

PEPPERRELL COVE TOWN LANDING BOATING INFRASTRUCTURE GRANT

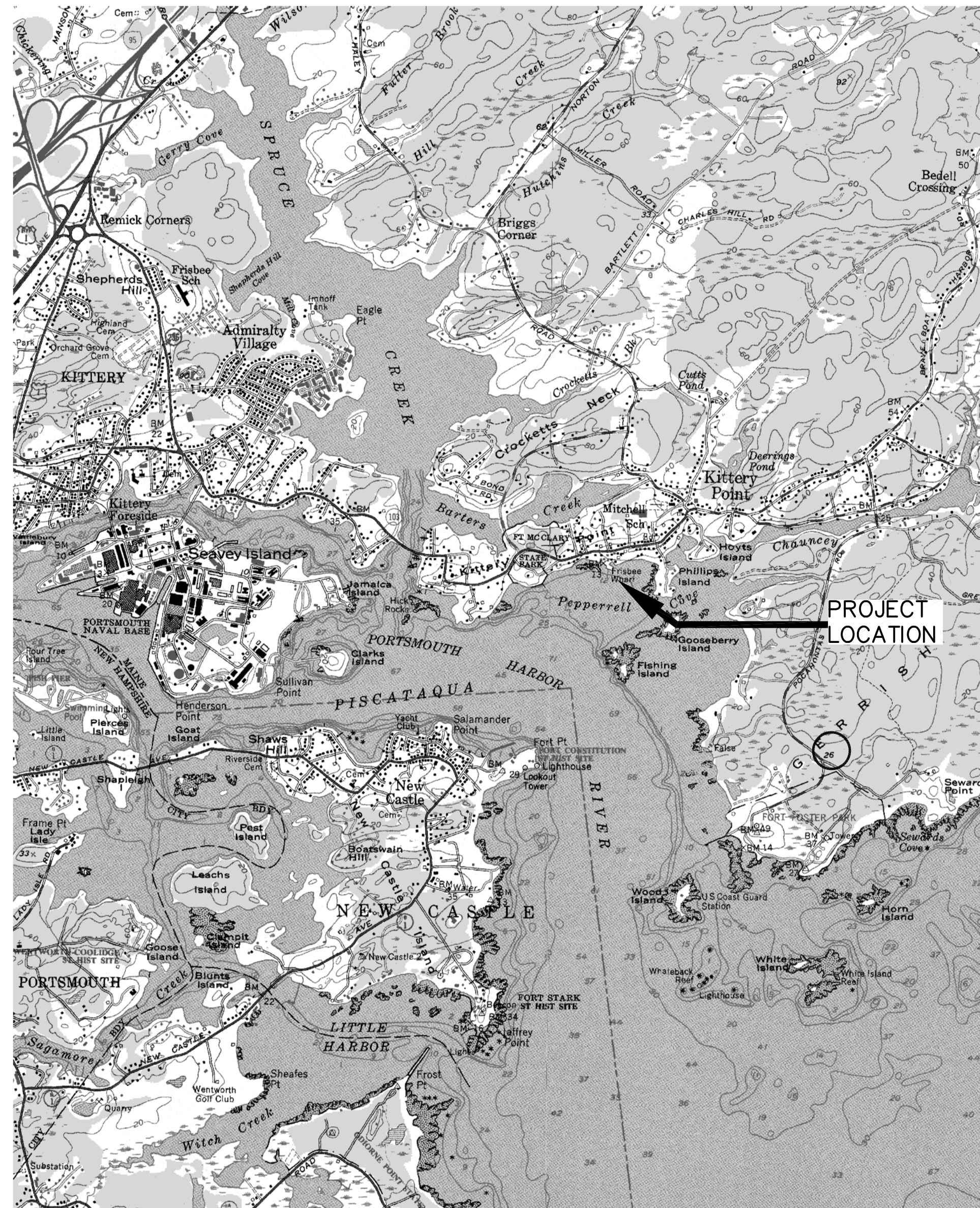
KITTERY, MAINE PROJECT NO. 12-40

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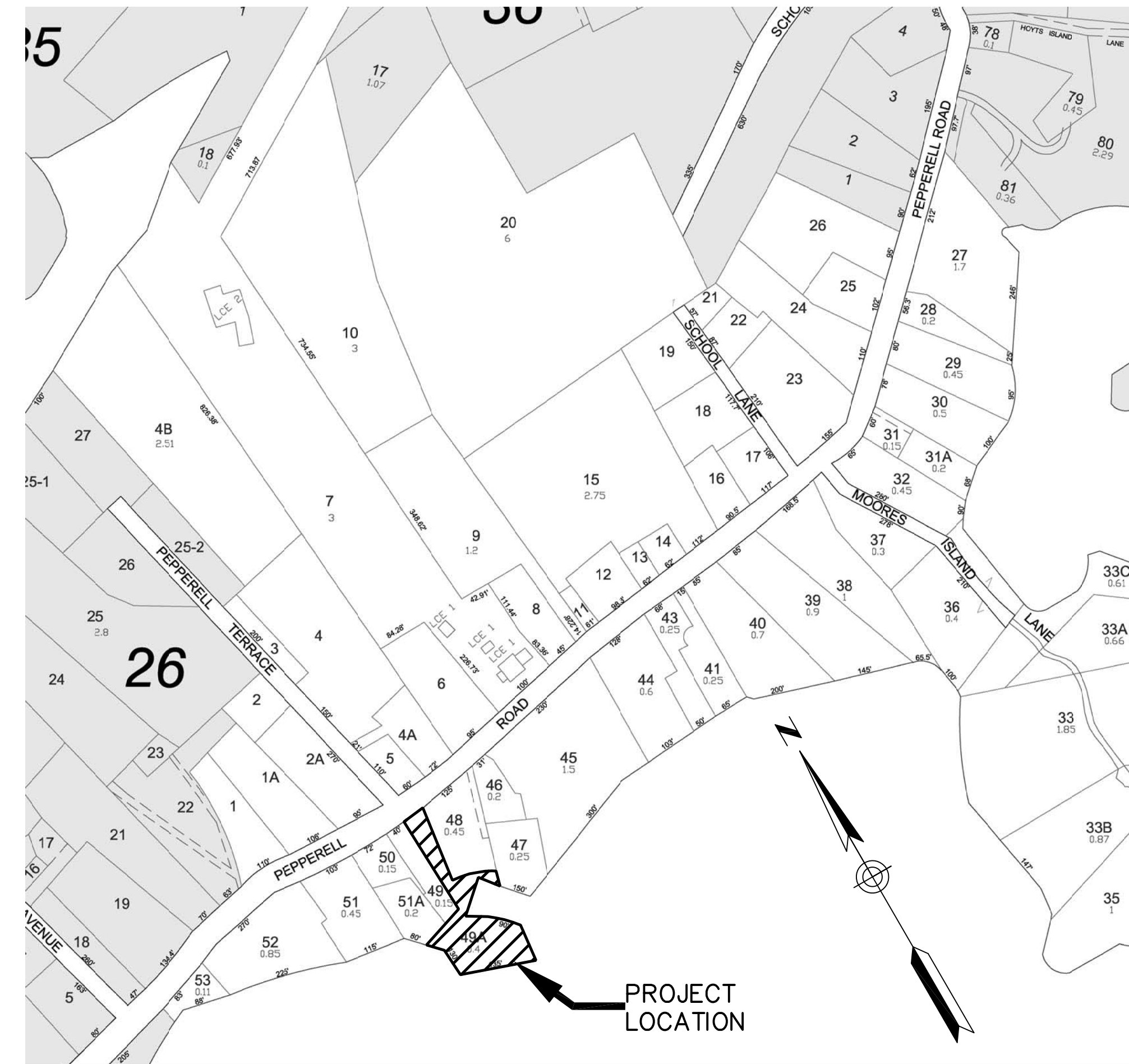


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USGS LOCATION MAP

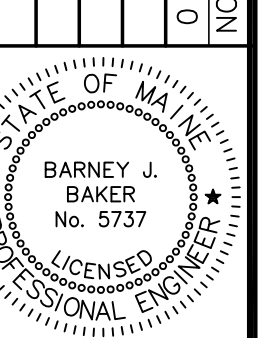


TAX MAP 27

PROPERTY INFORMATION

OWNER: TOWN OF KITTERY
 ADDRESS: 200 ROGERS ROAD
 KITTERY, MAINE 03904
 MAP/LOT: 027-49A
 ZONING: ZONES
 SETBACKS: NO CHANGE

NO.	DATE	CONSTRUCTION SUBMISSION	BUB INT.
0			6-18-13



DESIGNED BY: BUB	JUC
DRAWN BY: BUB	BUB
CHECKED BY: BUB	AS SHOWN
SCALE:	

SHEET TITLE: **COVERSHEET**
 PROJECT: **BOATING INFRASTRUCTURE GRANT**
 KITTERY, MAINE
 PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	G-1
REV.	0

GENERAL NOTES

1. THE CONTRACTOR SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY RULES AS ADOPTED BY THE STATE BOARD OF CONSTRUCTION SAFETY, AUGUSTA, MAINE AND THE SAFETY AND HEALTH REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AS PROMULGATED BY THE US DEPARTMENT OF LABOR.
2. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED, SEEDDED, FERTILIZED AND MULCHED UNLESS OTHERWISE DIRECTED BY THE OWNER OR THEIR REPRESENTATIVE.
3. ALL PAVED AREAS DISTURBED SHALL BE PATCHED WITH BITUMINOUS UNLESS OTHERWISE SPECIFIED.
4. THE CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS FOR COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATORY REQUIREMENTS.
5. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAKE ALL IMPROVEMENTS IN ACCORDANCE WITH THE STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, REVISION OF DECEMBER 2002.
6. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ALL CONSTRUCTION DEBRIS AT AN APPROVED FACILITY IN ACCORDANCE WITH ALL APPLICABLE LOCAL STATE AND FEDERAL REGULATORY REQUIREMENTS.

