

Prepared for The:

NEW BEDFORD HARBOR DEVELOPMENT COMMISSION NEW BEDFORD WATERFRONT COAST GUARD PARK NEW BEDFORD, MASSACHUSETTS MAY 2014

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LOCUS PLAN
SCALE: 1" = 2000'



AERIAL PLAN
SCALE: 1" = 400'

Prepared by:

PARE CORPORATION
Foxboro, Massachusetts



GENERAL NOTES:

- FOR THE PURPOSE OF THIS PROJECT
OWNER – NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
52 FISHERMAN'S WHARF
NEW BEDFORD, MA 02740
ENGINEER – PARE CORPORATION
10 LINCOLN ROAD, SUITE 103
FOXBORO, MA 02035
CONTACT – KARL W. HAMMOND, P.E.
- ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE MASSACHUSETTS STATE BUILDING CODE, ALL FEDERAL AND MUNICIPAL BUILDING CODES, AND THE SPECIFICATIONS INCLUDED IN THIS CONTRACT. THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE BASE PLAN WAS DEVELOPED BASED UPON SURVEY PERFORMED BY PARE CORPORATION OF FOXBORO, MA ON JANUARY 30, 2014. ANY DISCREPANCIES ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
- INFORMATION REGARDING THE LOCATION OF SURROUNDING STRUCTURES AND UTILITIES IS FURNISHED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL CONDUCT ITS OWN INDEPENDENT EXAMINATION OF SITE CONDITIONS FOR THE PURPOSE OF BIDDING, FABRICATION, AND CONSTRUCTION ASSOCIATED WITH THE PROJECT. ANY RELIANCE UPON INFORMATION MADE AVAILABLE BY THE OWNER OR THE ENGINEER SHALL BE AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.
- CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
- NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
- THE VERTICAL DATUM IS M.L.W. FOR THE PROJECT. CONTRACTOR SHALL ESTABLISH HORIZONTAL AND VERTICAL CONTROL AS REQUIRED TO ENABLE COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH MASSACHUSETTS, LOCAL, AND FEDERAL LAWS.
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGE TO ADJACENT STRUCTURES AND UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY ADDITIONAL UTILITIES, STRUCTURES, OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S ENGINEER.
- THE CONTRACTOR SHALL FOLLOW ALL OSHA, FEDERAL, STATE, AND LOCAL STANDARDS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY PROCEDURES AND PRACTICES REGARDLESS OF THE PRESENCE OF THE OWNER OR ENGINEER.
- ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE LIMITS OF WORK AND TEMPORARY EASEMENTS DEFINED HEREIN.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER WITHIN 5 DAYS OF THE NOTICE OF AWARD. THE CONTRACTOR SHALL UPDATE SCHEDULE AS NEEDED THROUGHOUT THE COURSE OF WORK.
- THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL GREASING AND REFUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREA. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT BY ANY METHOD, OIL, CONSTRUCTION DEBRIS, STOCKPILED MATERIALS, AND OTHER MATERIALS ON THE SITE, FROM ENTERING THE WATERWAY. STAGING/LAYDOWN AREAS, AS APPROVED BY THE ENGINEER, SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION. IN ADDITION, THE CONTRACTOR SHALL REPLACE ALL DAMAGED MATERIALS AS A RESULT OF HIS OPERATIONS, TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER. ANY DEBRIS FALLING INTO THE WATER SHALL BE RECOVERED AND PROPERLY DISPOSED OF.
- THE CONTRACTOR SHALL MAINTAIN A SECURE SITE AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS. THE SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.
- IN CASE OF CONTRADICTION BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGE IS REQUIRED, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- UPON COMPLETION OF THE PROJECT, CONTRACTOR IS TO PROVIDE TWO AS-BUILT PLAN SETS TO THE OWNER DEPICTING ANY FIELD CHANGES OF DIMENSION OR DETAIL, LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES, CONSTRUCTION DEVIATIONS, CHANGES DUE TO FIELD OR CHANGE ORDER, AND DETAILS NOT ON THE ORIGINAL DRAWINGS.

DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO ANY DEMOLITION OR CONSTRUCTION. ANY DISCREPANCIES RELATING TO THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR TO BE AWARE OF SELECTIVE DEMOLITION AT ALL SECTIONS OF WORK. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT IN-KIND OF ALL WORK INADVERTENTLY REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL REMOVE ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS WITH CARE AND NOT TO DAMAGE ADJACENT STRUCTURES. THE WORK AREA WILL BE LEFT READY TO RECEIVE NEW WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSITE DISPOSAL OF ALL PROJECT DEMOLITION MATERIAL, TRASH, AND DEBRIS IN ACCORDANCE WITH LOCAL AND STATE LAWS.
- REFER TO SPECIFICATION SECTION 02050-"DEMOLITION AND REMOVAL" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

LUMBER NOTES:

- ALL NEW LUMBER SHALL BE SOUTHERN YELLOW PINE NO. 1 OR BETTER (lb=1,200 PSI).
- NEW LUMBER SHALL BE PRESSURE TREATED TO A MINIMUM NET RETENTION OF 0.6 PCF OF CCA IN ACCORDANCE WITH AWPA STANDARD C18.
- ALL FIELD CUTS AND BOLT HOLES SHALL BE PROTECTED IN ACCORDANCE WITH AWPA STANDARD M4.
- LUMBER DIMENSIONS PROVIDED IN THE PLANS ARE DRESSED SIZES UNLESS SPECIFIED OTHERWISE.

