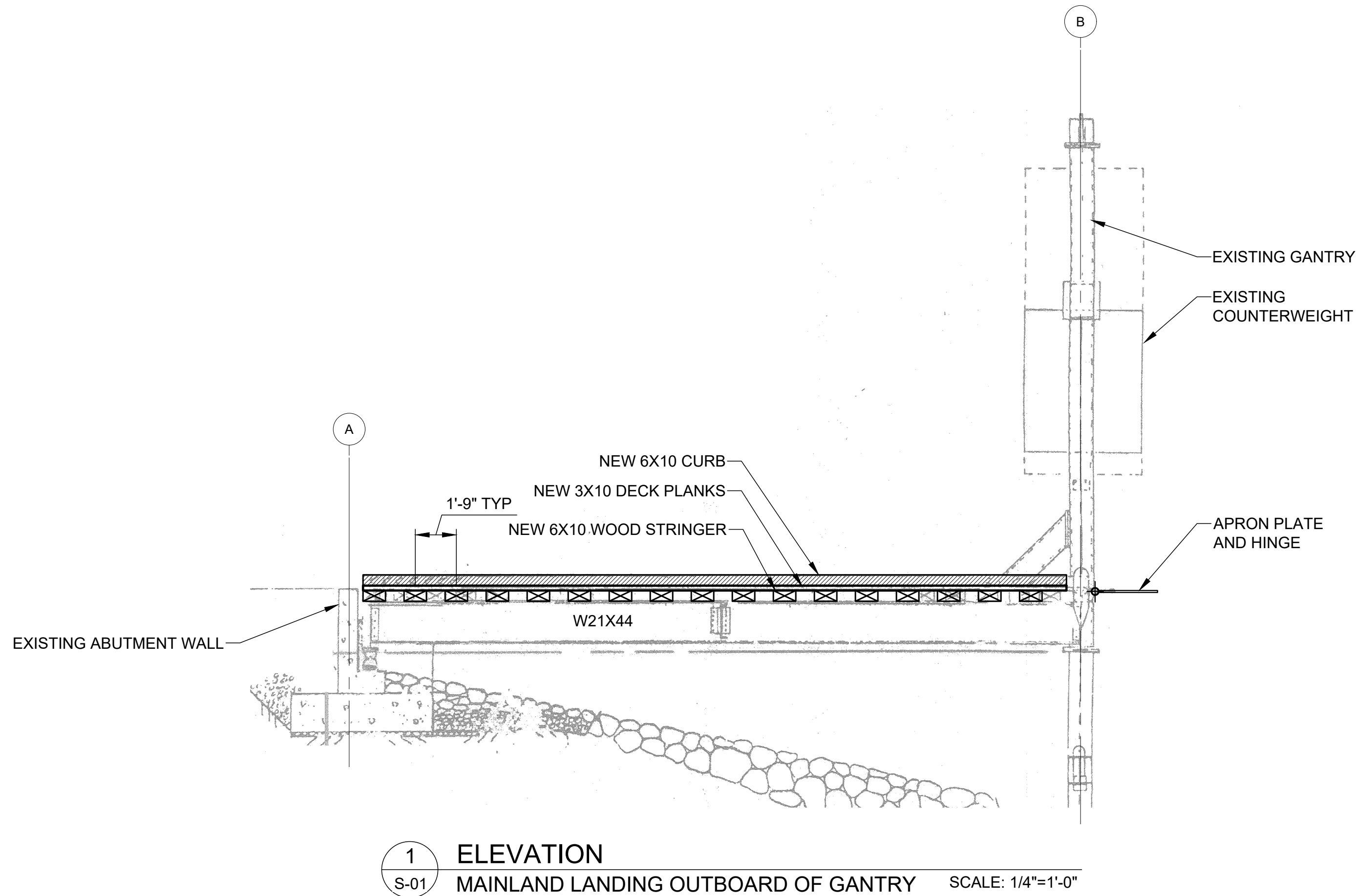
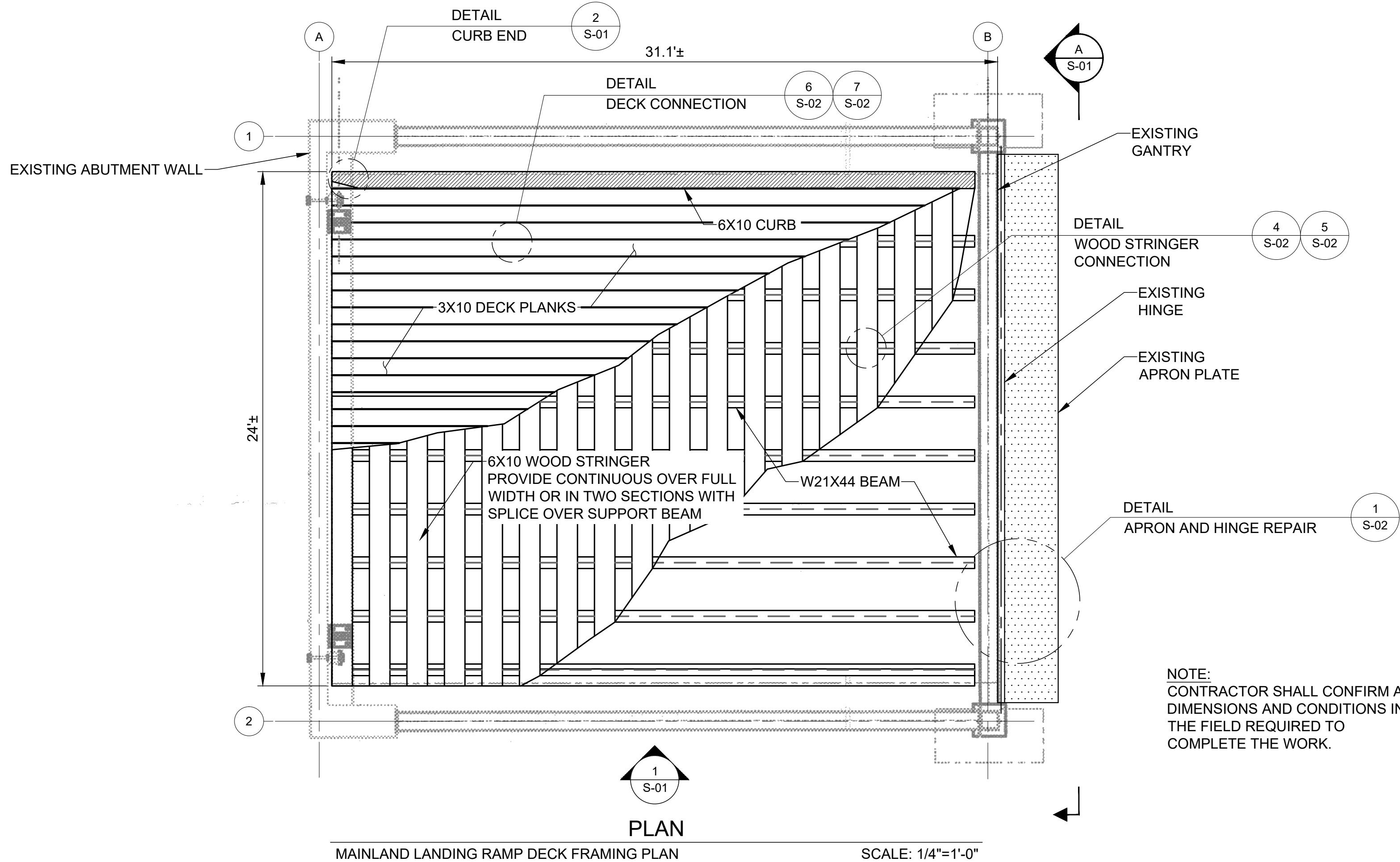
1. PROTECT EXISTING STRUCTURES TO PREVENT DAMAGE DURING DEMOLITION ACTIVITIES. ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
2. LOOSE DEBRIS SHALL NOT BE ALLOWED TO FALL INTO THE WATER.
3. ALL DEMOLITION ACTIVITIES SHALL BE COMPLETED IN CONFORMANCE WITH APPLICABLE LAWS AND RULES, AND PROJECT REGULATORY PERMITS.
4. DISPOSAL OF DEMOLITION DEBRIS SHALL BE AT A LICENSED DISPOSAL FACILITY. BURNING OF TIMBER SHALL NOT BE ALLOWED.
5. UPON REMOVAL OF TIMBER CURBS, DECK, STRINGERS, STEEL BEAMS SHALL BE INSPECTED BY RESIDENT TO DETERMINE WHETHER ADDITIONAL REPAIRS ARE REQUIRED PRIOR TO REINSTALLATION OF TIMBER COMPONENTS.
6. PHOTOGRAPHS ARE PROVIDED ONLY AS A GENERAL REFERENCE OF EXISTING CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING EXISTING CONDITIONS IN THE FIELD AS REQUIRED TO PERFORM DEMOLITION ACTIVITIES IN CONFORMANCE WITH THE PLANS, SPECIFICATIONS, AND REGULATORY CONDITIONS.