DESIGN CRITERIA

1. SITE EXPOSURE
 - WAVE HEIGHT - 3 FT
 - MAXIMUM WIND SPEED -100 MPH HURRICANE COASTLINE
 - NO ICING HAS BEEN REPORTED AT THIS SITE AND HAS NOT BEEN CONSIDERED.
2. FIXED GANGWAY TAKE-OFF PIER
 - DESIGN LIVE LOAD = 200 PSF
 - ALL HANDRAIL AND POSTS SHALL BE CONSTRUCTED TO WITHSTAND A 200 LB LOAD APPLIED IN ANY DIRECTION OR 50 LB/FT APPLIED ALONG RAIL LENGTH.
3. GANGWAY
 - DEAD LOADS SHALL CONSIST OF THE ENTIRE WEIGHT OF THE GANGWAY STRUCTURE PLUS UTILITY TRAY/ HANGER SYSTEM AND UTILITIES AS NOTED ON THE DRAWINGS.
 - GANGWAY DECK SURFACE AND STRUCTURAL FRAME SHALL NOT EXCEED ALLOWABLE MATERIAL STRESSES FOR A UNIFORM LIVE LOAD OF 100 PSF APPLIED OVER THE FULL SURFACE OF THE GANGWAY WITH DEFLECTION LIMIT NOT TO EXCEED GANGWAY CAMBER.
 - GANGWAY DECK SURFACE AND STRUCTURAL FRAME SHALL NOT EXCEED ALLOWABLE MATERIAL STRESSES FOR A UNIFORM LIVE LOAD OF 50 PSF APPLIED OVER THE FULL SURFACE OF THE GANGWAY WITH DEFLECTION LIMIT NOT TO EXCEED SPAN/360.
 - ALL HANDRAIL AND POSTS SHALL BE CONSTRUCTED TO WITHSTAND A 200 LB LOAD APPLIED IN ANY DIRECTION OR 50 LB/FT APPLIED ALONG RAIL LENGTH.
4. FLOAT SYSTEM
 - FLOAT FREEBOARD AND LIVE LOAD CAPACITY IN ACCORDANCE WITH TABLE BELOW.

FLOAT LOADING CONDITION	MIN LIVE LOAD CAPACITY (PSF)	ALLOWABLE FREEBOARD (IN)
DEAD LOADS + UTILITIES	0	19 +/- 1
FLOATATION DRUMS SUBMERGED	30	> 10
FLOATATION DECK SUBMERGED	50	> 0

- DEAD LOADS SHALL CONSIST OF THE ENTIRE WEIGHT OF THE FLOATING STRUCTURE, INCLUDING UTILITIES, GANGWAYS, DOCK BOXES, PILE GUIDES, MOORING TACKLE.
- A CONCENTRATED LIVE LOAD OF 400 LBS APPLIED AT ANY POINT SHALL NOT TILT THE DECK MORE THAN SIX DEGREES TO THE HORIZONTAL.
- VESSELS USING THE FACILITY WILL USE FENDERS AND WILL BE REMOVED FROM THE DOCKS IN ADVANCE OF SIGNIFICANT STORM EVENTS.

SURVEY & DATUM NOTES

1. ALL ELEVATIONS PROVIDED ON THE PLANS ARE TO NGVD29 DATUM PER CIVIL CONSULTANTS SURVEY NOTES, UNLESS OTHERWISE NOTED.
2. EXISTING TOPOGRAPHIC LOCATION SURVEY PERFORMED BY CIVIL CONSULTANTS DATED JANUARY 15, 2013, RECEIVED BY BAKER DESIGN CONSULTANTS ON JANUARY 17, 2013.
3. BASE FLOOD/TIDAL INFORMATION TAKEN FROM MEDEP, FEMA AND NOAA PUBLISHED DATA FOR SEAVEY ISLAND, TIDAL 5, STA 92, KITTERY.

Elevation	Chart Datum (ft)	NGVD29 (ft)	NAVD88 (ft)	Notes
FEMA Base Flood	18.9	15	14.3	FEMA A3
Highest Annual Tide (HAT)	11.4	7.5	6.8	Maine DEP
MHHW	8.84	4.98	4.21	TIDAL 5 STA 92
MHW	8.43	4.57	3.80	"
NAVD 88	4.63	-	0	"
NGVD 29	3.86	0.0	-	"
MLW	0.32	-3.54	-4.31	"
MLLW	0.00	-3.86	-4.63	"

STRUCTURAL NOTES

STEEL PIPE GUIDE PILES

1. STEEL PIPE PILES SHALL MEET ASTM A252 GRADE 3 STANDARDS WITH A MINIMUM SIZE IN ACCORDANCE WITH THE SCHEDULE ON SHEET S-1.
2. AN OPEN CUTTING SHOE IS NOT REQUIRED.
3. STEEL PIPE SHALL BE TREATED WITH FUSION BONDED EPOXY (COLOR BROWN). REPAIR ANY COATING DAMAGED IN THE FIELD.
4. THE CONTRACTOR SHALL TAKE STEPS TO PROTECT PILE COATING FROM DAMAGE DURING HANDLING AND DRIVING OPERATIONS.
5. ALL SOCKETED PILES SHALL BE FILLED WITH CONCRETE AFTER SOCKETING OPERATIONS ARE COMPLETE.
6. ALL PILES TO HAVE ANODE PROTECTION. USE ALOLINE ALUMINUM ANODE BY WILSON INTERNATIONAL INC. MODLE NO. W-120 (OR APPROVED EQUAL). POSTION VERTICALLY 3'-0" BELOW MLW WITH 2 - 1/2" WELDED STUDS.
7. ALL PILES SHALL BE FITTED WITH BLACK, UV RESISTANT, LOW DENSITY, CONICAL, POLYETHYLENE CAPS BY FOLLANSBEE (800-223-3444) OR EQUAL. SELECT SIZE TO MATCH PILE DIAMETER AND FASTEN WITH STAINLESS STEEL SCREWS.

TIMBER PILES

1. TIMBER PILES SHALL HAVE A MINIMUM PILE BUTT DIAMETER OF 12-INCHES AND MEET ASTM D2899 DESIGN VALUES FOR TREATED ROUND TIMBER PILES, WITH MINIMUM TIP CIRCUMFERENCE AND DESIGN LOAD CAPACITY AS INDICATED BELOW:

LOCATION	TIP	P (KIPS)	MATERIAL
VERTICAL PILES	25"	20	PINE OR GREENHEART
FENDER PILES	22"	5	GREENHEART
GUIDE PILES	22"	5	GREENHEART
2. VERTICAL TIMBER PILES SHALL BE SOUTHERN YELLOW PINE CONFORMING TO ASTM D25. PROVIDE PROTECTION TO PILE TIP AND BUTT TO AVOID DAMAGE DURING DRIVING AT PIER HEAD LOCATION.
3. EXPOSED FASTENERS TO FENDER AND GUIDE PILES SHALL BE COUNTERSUNK A MINIMUM OF 1-1/2 INCHES.
4. ALL BEARING PILES SHALL BE 'CAPPED' WITH 'ICE AND WATER SHIELD' BY GRACE CONSTRUCTION PRODUCTS OR APPROVED EQUAL PRIOR TO PLACEMENT OF TIMBER CAP.
5. ALL FENDER AND GUIDE PILES SHALL BE Banded WITH STAINLESS STEEL UTILITY STRAPPING AND FITTED WITH BLACK, UV RESISTANT, LOW DENSITY, CONICAL, POLYETHYLENE CAPS BY FOLLANSBEE (800-223-3444) OR EQUAL. SELECT SIZE TO MATCH PILE DIAMETER AND FASTEN WITH STAINLESS STEEL SCREWS.
6. REFER TO SPECIFICATIONS FOR PILE DRIVING CRITERIA. THE CONTRACTOR IS CAUTIONED OF ANTICIPATED RAPID INCREASE IN DRIVING RESISTANCE DUE TO ABRUPT CHANGES IN SOIL STRATA. CARE SHOULD BE TAKEN TO AVOID DAMAGE TO THE PILE.
7. THE CONTRACTOR SHALL ORDER PILES OF SUFFICIENT LENGTH TO ALLOW FOR VARIATION IN THE TABULATED LENGTH AND DAMAGE TO THE HEAD FROM DRIVING. REFER TO PILE SCHEDULE ON SHEET S-1.

TIMBER STRUCTURAL MEMBERS

1. REFER TO TIMBER SCHEDULE ON SHEET G-2.
2. ALL EXPOSED EDGES ADJACENT TO PEDESTRIAN TRAVEL SHALL BE PLANED OR SANDED TO PROVIDE SMOOTH SURFACE FREE OF ROUGH EDGES OR DEFECTS.
3. ALL EXPOSED FASTENERS SHALL BE COUNTERSUNK ON WALKING SURFACE, CURBS, PILING AND HANDRAILING.
4. ALL TIMBER JOISTS, BEAMS AND PILE CAPS TO BE 'CAPPED' WITH 'ICE AND WATER SHIELD' OR APPROVED EQUAL PRIOR TO PLACEMENT OF DECK.

MISCELLANEOUS METALS AND FASTENERS

1. REFER TO FASTENER SCHEDULE ON SHEET G-2 AND INDIVIDUAL PLANS.
2. ALL METAL ITEMS TO BE A36 STEEL, HOT-DIP GALVANIZED AFTER FABRICATION UNLESS OTHERWISE NOTED.
3. ALL FASTENERS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. ALL BOLTS SHALL CONFORM TO ASTM A-307. MINIMUM SIZE SHALL BE 3/4" DIA. UNLESS OTHERWISE NOTED. ALL BOLTS TO BE HEAVY HEX UNLESS OTHERWISE NOTED.
5. AT ALL TIMBER CONNECTIONS USE OVERSIZE WASHERS (NY DOCK WASHERS OR EQUAL) OR BACKING PLATES.

CONSTRUCTION SEQUENCE & COORDINATION

1. ALL ACTIVITIES SHALL BE COORDINATED WITH THE HARBOR MASTER SO THAT PIER USERS CAN BE DIRECTED TO ADJACENT FACILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN CLEAR ACCESS TO THE FRISBEE PIER AND THE BOAT RAMP THROUGHOUT THE PROJECT.

EROSION CONTROL NOTES

1. APPLICATION OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES FOR THE PROJECT SHALL BE IN ACCORDANCE WITH PROCEDURES AND SPECIFICATIONS OF THE CURRENT MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION; BEST MANAGEMENT PRACTICES.
2. ALL WORK SHALL BE EXECUTED FROM SHORE OR BY BARGE. NO TRACKED OR WHEELED EQUIPMENT SHALL BE OPERATED OR PLACED BELOW THE HIGHWATER MARK.
3. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON COMPLETION OF GRADING OPERATIONS AND ESTABLISHMENT OF ACCEPTABLE GROUND COVER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES DURING CONSTRUCTION.