GENERAL SCOPE OF WORK

- PRIOR TO PROJECT COMMENCEMENT, NOTIFY AND COORDINATE WITH ALL STATE, LOCAL AND FEDERAL AUTHORITIES AS REQUIRED. DETERMINE TEMPORARY LOCATIONS AND COORDINATE TEMPORARY RELOCATION OF EXISTING VESSELS AS NECESSARY IN ORDER TO PERFORM CONSTRUCTION OPERATIONS.
- MOBILIZE CONSTRUCTION EQUIPMENT AND PERSONNEL TO THE SITE. UTILIZATION OF OFFSITE STAGING AREA WILL BE COORDINATED WITH THE NEW BEDFORD HARBOR DEVELOPMENT COMMISSION AS APPROPRIATE AND AS NECESSARY. WATERSIDE BARGE OPERATIONS SHALL BE COORDINATED WITH THE NEW BEDFORD HARBOR DEVELOPMENT COMMISSION AND THE USCG.
- REMOVE AND PROTECT FOR REUSE ALL SIGNAGE, BENCHES, BOLLARD, AND CHAIN.
- REMOVE ALL TIMBER DECKING, CURBING, STRINGERS, AND PILE CAPS. EXISTING TIMBER STRINGERS SHALL BE STOCKPILED AND PROTECTED FOR REUSE. ALL DECKING, CURB, AND PILE CAPS SHALL BE PROPERLY DISPOSED OF.
- REMOVE AND DISPOSE OF EXISTING STAIRS CURRENTLY PROVIDING ACCESS TO THE ERNESTINA. EXISTING GANGWAY SHALL BE REMOVED AND PROTECTED FOR REUSE.
- REMOVE EXISTING TIMBER PILES AS INDICATED ON THE DRAWINGS.
- INSTALL NEW TIMBER PILE CAPS, STRINGERS, DECKING, AND CURBING AS INDICATED ON THE DRAWINGS.
- RECONSTRUCT TIMBER STAIRS AND LANDING FOR THE ERNESTINA FLOATS. REATTACH THE EXISTING GANGWAY.
- REINSTALL EXISTING BOLLARD AND CHAIN, AND EXISTING SIGNAGE ON THE NEW TIMBER CURB.
- INSTALL NEW CONCRETE SLABS AND REINSTALL EXISTING BENCHES.
- PERFORM SITE CLEANUP AND RE-SEEDING OF AREAS AS NECESSARY. PERFORM FINAL WALK THROUGH WITH KEY PROJECT PERSONNEL UPON COMPLETION.
- COMPLETE DEMOBILIZATION AND PROJECT CLOSEOUT.

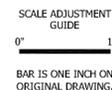
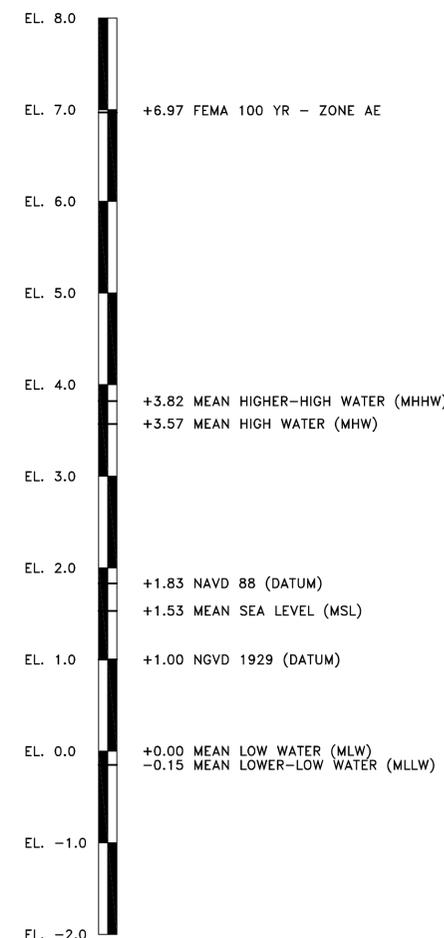
LEGEND

EXISTING		PROPOSED
	TREELINE	
	CONTOUR 1'	
	CONTOUR 5'	
	EDGE OF WATER	
	HAYBALES	
	SILT FENCE	
	PROPERTY LINE	
	WETLAND FLAGS	
	SPOT ELEVATION	
	SOUNDING ELEVATION	
	BORING LOCATION	

ABBREVIATIONS

- REMOVE & DISPOSE
- LIMIT OF DISTURBANCE
- REMOVE & RESET
- MLW = MEAN LOW WATER

TIDAL REFERENCE



**NEW BEDFORD WATERFRONT
 COAST GUARD PARK
 WALKWAY REHABILITATION**
 NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
 NEW BEDFORD, MASSACHUSETTS

REVISIONS:

PROJECT NO.:	14108.00
DATE:	MAY 2014
SCALE:	AS NOTED
DESIGNED BY:	RM/LP
CHECKED BY:	KWH
DRAWN BY:	LMC/JHG
APPROVED BY:	KWH

NOTES AND LEGEND

SHEET NO.:

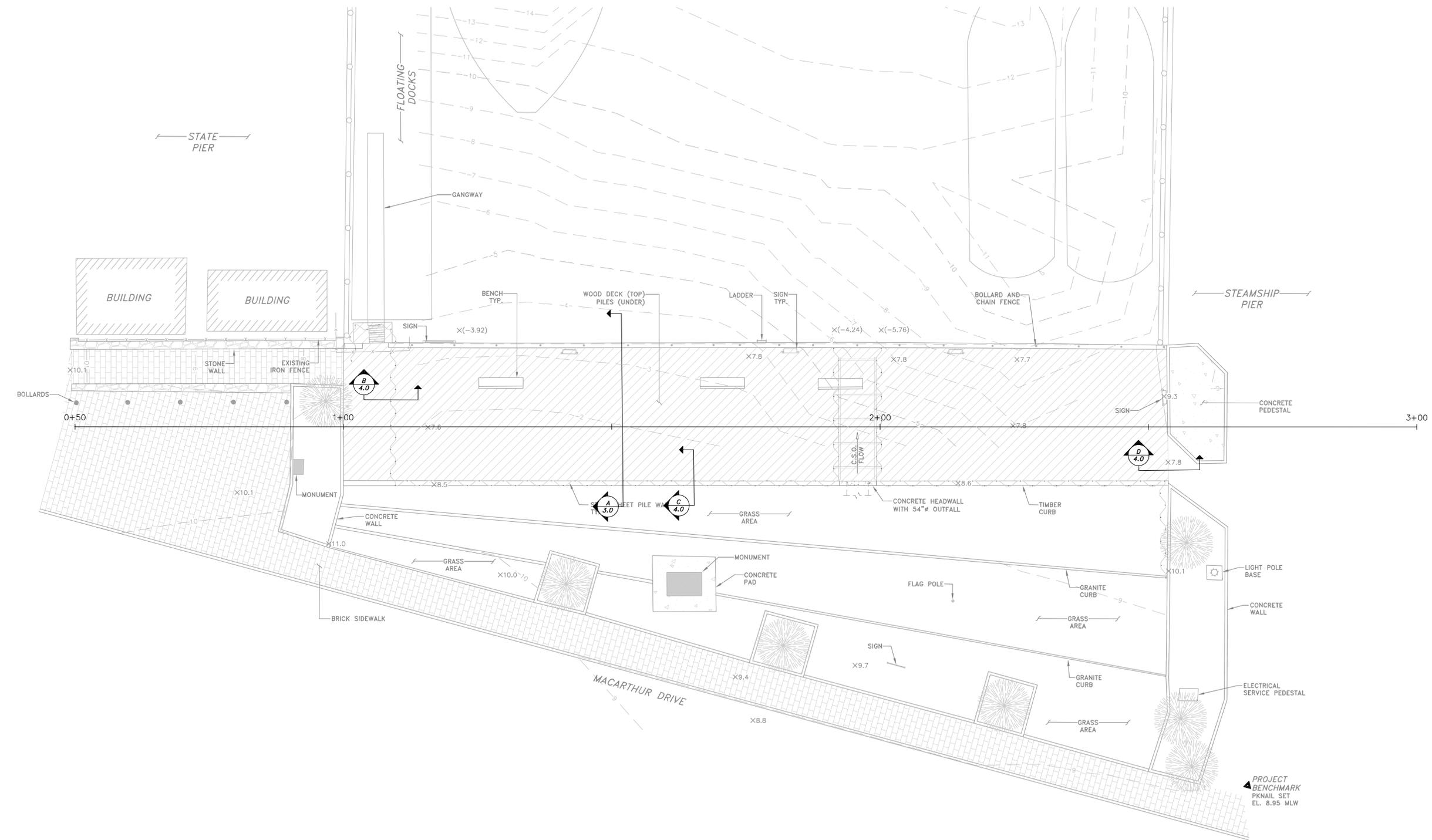
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**NEW BEDFORD WATERFRONT
COAST GUARD PARK
WALKWAY REHABILITATION**
NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
NEW BEDFORD, MASSACHUSETTS

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EXISTING
CONDITIONS PLAN
SHEET NO.:
2.0



EXISTING CONDITIONS PLAN
SCALE: 1"=10'

Z:\0085\14 Jobs\14108.00 NBHD Coast Guard Park Walkway Repairs\Drawings\2.0 - Existing Conditions Plan.dwg



PARE CORPORATION
 ENGINEERS - SCIENTISTS - PLANNERS
 10 LINCOLN ROAD, SUITE 103
 FOXBORO, MA 02035
 508-543-1735

SCALE ADJUSTMENT
 GUIDE
 0" 1"
 BAR IS ONE INCH ON
 ORIGINAL DRAWING.

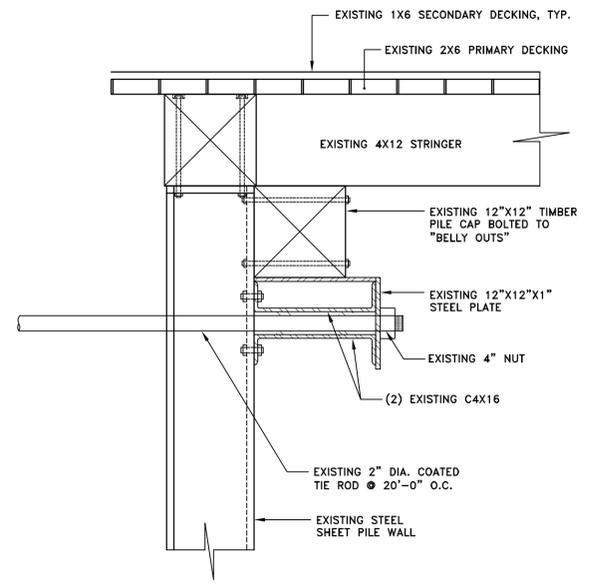
**NEW BEDFORD WATERFRONT
 COAST GUARD PARK
 WALKWAY REHABILITATION**
 NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
 NEW BEDFORD, MASSACHUSETTS

REVISIONS:	