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
2592100	
WIN	025921.00
MULTIMODAL	

STATE OF MAINE DEPARTMENT OF TRANSPORTATION ENGINEER DANIEL J. BROWN No. 13033 LICENSED PROFESSIONAL	SIGNATURE P.E. NUMBER DATE	DATE BY BRIAN KEEZER BRIAN KEEZER DESIGN-DETAILED CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES
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FRYE ISLAND FERRY LANDING STRUCTURAL REPAIRS	DEMOLITION PLAN - MAINLAND LANDING DECK
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SHEET NUMBER C-02



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2592100		WIN 025921.00		MULTIMODAL	
		SIGNATURE		P.E. NUMBER		DATE	
		10/18/2023		13033		OCTOBER 18, 2023	
PROJECT: FRYE ISLAND FERRY LANDING STRUCTURAL REPAIRS		PROJ. MANAGER		BY		DATE	
MAINLAND LANDING DECK REPAIR		BRIAN KEIZER					
SHEET NUMBER		DESIGN-DETAILED		CHECKED-REVIEWED		DESIGN-DETAILED	
S-01		1		1		1	
4 OF 5		REVISIONS 1		REVISIONS 2		REVISIONS 3	
		REVISIONS 4		REVISIONS 5		REVISIONS 6	
		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

Filename: -



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