UTILITY NOTES

1. THE LOCATION OF UTILITIES AS SHOWN ON THE DRAWINGS IS APPROXIMATE AND IS SHOWN ONLY AS A GUIDE TO THE CONTRACTOR. NO GUARANTEE IS MADE THAT UTILITIES WILL BE ENCOUNTERED WHERE SHOWN OR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS IN THE FIELD AND BE COMPLETELY RESPONSIBLE FOR REPAIR OF ALL UTILITIES DISTURBED DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOT MAKE ANY OPENING OR EXCAVATION WITHIN THE PROJECT AREA UNTIL CONTACT HAS BEEN MADE WITH 'DIG SAFE' AND ALL UTILITIES HAVE BEEN NOTIFIED.
 - CENTRAL MAINE POWER
162 CANCO ROAD
PORTLAND, MAINE 04103
828-2832
 - FAIRPOINT COMMUNICATIONS
1575 GREENLAND ROAD
GREENLAND, NH 03840
 - KITTERY WATER DISTRICT
17 STATE ROAD
KITTERY, MAINE 03904
439-1128
 - KITTERY SEWER DISTRICT
PO BOX 808
KITTERY, MAINE 03904
 - COMCAST (BERWICK AREA)
334B CALEF HIGHWAY
EPPING, NH 03042

TIMBER SCHEDULE

Timber Size	Location	% Moisture at Treatment	Treatment Type	Grading Type	Surface pcf	Finishing to SPIB	Minimum Length
Take-Off Pier							
12 x 12	End Joist	25%	CCA	2.5	No. 1	S4S	
12 x 12	Caps	25%	CCA	2.5	No. 1	S2S	
6 x 12	Joists	25%	CCA	2.5	No. 1	S2S	
4 x 8	Blocking	25%	CCA	2.5	No. 1	S4S	
4 x 8	Planking	25%	ACQ	0.6	No. 1	S4S	10'-0", No butt Joints
4 x 8	Diagonal Bracing	25%	CCA	2.5	No. 1	R	
Timber Handrail (Match existing Railing at infill sections)							
2 x 6	Rails	19%	ACQ	0.6	No. 1	S4S	15'
4 x 4	Posts	25%	ACQ	0.6	No. 1	S4S	3'-6", 4'-6"
New Floats							
2 x 6	Decking	19%	ACQ	0.6	No. 1	S4S	No Butt Joints except for float 1630
4 x 10, 4 x 8	Stringers, Blocking	19%	ACQ	0.6	No. 1	S4S	16' or Full Length
2 x	Facia Boards	19%	ACQ	0.6	No. 1	S4S	16' or Full Length
4 x 6	Skids	25%	ACQ	0.6	No. 1	S4S	16' or Full Length

Chromated Copper Arsenate (CCA)

Alkaline Copper Quaternary (ACQ)

Quantities shall include sufficient material to include blocking and splices (where authorized).

R = Rough Sawn, S2S = Finished Two Side, S4S = Finished All Sides.

FASTENER SCHEDULE

Location	Diameter (in)	No. per Connection	Finish/ Notes	Length
Drift Pins				
Cap to Pile	1"	1	Hot Dip Galv.	30
Joists to Cap	3/4"	1	Hot Dip Galv.	20
Spikes				
Joist to Blocking	spike	2	Hot Dip Galv.	6
Wood Decking	3/8"	2	Hot Dip Galv.	8
Timber Bolted Connections (Heavy Hex unless otherwise noted)				
Pile Bracing	1"	1		Length to suit construction
Timber Handrail Post to Cap	5/8"	2	Hot Dip Galv.	
Timber Handrail Post to Joist	5/8"	2		
Float Hinge Pins	1-inch stainless steel	1 per connection	use nylock nut or split pin	
Float hardware	1/2 carriage bolts	2	Hot Dip Galv. Size as directed by system manufacturer. All float	
Cleats	1/2 to 3/4-inch	2		
ScrewLag Connections				
Float Decking	Square Drive	2	316 Stainless	4
Timber Handrail to post	Square Drive	2	316 Stainless	4

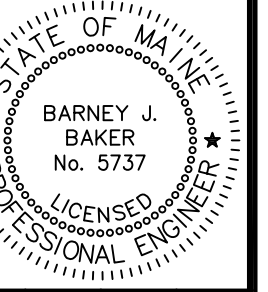
DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL STRUCTURAL COMPONENTS OF THE EXISTING PIER FROM THE SITE THAT ARE NOT SELECTED FOR RETAINAGE BY THE TOWN.
2. EXISTING TIMBER AND PILE MEMBERS RETAINED SHALL BE SET ASIDE IN A PROTECTED AREA FOR REMOVAL FROM THE SITE BY THE TOWN.
3. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF THE EXISTING PIER COMPONENTS AND CONSTRUCTION DEBRIS AT AN APPROVED FACILITY IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS.

p:\12\12-40 pepperrill cove big\cod\12-40 pepperrill cove kittery marina general.dwg



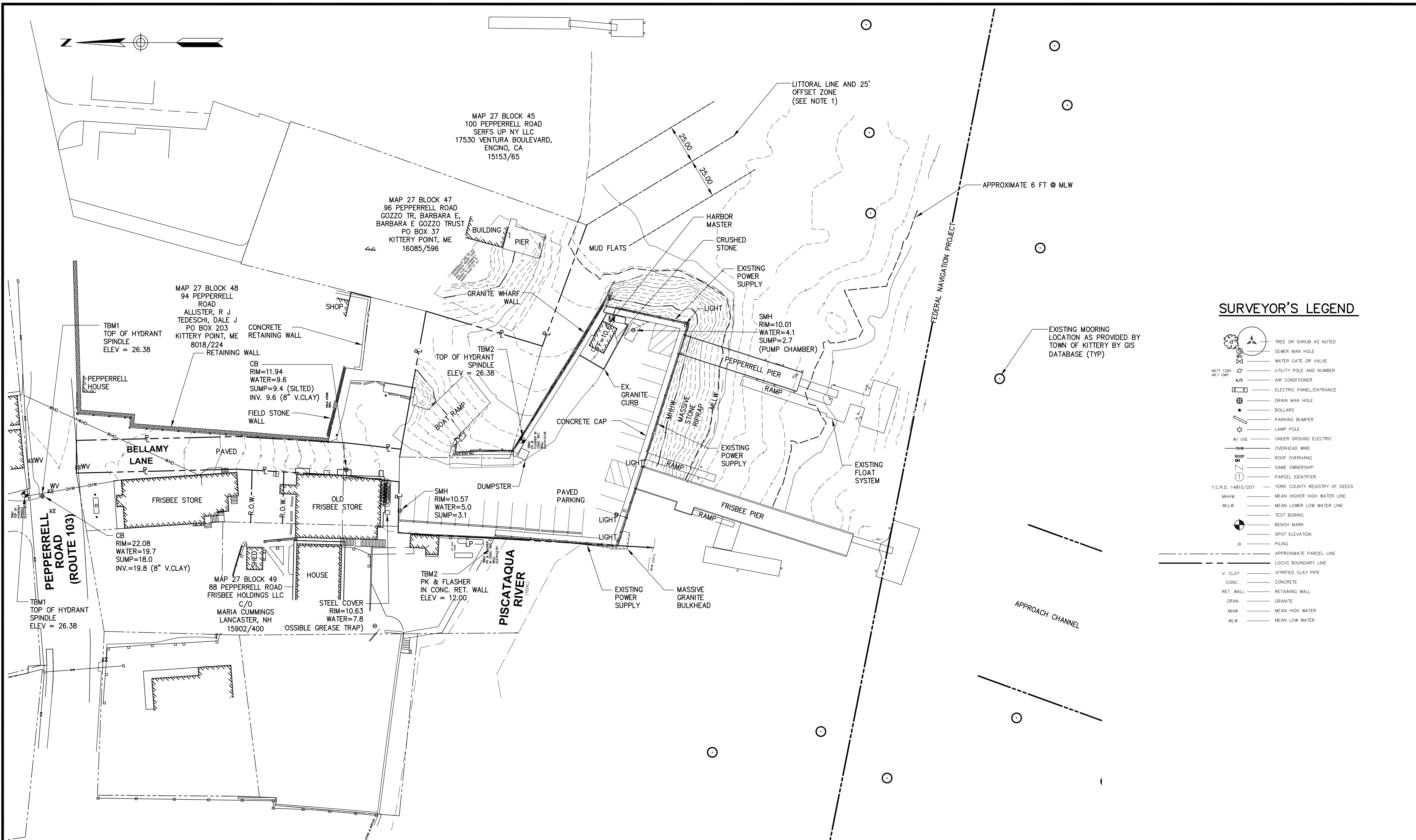
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DRAWN BY:	JUC
CHECKED BY:	BUB
SCALE:	AS SHOWN
CONSTRUCTION SUBMISSION	6-18-13
DATE	BUB INT.
NO.	0



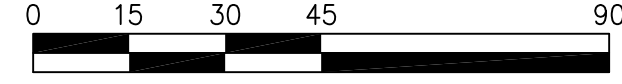
NOTES AND SCHEDULES
PROJECT: KITTERY, MAINE BOATING INFRASTRUCTURE GRANT PEPPERILL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	G-2
REV.	0

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SITE PLAN

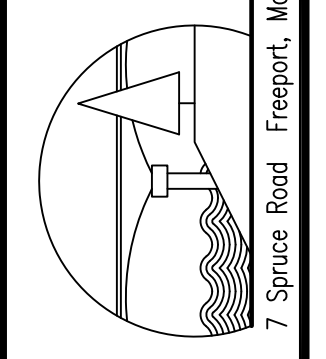


SURVEYOR'S LEGEND

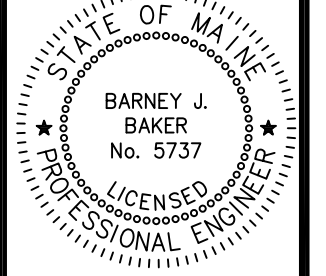
- TREE OR SHRUB AS NOTED
- SEWER MAN HOLE
- WATER GATE OR VALVE
- UTILITY POLE AND NUMBER
- AIR CONDITIONER
- ELECTRIC PANEL/ENTRANCE
- DRAIN MAN HOLE
- BOLLARD
- PARKING BUMPER
- LAMP POLE
- UNDER GROUND ELECTRIC
- OVERHEAD WIRE
- ROOF OVERHANG
- SAME OWNERSHIP
- PARCEL IDENTIFIER
- Y.C.R.D. 14810/207
- MHHW MEAN HIGHER HIGH WATER LINE
- MLW MEAN LOWER LOW WATER LINE
- TEST BORING
- BENCH MARK
- SPOT ELEVATION
- PILING
- APPROXIMATE PARCEL LINE
- LOCUS BOUNDARY LINE
- VITRIFIED CLAY PIPE
- CONC. CONCRETE
- RET. WALL. RETAINING WALL
- GRAN. GRANITE
- MHW MEAN HIGH WATER
- MLW MEAN LOW WATER

NOTE:
1. THE LITTORAL LINE IS BASED ON DEED DESCRIPTIONS OF UPLAND AND INTERTIDAL PROPERTY BOUNDARIES AND APPLICATION OF THE COLONIAL RULE FOR RIPARIAN PROJECTION.