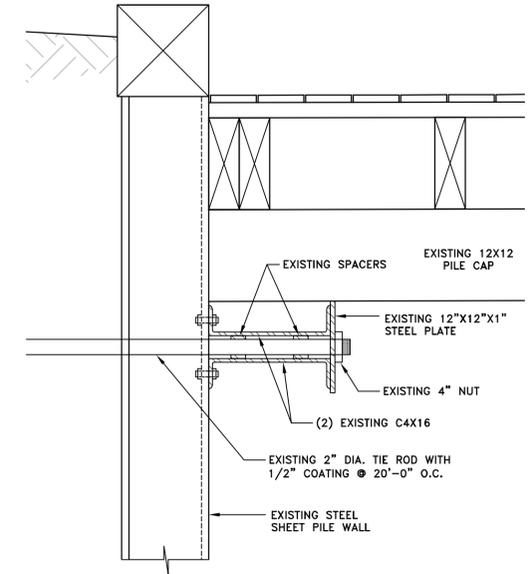
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EXISTING SECTIONS
 AND DETAILS

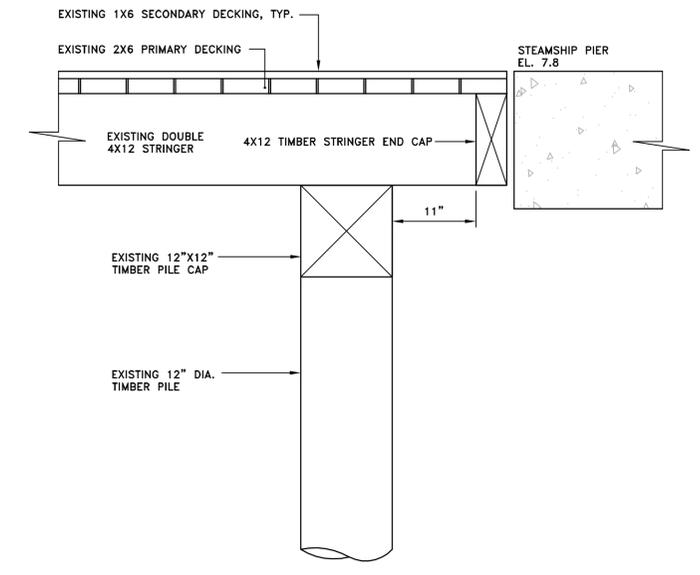
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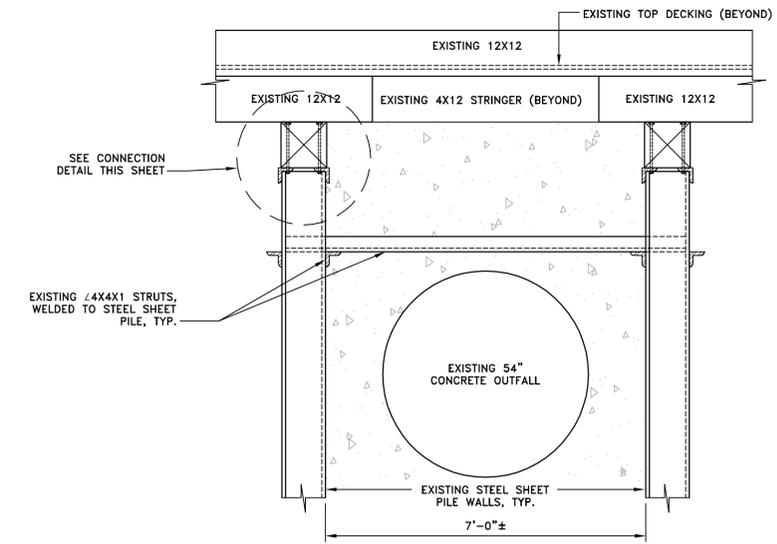
EXISTING SECTION B
 SCALE: 1"=1'



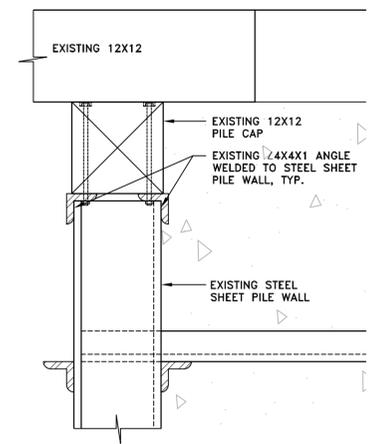
EXISTING SECTION C
 SCALE: 1"=1'



EXISTING SECTION D
 SCALE: 1"=1'



EXISTING ELEVATION AT CONCRETE OUTFALL
 SCALE: 1"=2'



EXISTING CONNECTION DETAIL
 SCALE: 1"=1'

Z:\005\14 Jobs\14108.00 NBRDC Coast Guard Park Walkway Repairs\Drawings\4.0 - Existing Sections and Details.dwg

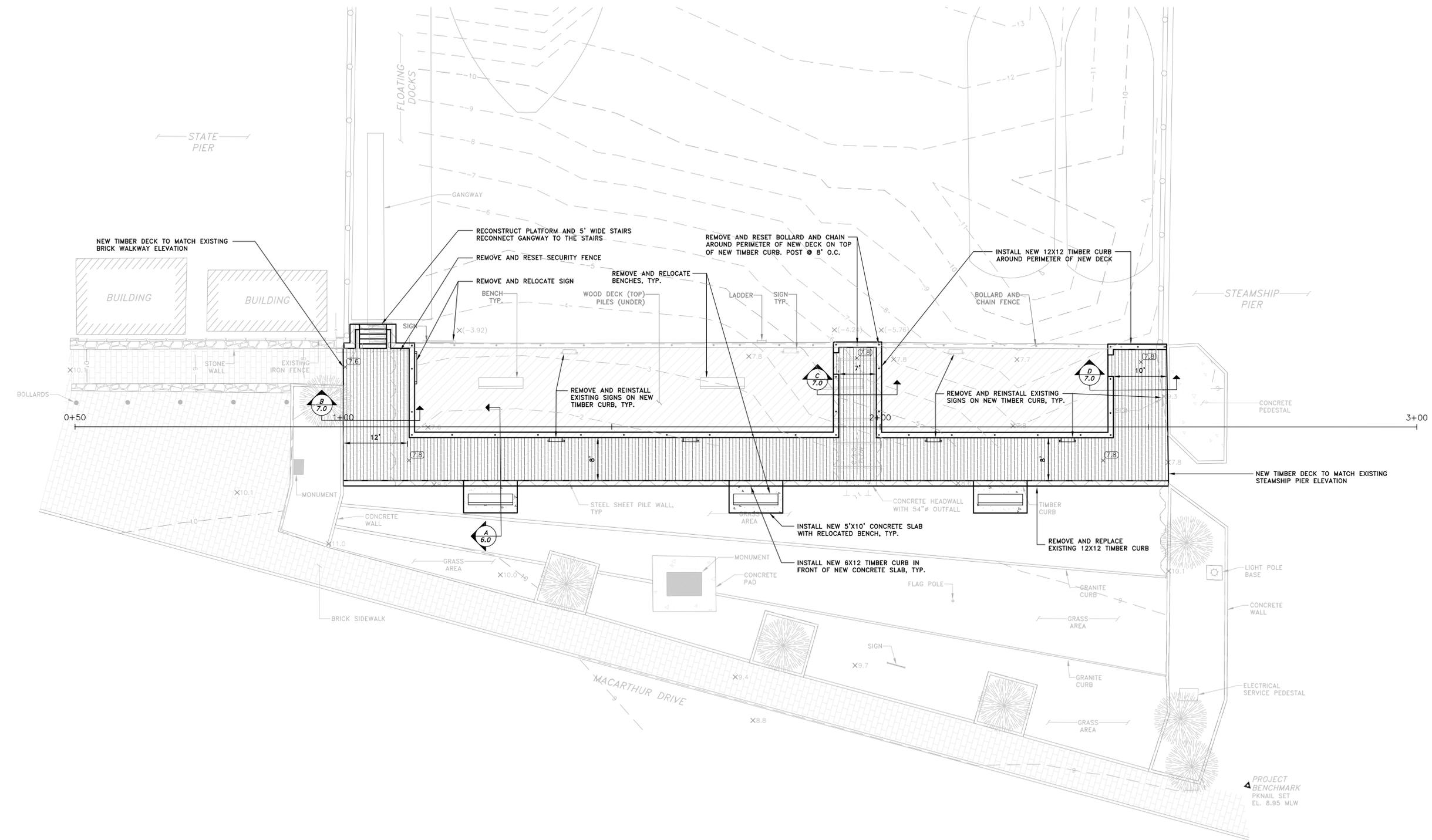
**NEW BEDFORD WATERFRONT
COAST GUARD PARK
WALKWAY REHABILITATION**
NEW BEDFORD HARBOR DEVELOPMENT COMMISSION
NEW BEDFORD, MASSACHUSETTS

REVISIONS:	

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DRAWN BY:	LMC/JHG
APPROVED BY:	KWH