BAKER DESIGN CONSULTANTS
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NO.	DATE	CONSTRUCTION	INT.
0	6-18-13	SUBMISSION	BUB

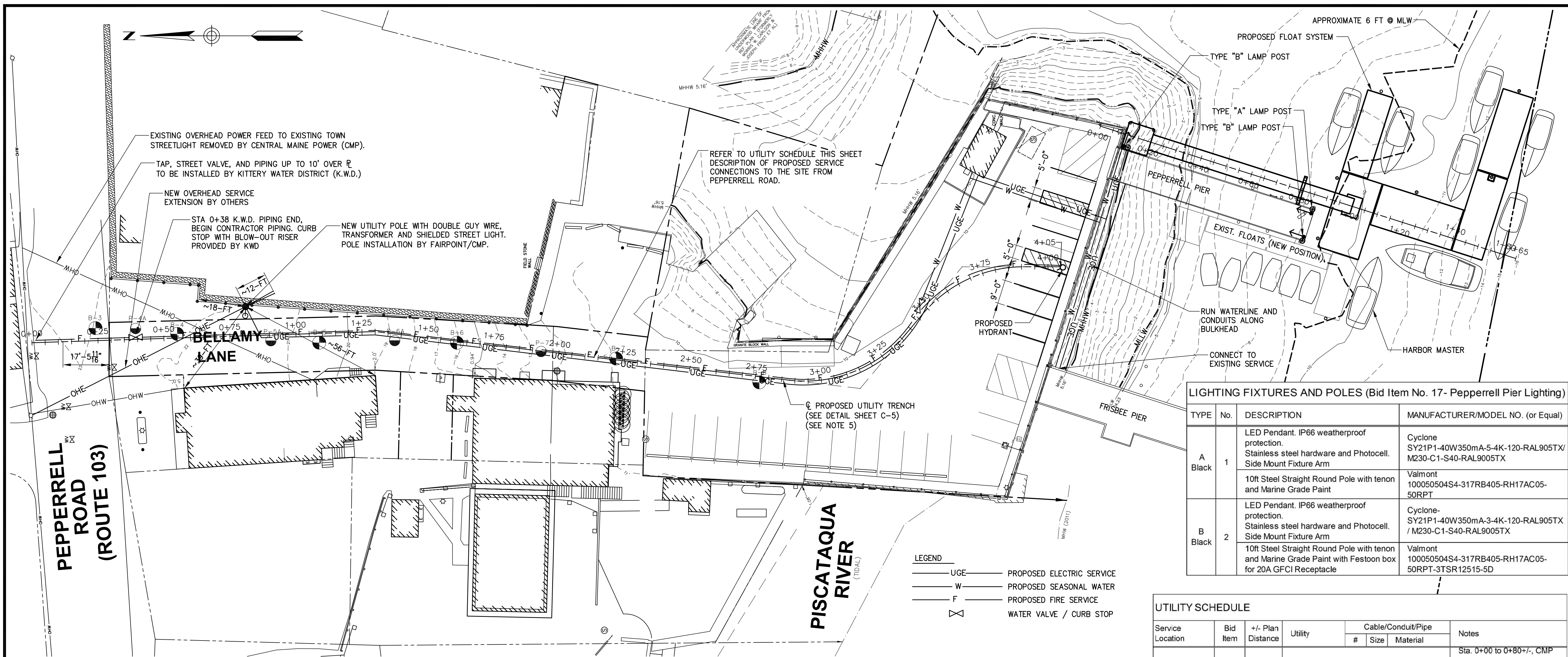


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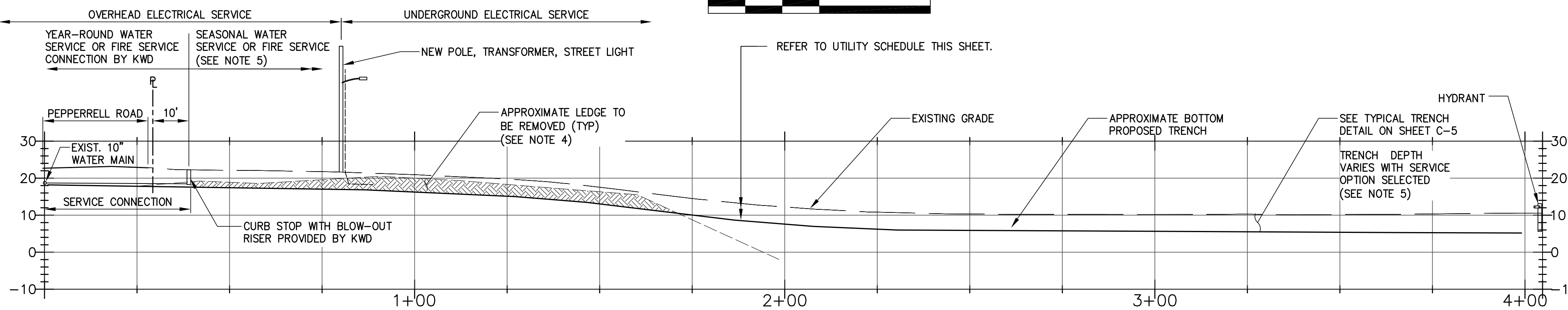
SHEET TITLE: EXISTING CONDITIONS PLAN
PROJECT: KITTERY, MAINE BOATING INFRASTRUCTURE GRANT
PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	C-1
REV.	0

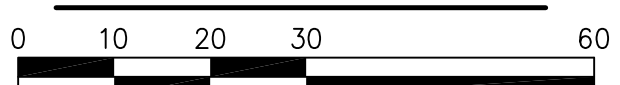
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PLAN



UTILITY PROFILE



BELLAMY LANE BORINGS / PROBES (See Note 1)

PLAN REFERENCE	GROUND ELEV (FT)	AUGER REFUSAL (FT)	ASSUMED LEDGE ELEV (FT)
B-3	22.9	5.0	17.9
P-4A	22.2	3.0	19.2
B-4	22.1	3.5	18.6
P-5A	21.2	0.8	20.4
B-5	20.4	1.0	19.4
P-6A	18.7	1.5	17.2
B-6	15.9	0.7	15.2

- NOTES:**
- BELLAMY LANE SUBSURFACE BORING AND PROBE INFORMATION WAS DERIVED FROM BORING LOGS PROVIDED BY ATTAR ENGINEERING. LOCATIONS PICKED UP BY CIVIL CONSULTANTS FIELD SURVEY.
 - PROBES WERE TAKEN AT OR NEAR PROPOSED PEPPERRELL PIER FLOAT GUIDE PILE LOCATIONS. REFER TO SHEET S-1.
 - FOR MARINE SIDE UTILITIES LOCATION SEE SHEET S-2.
 - ESTIMATED LEDGE REMOVAL TO BE PAID FOR UNDER BID ITEM NO.12 IS 20 CY IF BID ITEM 14 (SEASONAL WATER) INSTALLED AND 85 CY IF BID ITEM 15 (FIRE SERVICE) INSTALLED.
 - PLAN SHOWS OPTION FOR BID ITEM 15 (FIRE SERVICE, HYDRANT, YEAR-ROUND WATER SERVICE TO HBR. MASTER BLDG.) REFER TO UTILITY SCHEDULE THIS SHEET.

LIGHTING FIXTURES AND POLES (Bid Item No. 17- Pepperrell Pier Lighting)

TYPE	No.	DESCRIPTION	MANUFACTURER/MODEL NO. (or Equal)
A Black	1	LED Pendant. IP66 weatherproof protection. Stainless steel hardware and Photocell. Side Mount Fixture Arm	Cyclone SY21P1-40W350mA-5-4K-120-RAL905TX / M230-C1-S40-RAL9005TX
		10ft Steel Straight Round Pole with tenon and Marine Grade Paint	Valmont 100050504S4-317RB405-RH17AC05-50RPT
B Black	2	LED Pendant. IP66 weatherproof protection. Stainless steel hardware and Photocell. Side Mount Fixture Arm	Cyclone-SY21P1-40W350mA-3-4K-120-RAL905TX / M230-C1-S40-RAL9005TX
		10ft Steel Straight Round Pole with tenon and Marine Grade Paint with Festoon box for 20A GFCI Receptacle	Valmont 100050504S4-317RB405-RH17AC05-50RPT-3TSR12515-5D

UTILITY SCHEDULE

Service Location	Bid Item	+/- Plan Distance	Utility	Cable/Conduit/Pipe			Notes	
				#	Size	Material		
OVERHEAD Service	By Others	90-ft	Installed outside contract. By Central Maine Power, Fairpoint, Comcast				Sta. 0+00 to 0+80+/-, CMP Transformer for 400 AMP Service to Landing Relocate existing Street Light.	
UNDERGROUND Utilities New Pole to Hbrmaster Office	Bid Item 13	325-ft	Phone	1	2	SCH 80 E	Sta. 0+38 to 3+50 to Hbrmaster Office	
			Data	1	2	Conduit.	Ledge removal required, Galvanized steel risers required where exposed.	
			Power	1	4	2-250 Copper Conductors.		
			Power/Spare	1	4			
UNDERGROUND Seasonal Water Service OPTION	By Others	38-ft	Water Supply	2		Copper	By KWD Tap Pepperrell Road Main, Extend 10-ft into Bellamy Ln.	
		Bid Item 14	335-ft	Water Supply	2		HDPE (200 PSI)	Sta. 0+38 to Harbor Masters Office
UNDERGROUND Year-Round Water Service OPTION	By Others	38-ft	Fire Service (Year-Round)	6		Ductile Iron	By KWD Tap Pepperrell Road Main, Extend 10-ft into Bellamy Ln.	
		Bid Item 15	370-ft	Fire Service (Year-Round)	6		Ductile Iron	Sta. 0+38 to Hydrant at Sta. 4+05
			55-ft	Water Supply (Year-Round)	2		HDPE (200 PSI)	Tap 6-inch service at Sta. 3+50+/- to Harbor Masters Office
UNDERGROUND/SURFACE Mounted Pepperrell Pier Services	Bid Item 16	90-ft	Phone	1	2	Galvanized Steel Conduit where exposed	Harbor Master Office to respective existing Pepperrell and Frisbee Pier boxes. Cap ends and install messenger lines if not used. Provide valves for winter draining and blowout of water system.	
			Data	2	1			
			Power+Spare	Size & No. Req'd.				
			Lighting	1	1			
			Pump Out	1	1			
			Water Supply	1	HDPE (200 PSI)			
			Lighting	Size & No. Req'd.				
Water Supply	1	HDPE (200 PSI)						
Pepperrell Pier TRANSIENT FLOAT UTILITIES	See Sheet S-2	90-ft	Phone	2	1	Type G Marine Cable	Accommodate tidal movement at gangway cable tray transitions to new junction boxes. Provide chafing gear, strain relief and seasonal disconnects as required.	
			Data	2	1			
			Power + Spare	Size Req'd.				
			Pump Out	1	1			Conduit Only
Pepperrell Pier LIGHTING	Bid Item 17	See LIGHTING FIXTURE AND POLES Schedule	Water Supply	3/4		HDPE (200 PSI)		
			Continuous UV protected conduit fastened to underside of pier from existing Pier Box. Galvanized steel where exposed. No connections below deck elevation.					

BAKER DESIGN CONSULTANTS
Civil, Marine, and Structural Engineering
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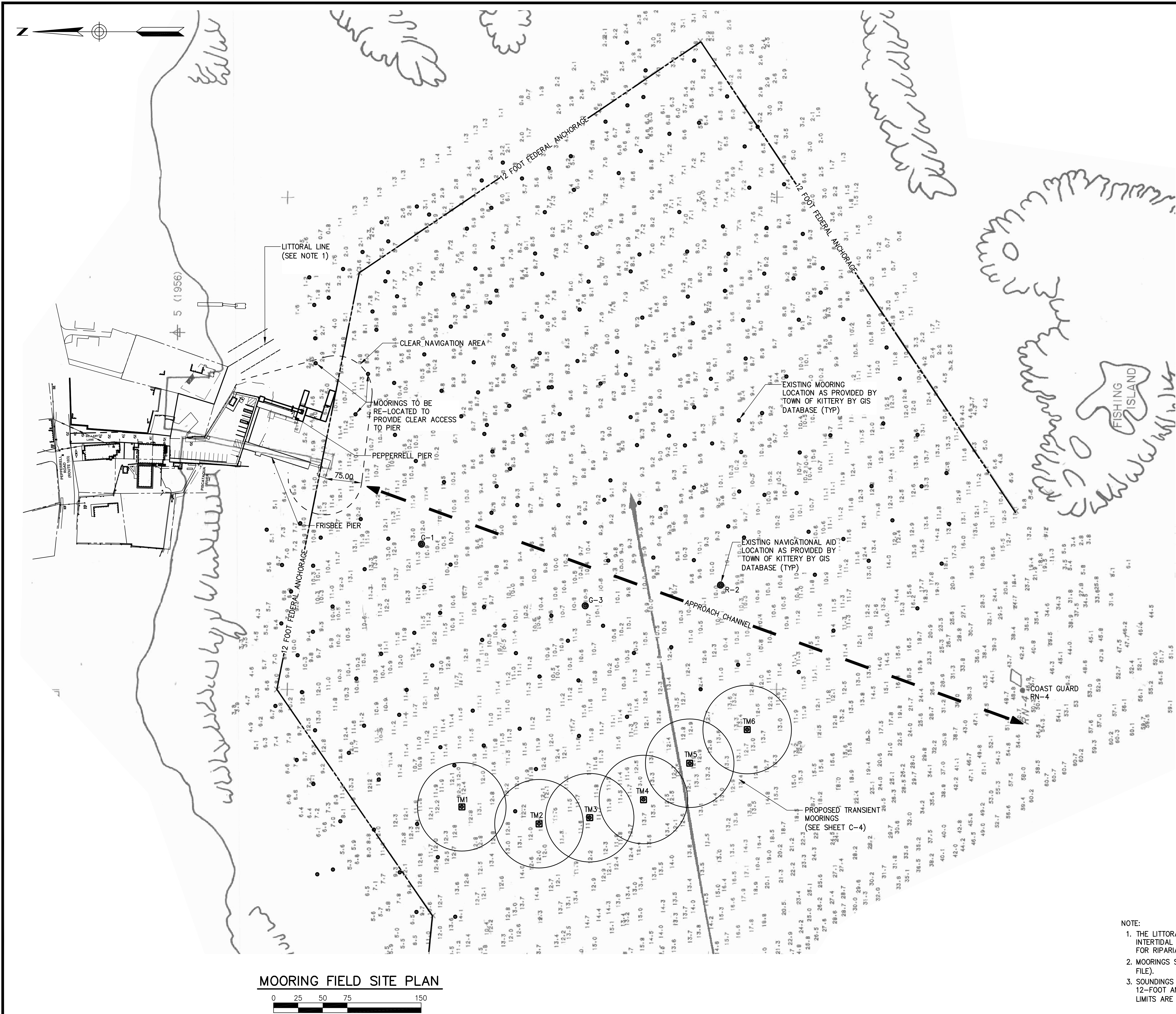
DESIGNED BY: BUB DRAWN BY: JUC CHECKED BY: BUB SCALE: AS SHOWN

SITE PLAN
KITTERY, MAINE
BOATING INFRASTRUCTURE GRANT
PEPPERRELL COVE TOWN LANDING

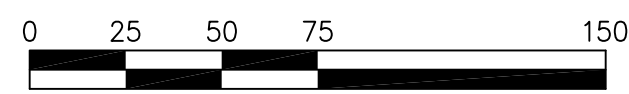
SHEET TITLE: PROJECT: SHEET NO. 12-40 REV. 0

DATE: JUNE 2013 CONTRACT NO. 12-40

CONSTRUCTION SUBMISSION DATE: 6-18-13 BUB INT. NO. 0



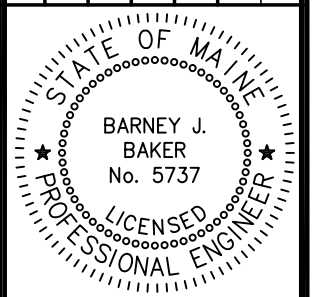
MOORING FIELD SITE PLAN



LEGEND:
 ○ EXISTING MOORING
 □ NEW TRANSIENT MOORING

- NOTE:
1. THE LITTORAL LINE IS BASED ON DEED DESCRIPTIONS OF UPLAND AND INTERTIDAL PROPERTY BOUNDARIES AND APPLICATION OF THE COLONIAL RULE FOR RIPARIAN PROJECTION.
 2. MOORINGS SHOWN AS RECEIVED FROM TOWN OF KITTERY (GIS DATABASE, SHP FILE).
 3. SOUNDINGS SHOWN ON THIS PLAN ARE FROM ARMY CORPS OF ENGINEERS 12-FOOT ANCHORAGE CONDITION SURVEY DATED 1989 AND FEDERAL NAVIGATION LIMITS ARE REFERENCED TO MLW (CHART DATUM).

NO.	DATE	BUB	INT.
0	6-18-13	BUB	INT.
		CONSTRUCTION	
		SUBMISSION	

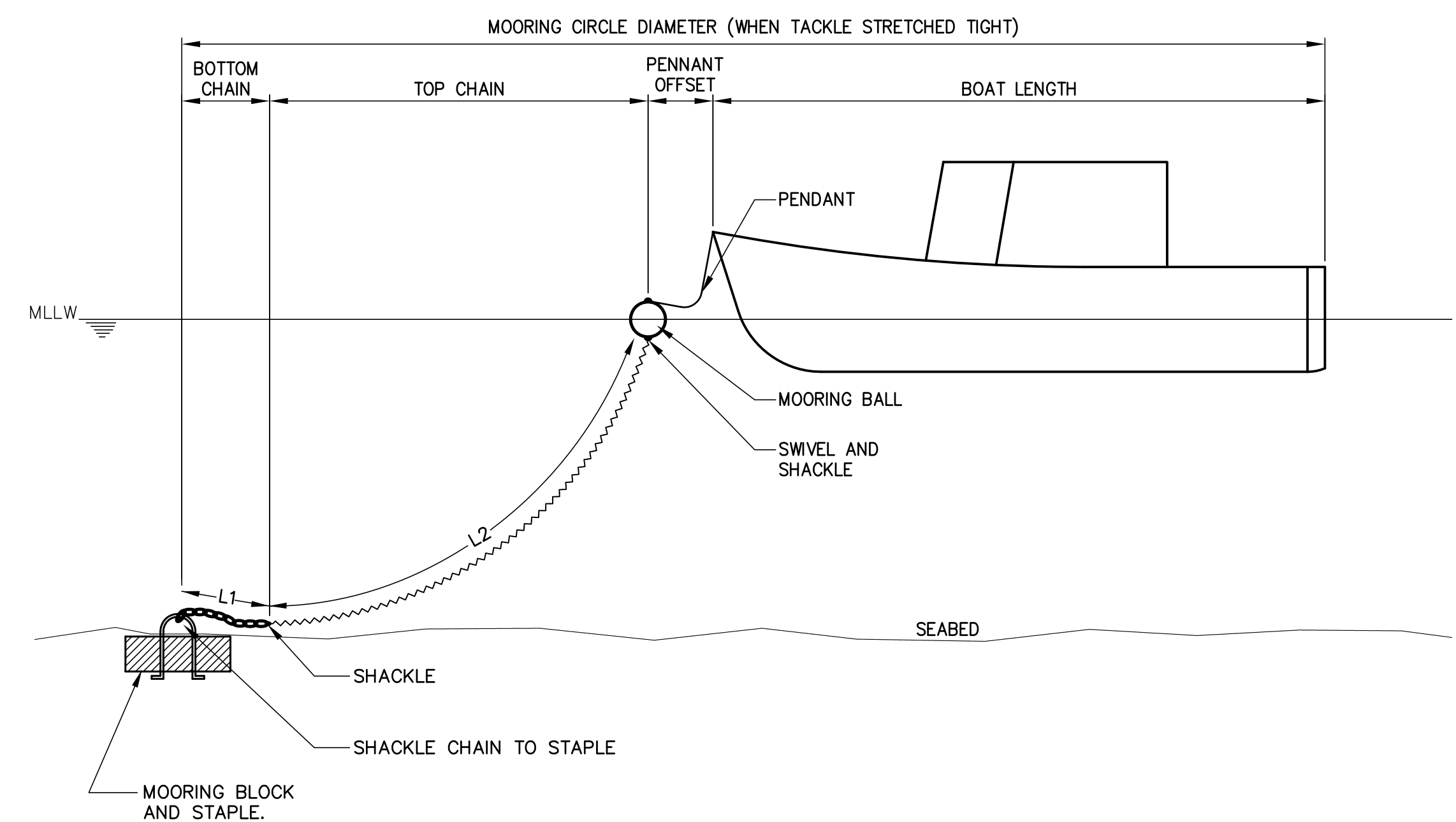
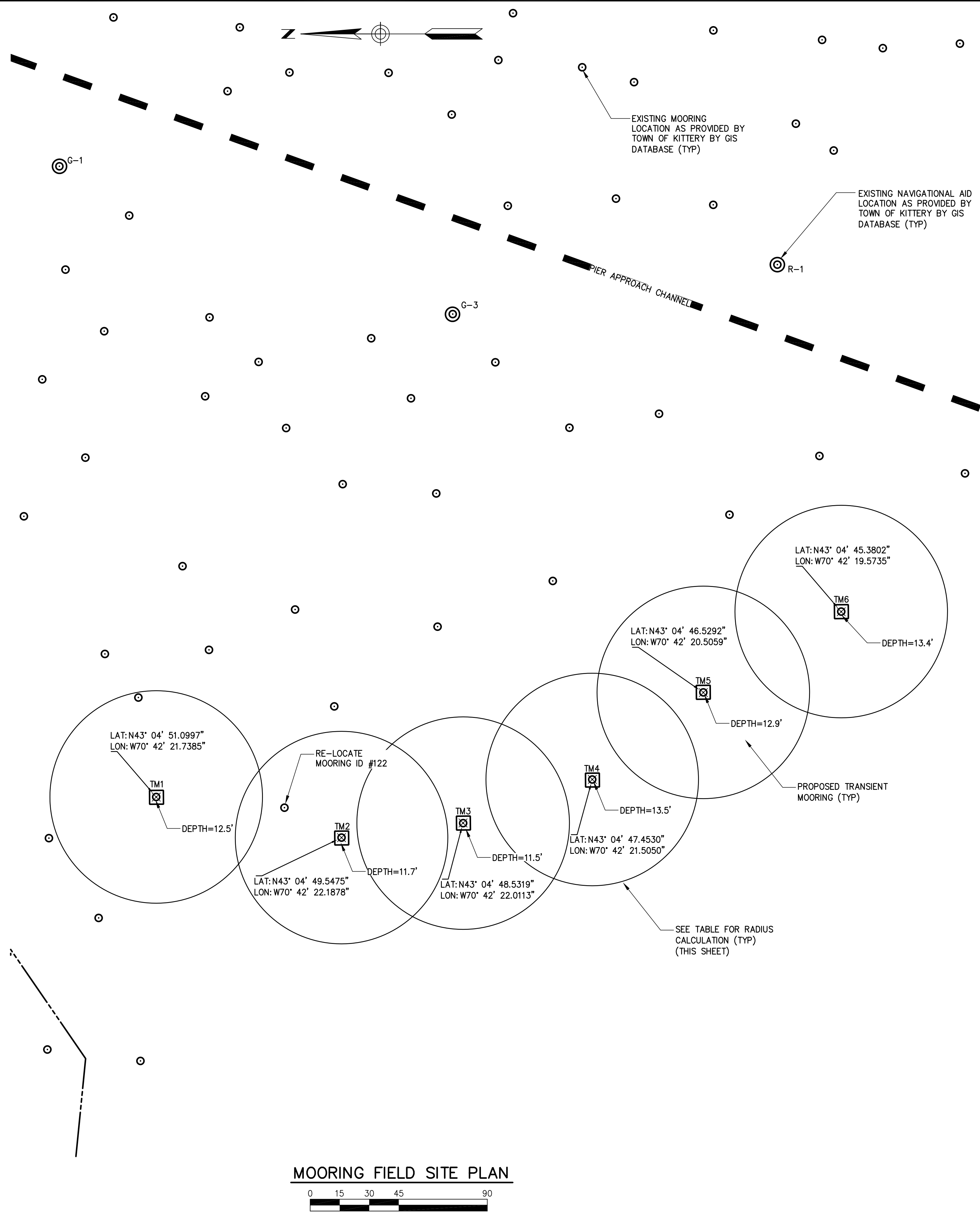