PROPOSED
SITE PLAN

SHEET NO.:
5.0

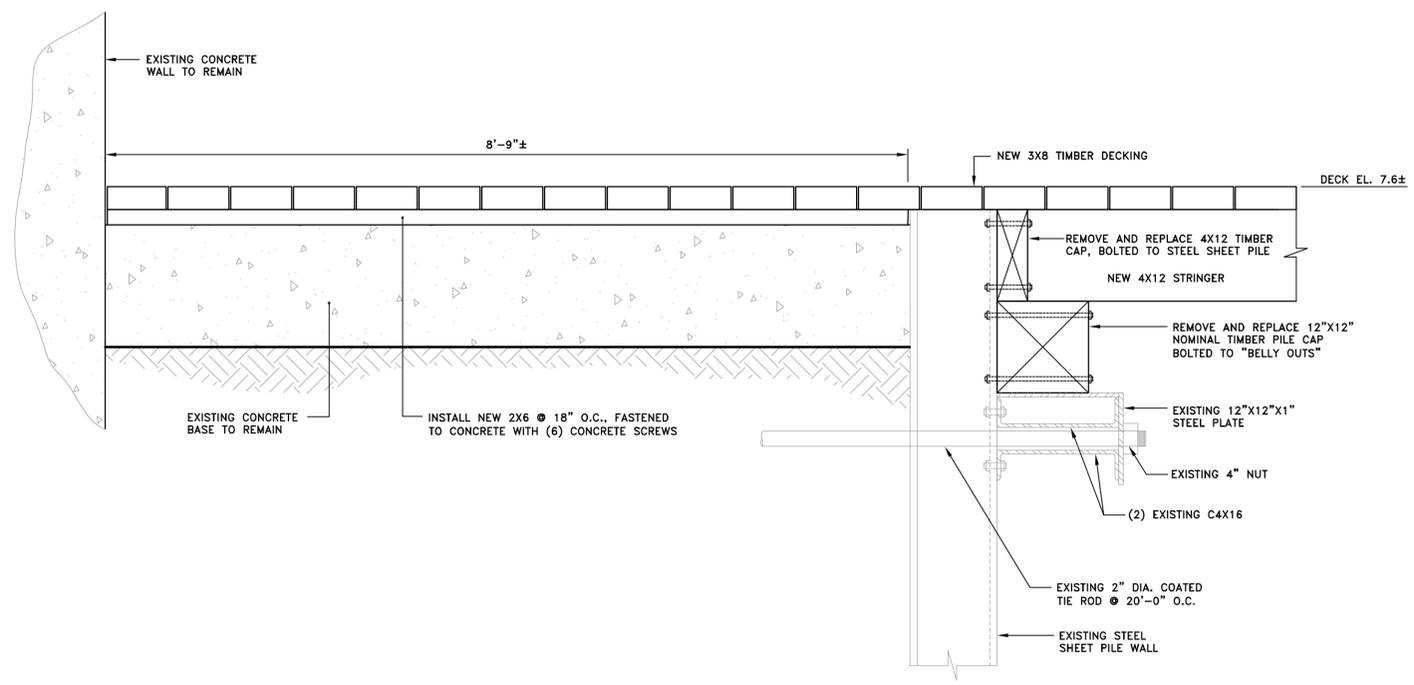


PROPOSED SITE PLAN
SCALE: 1"=10'

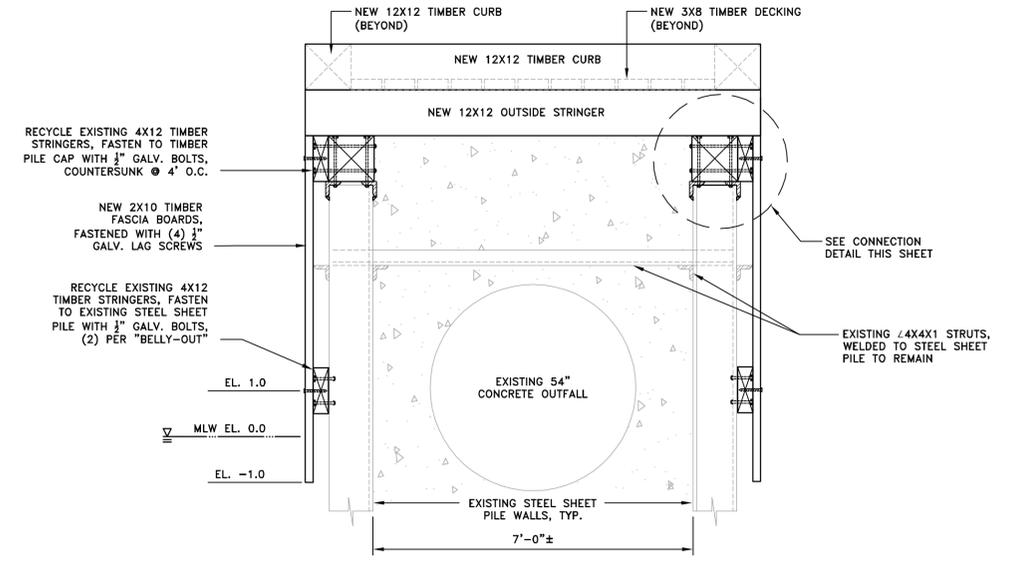
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REVISIONS:	

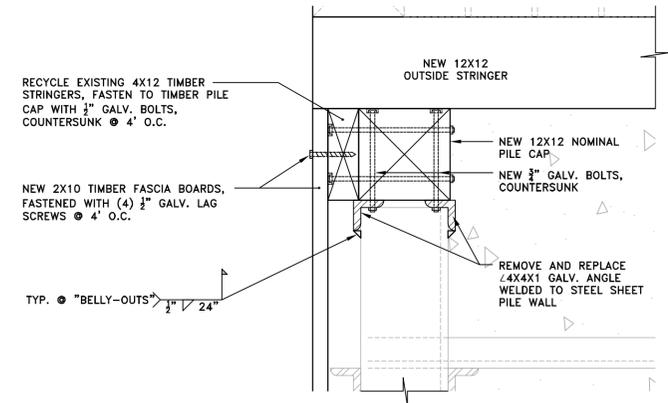
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DATE:	MAY 2014
SCALE:	AS NOTED
DESIGNED BY:	RM/LP
CHECKED BY:	KWH
DRAWN BY:	LMC/JHG
APPROVED BY:	KWH
PROPOSED SECTIONS AND DETAILS	
SHEET NO.:	7.0