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SCALE:	AS SHOWN

SHEET TITLE: MOORING FIELD
 PROJECT: KITTERY, MAINE BOATING INFRASTRUCTURE GRANT
 PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	C-3
REV.	0

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MOORING CIRCLE CALCULATION

Mooring	Boat Length Range	Depth of Water Design	Bow Ht FT	Tackle Length FT				Max Mooring Circle Radius (Neglects Catenary) FT		
				Btm Chain L1	Top Chain L2	Total Chain Length	Pennant Offset	MLW	MHW	
				T1	46	12.5	22.5	4.6	30.0	25.0
T2	46	11.7	21.7	4.6	30.0	25.0	55.0	11.5	114	118
T3	46	11.5	21.5	4.6	30.0	25.0	55.0	11.5	114	117
T4	46	13.5	23.5	4.6	30.0	25.0	55.0	11.5	115	118
T5	46	12.9	22.9	4.6	30.0	25.0	55.0	11.5	115	118
T6	46	13.4	23.4	4.6	30.0	25.0	55.0	11.5	115	118

TRANSIENT MOORING TACKLE REQUIREMENTS

No. Reqd	Granite Block Dry Wt. lbs.	Staple Size in	Bottom Chain (Hot Dip Galvanized)			Top Chain (Hot Dip Galvanized)			Mooring Ball		Pendants (See Note 4)		
			Size in	Length ft	Proof Load lbs	Size in	Length ft	Proof Load lbs	DIA in	Minimum Bouyancy Lbs	Size in	Length ft	Break Strength (lbs)
6	5000	1.25	1	30	83,600	5/8	25	33,000	24	100	7/8	20	50,000

- Notes
- 1 Refer to TYPICAL MOORING CONFIGURATION on this sheet.
 - 2 All fittings to be hot dip galvanized.
 - 3 All fittings to be sized for the connection to exceed proof load of connected chain or line.
 - 4 Provide single pendant with hot dip galvanized thimbles, threaded floats, and 3-ft of moveable chafing cover.
 - 5 Mooring Ball shall be white in color with a blue horizontal stripe and prominently marked with designated Mooring No. "T1" to "T6" in 6-inch block letters and "Kittery" in 2-inch letters.

- NOTES:
1. REFER TO MOORING PLAN ON SHEET C-3 FOR LOCATION OF TRANSIENT MOORINGS WITH MOORING FIELD.
 2. TRANSIENT MOORING DEPTHS SHOWN ARE TO CHART DATUM, MLW=0.0'
 3. TRANSIENT MOORING LOCATION TO BE MARKED WITH A TEMPORARY FLOAT BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE HARBOR MASTER PRIOR TO PERMANENT MOORING INSTALLATION.

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SCALE: AS SHOWN

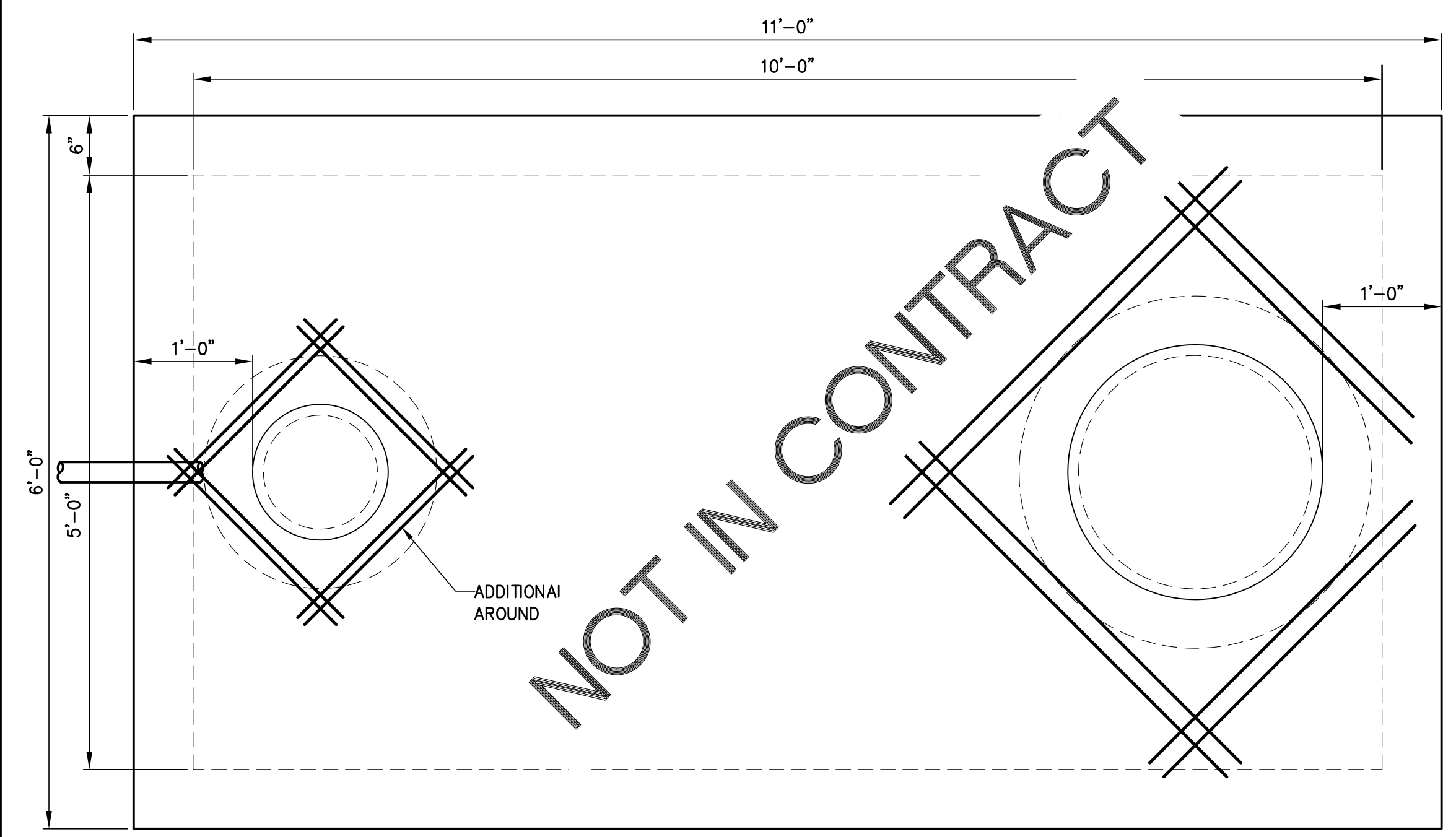
NO. 0
DATE 6-18-13
SUBMISSION
CONSTRUCTION

STATE OF MAINE
BARNEY J. BAKER
No. 5737
LICENSED PROFESSIONAL ENGINEER

SHEET TITLE: TRANSIENT MOORINGS
PROJECT: KITTERY, MAINE BOATING INFRASTRUCTURE GRANT
PEPPERRELL COVE TOWN LANDING

DATE JUNE 2013
CONTRACT NO. 12-40
SHEET NO. C-4
REV. 0

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PLAN

DESIGN NOTES:
 1. CONCRETE 5000 PSI AT 28 DAYS.
 2. H-20 LOADING.
 3. PULLING EYES, DUCT OPENINGS, AND KNOCK OUTS CAST IN AS REQUIRED.
 4. JOINTS SEALED WITH BUTYL RUBBER JOINT SEALANT. AASHTO M-19

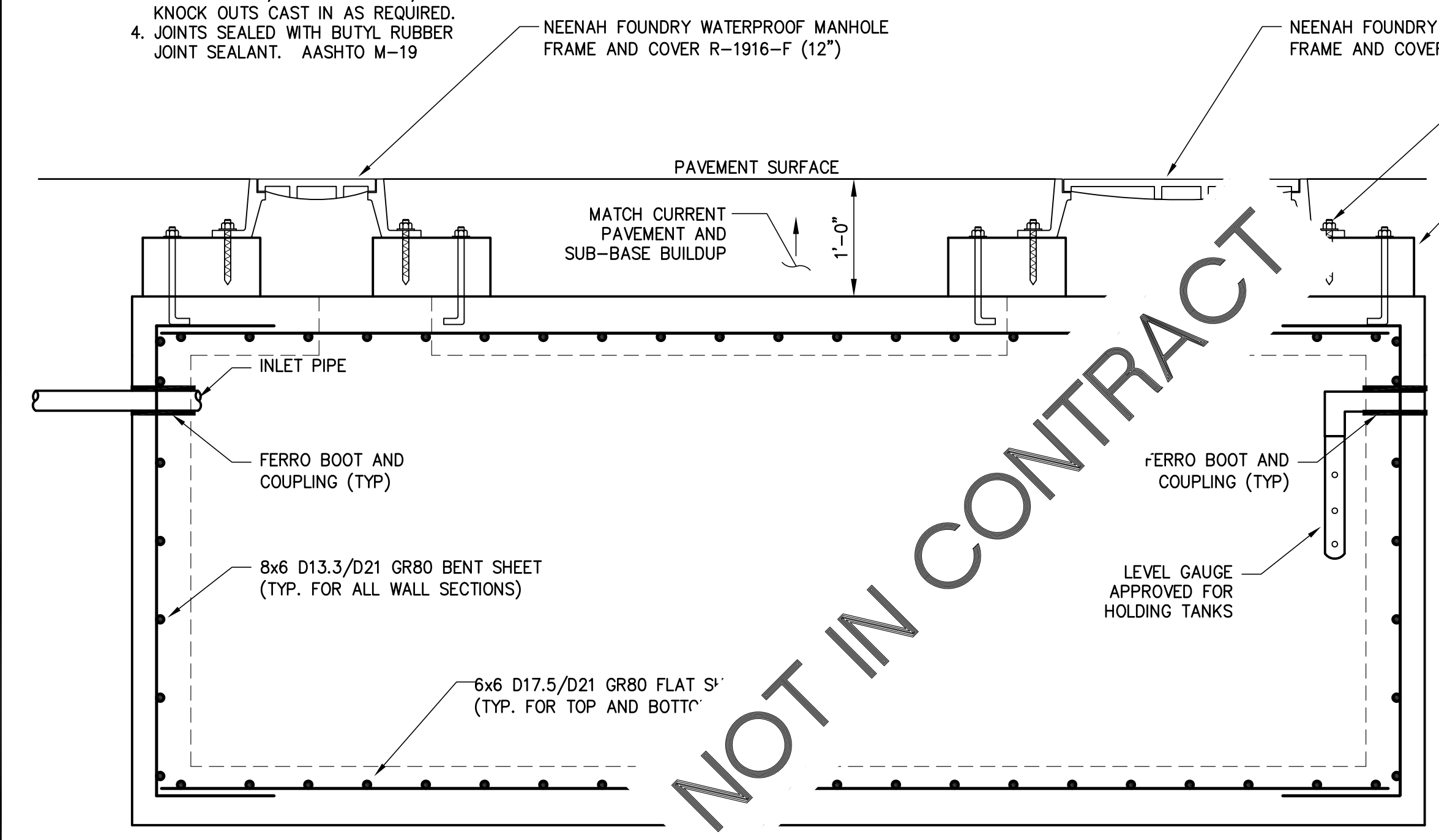
NEENAH FOUNDRY WATERPROOF MANHOLE FRAME AND COVER R-1916-F (24")

NEENAH FOUNDRY WATERPROOF MANHOLE FRAME AND COVER R-1916-F (24")

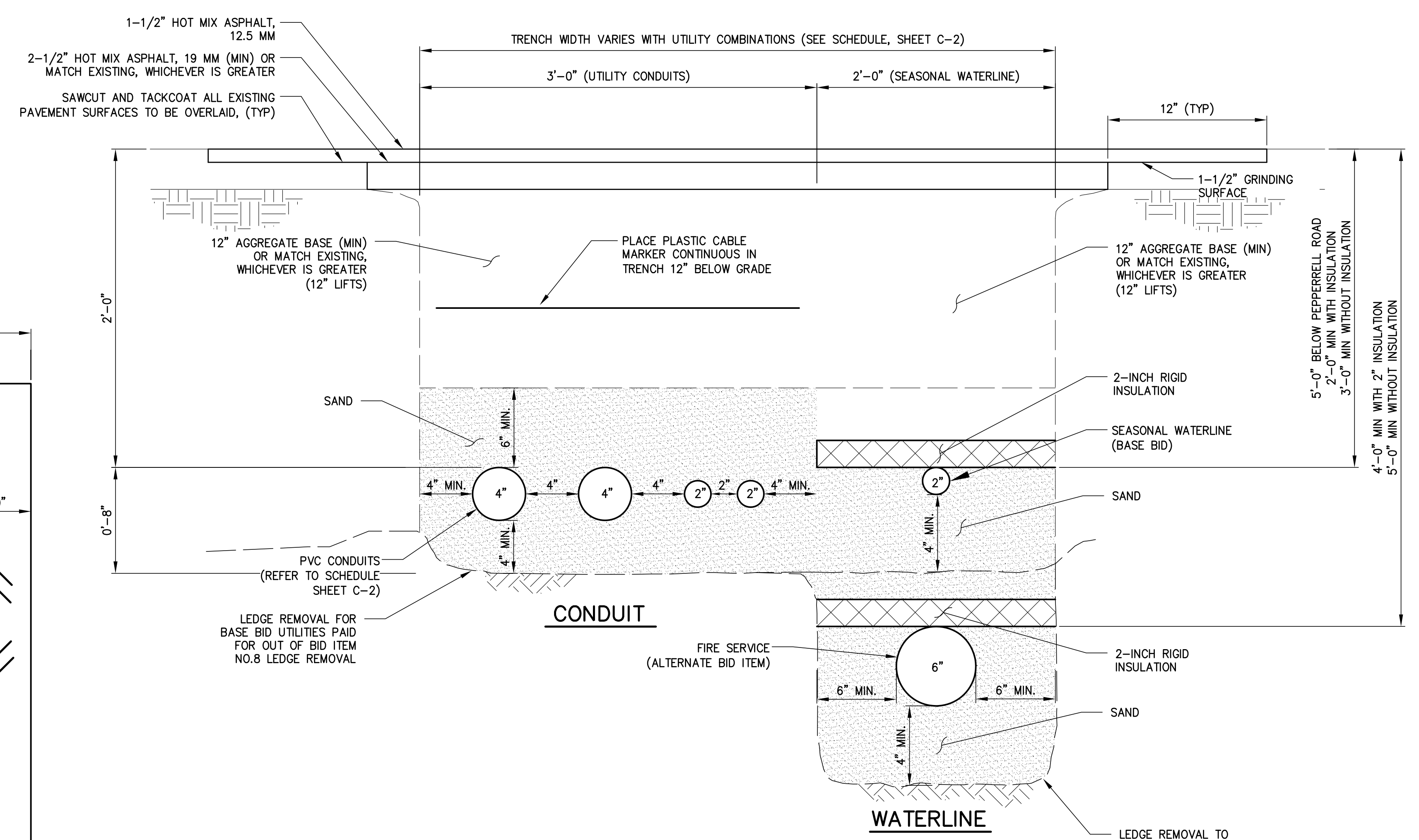
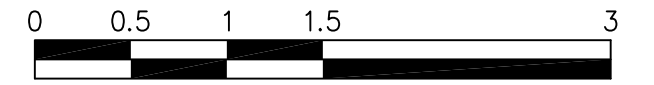
SEAL MANHOLE FRAME CONNECTION WITH LAG BOLTS AND MASTIC SEALANT TAPE

REINFORCED 1'-0" CONCRETE RING (TYP). SEAL TOP AND BOTTOM CONNECTIONS WITH ANCHOR BOLTS AND MASTIC SEALANT TAPE

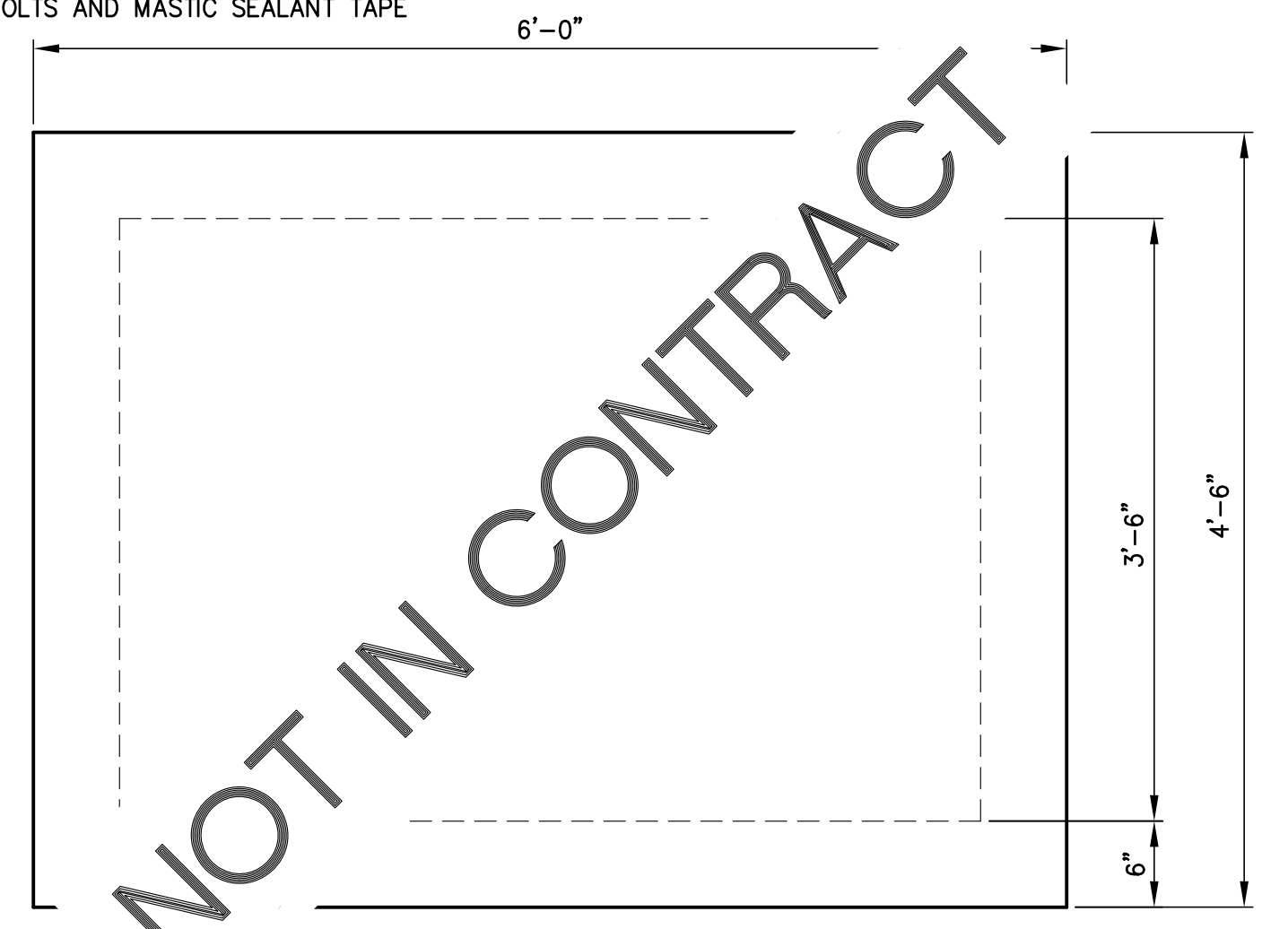
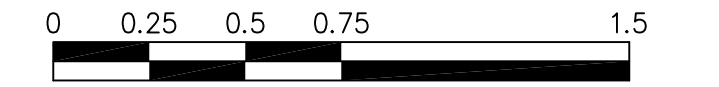
PRECAST CONCRETE OF MAINE ITEM #B-1201
 WEIGHT - TOP 13,000 LBS