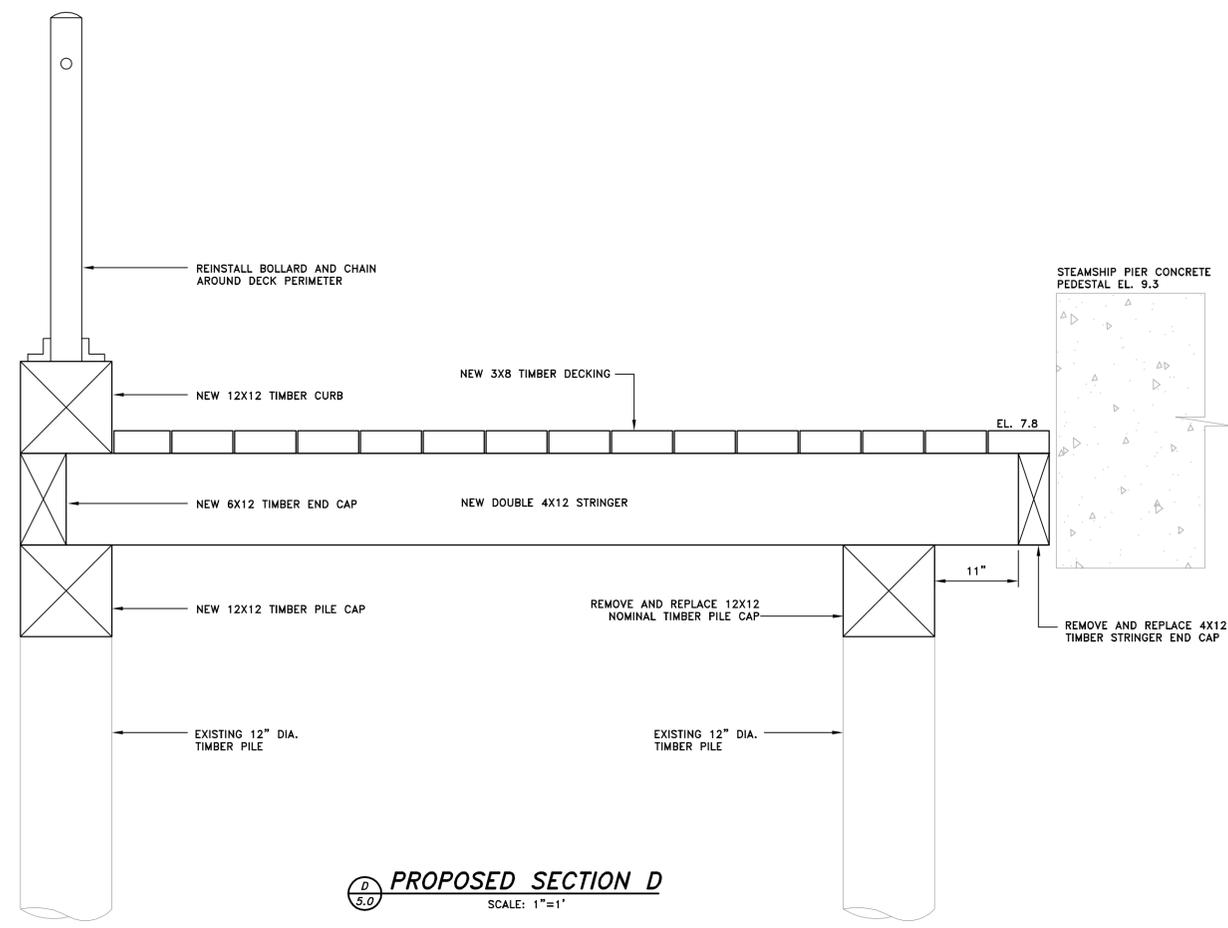
PROPOSED SECTION B
 SCALE: 1"=1'



PROPOSED SECTION C
 SCALE: 1"=2'



PROPOSED CONNECTION DETAIL
 SCALE: 1"=1'

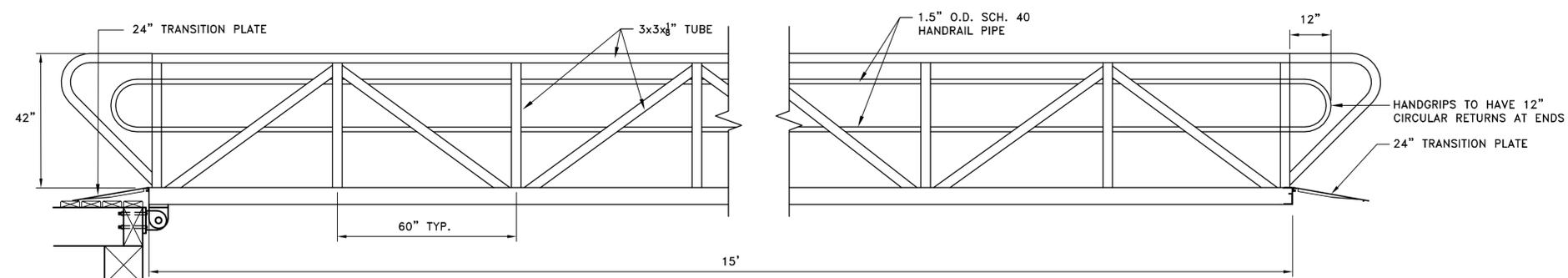


PROPOSED SECTION D
 SCALE: 1"=1'

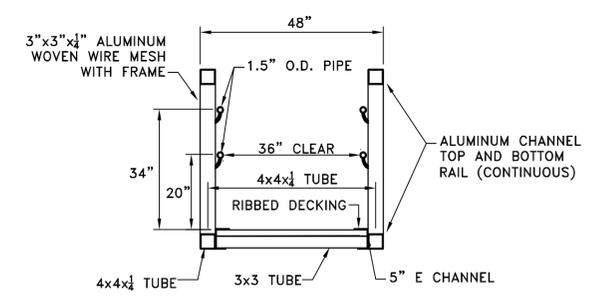
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REVISIONS:	

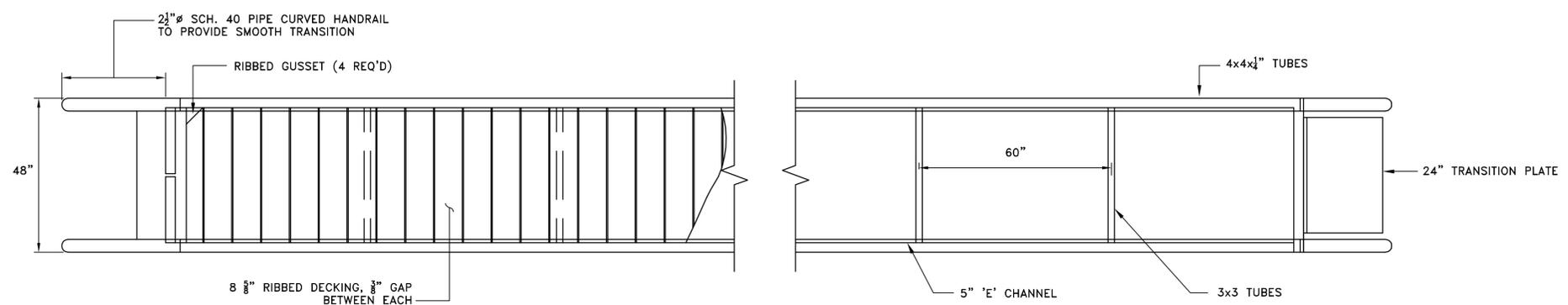
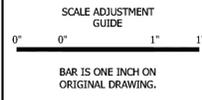
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APPROVED BY:	KWH
BID ALT. 1 PROPOSED GANGWAY DETAILS	
SHEET NO.:	10.0



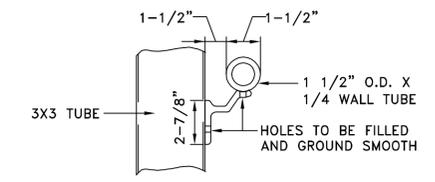
PROPOSED GANGWAY ELEVATION
SCALE: 1" = 2'



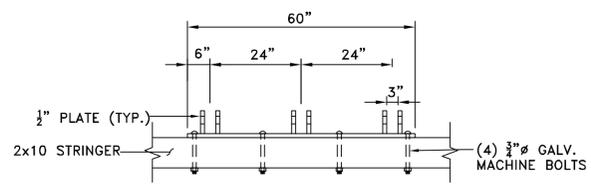
PROPOSED GANGWAY SECTION
SCALE: 1" = 2'



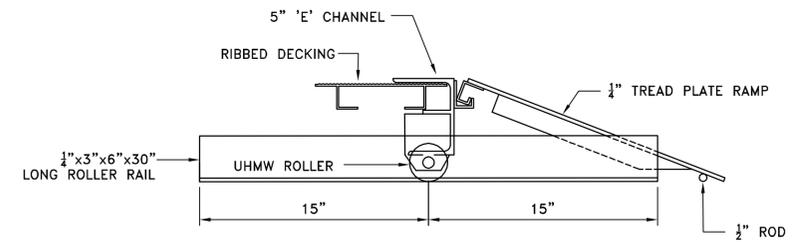
PROPOSED GANGWAY PLAN
SCALE: 1" = 2'



HANDGRIP DETAIL
SCALE: 3" = 1'



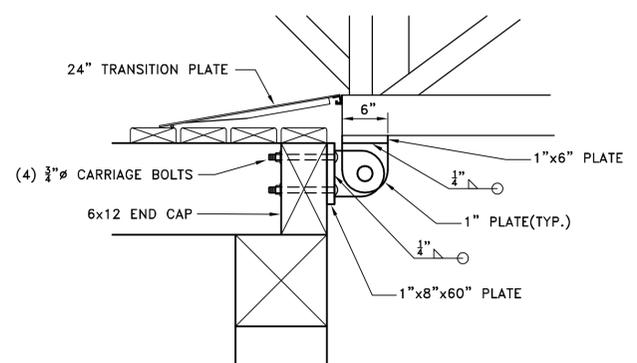
GANGWAY TO LANDING HINGE PLATE PLAN
SCALE: 1" = 2'



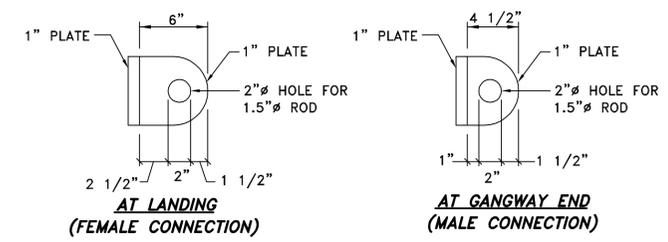
NOTES:
FABRICATE ALUMINUM ANGLE ROLLER RAIL WITH COUNTERSUNK HOLES FOR DECK FASTENER SCREWS.

PROPOSED GANGWAY TO FLOAT SECTION
SCALE: 2" = 1'

- NOTES:**
1. ALL HINGES, PLATES, BOLTS, AND RODS TO BE GALVANIZED A36 STEEL.
 2. ALL GANGWAY FRAMING AND ALUMINUM TO BE 6016-T6 ALUMINUM.
 3. ALUMINUM/STEEL CONNECTIONS PROVIDED WITH NYLON WASHERS.
 4. ALL WELDS TO BE FULL PENETRATION WELDS.
 5. ALUMINUM MEMBER SIZES SHOWN ARE MINIMUM TYPICAL SECTIONS. ACTUAL SECTIONS SHOULD BE BASED ON ACTUAL DESIGN. SEE SPECIFICATIONS.
 6. ALL WELDED CONSTRUCTION UNLESS NOTED OTHERWISE. ALL ALUMINUM IN CONTACT WITH ALUMINUM STRUCTURAL SHAPES WILL BE TOTALLY WELDED.
 7. GANGWAYS DESIGNED FOR 50 PSF VERTICAL LIVE LOAD AND DEFLECTION = L/180. GANGWAYS DESIGNED FOR 5000 LB LATERAL LOAD. GANGWAY DECK CHORDS TO BE CAPABLE OF 40 KIPS TENSION AND COMPRESSION MINIMUM.
 8. THE SHAPES SHOWN ON PLANS ARE FOR INFORMATION ONLY. ACTUAL SHAPE USED SHALL BE DETERMINED BY DESIGN.
 9. DISSIMILAR METALS AT BASE PLATES AND OTHER LOCATIONS TO BE SEPARATED BY NYLON PADS AND WASHERS.



GANGWAY TO LANDING HINGE PLATE SECTION
SCALE: 1" = 2'



TYPICAL HINGE "EARS"
NOT TO SCALE