PUMP OUT HOLDING TANK
 (1000 GALLONS)



UTILITY TRENCH DETAIL



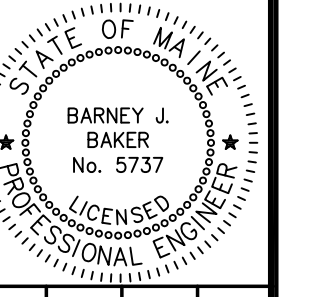
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NOT IN CONTRACT

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NO.	0	CONSTRUCTION SUBMISSION	DATE	6-18-13	BUB INT.
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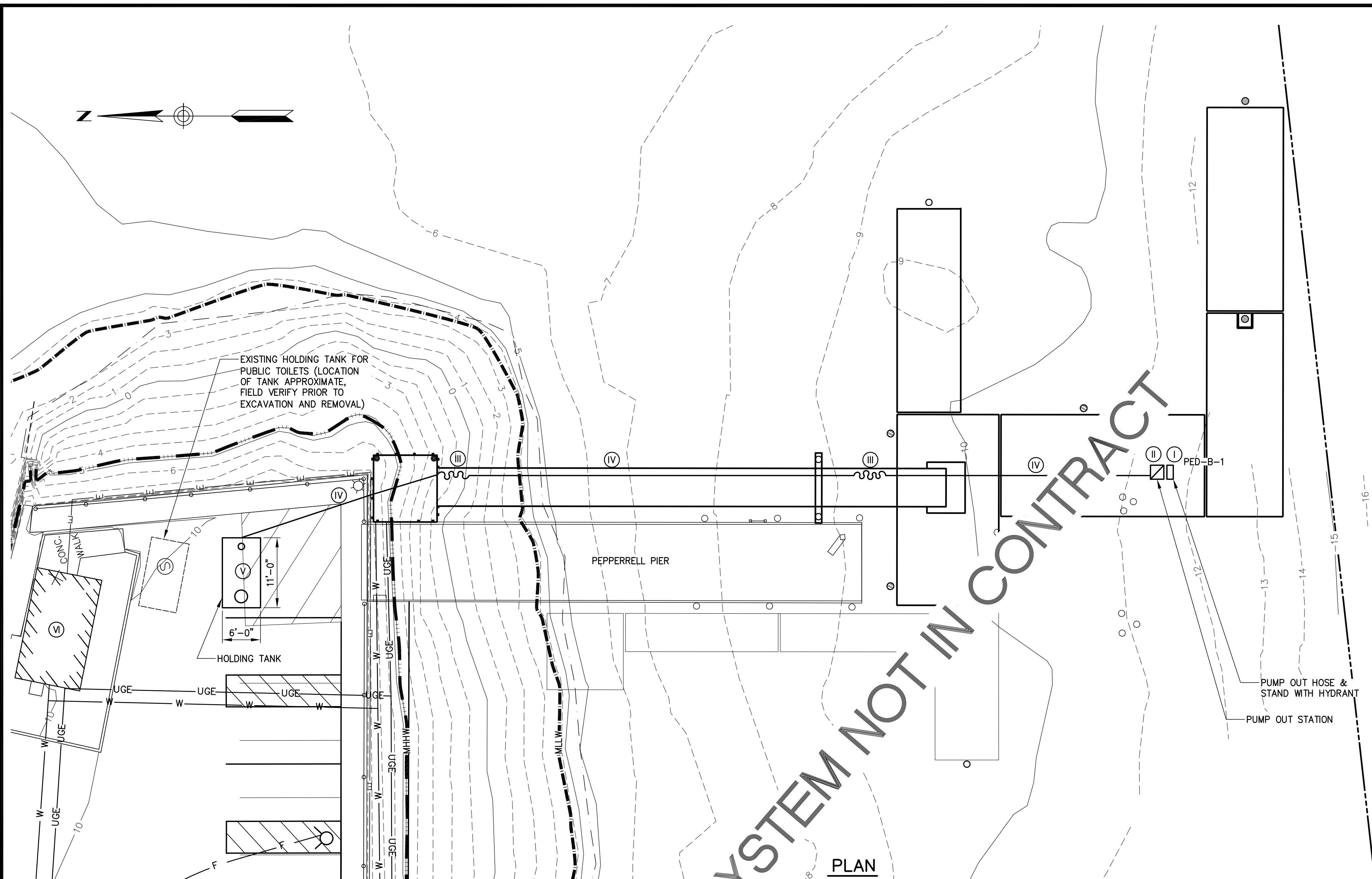


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CHECKED BY:	BUB	AS SHOWN
SCALE:	AS SHOWN	

SHEET TITLE: CIVIL DETAILS
 PROJECT: BOATING INFRASTRUCTURE GRANT
 KITTERY, MAINE
 PEPPERELL COVE TOWN LANDING

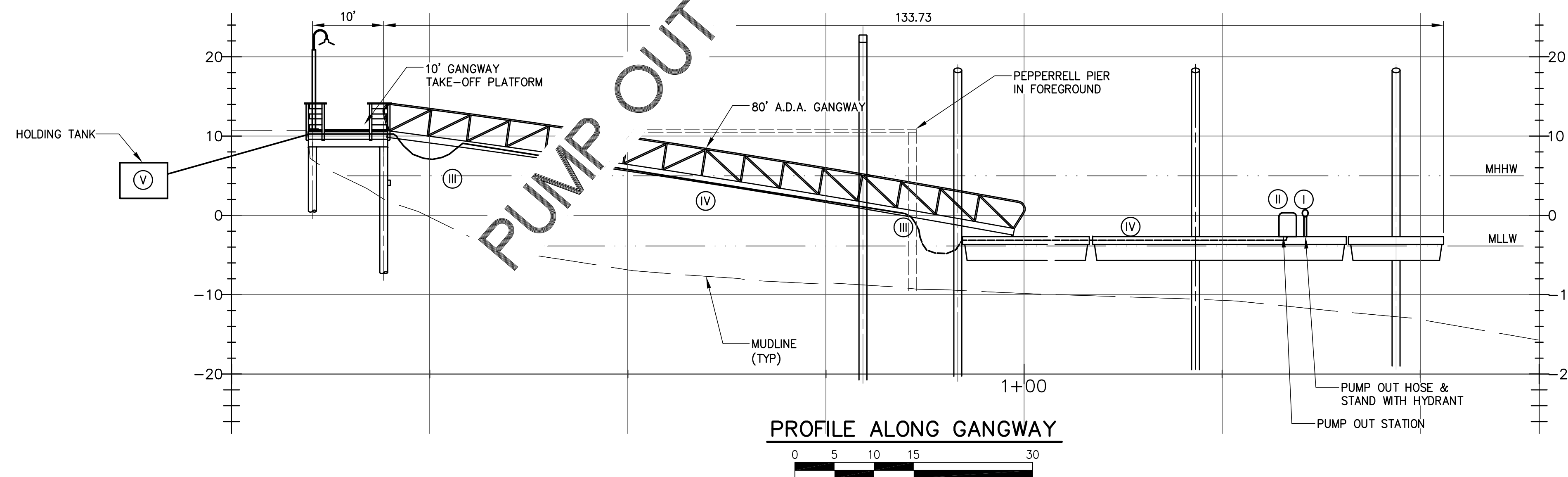
DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	C-5
REV.	0

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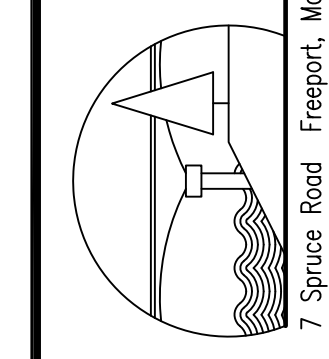
- KEY
- ⊙ PEDESTAL
 - PUMP OUT
 - ▭ HOSE STAND

KEY	PUMP OUT COMPONENT
I	HOSE AND STAND 25-ft Standard Pump-Out Hose 50-ft Pump-Out Hose Extension Connection Adaptor Kit
II	PARISTALTIC PUMP Control Panel and Hour Meter Suction Equalizer Pulsation Damper
III	FLEXIBLE COUPLING Stainless steel seasonal disconnect at gangway Flexible hose to accommodate tidal movement
IV	FIXED PIPING 2-inch HDPE SDR-11 Pipe mounted to underside of Gangway Stainless Steel Connections Mounted to underside of Gangway and Float Interior
V	HOLDING TANK Inspection Manhole Level Alarm in Harbor Masters Office
VI	Harbor Master Building Power Supply and Shut-off Meter Records and Adaptors

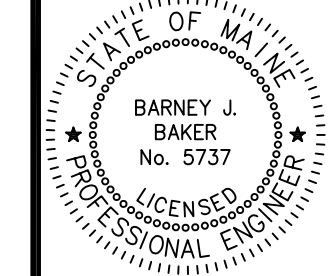


NOTES:
1. THE CONTRACTOR SELECTED FOR THE PUMP OUT SYSTEM INSTALLATION SHALL COORDINATE HIS ACTIVITY WITH THE BOATING INFRASTRUCTURE PROJECT.

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NO.	0
CONSTRUCTION SUBMISSION	6-18-13
DATE	INT.

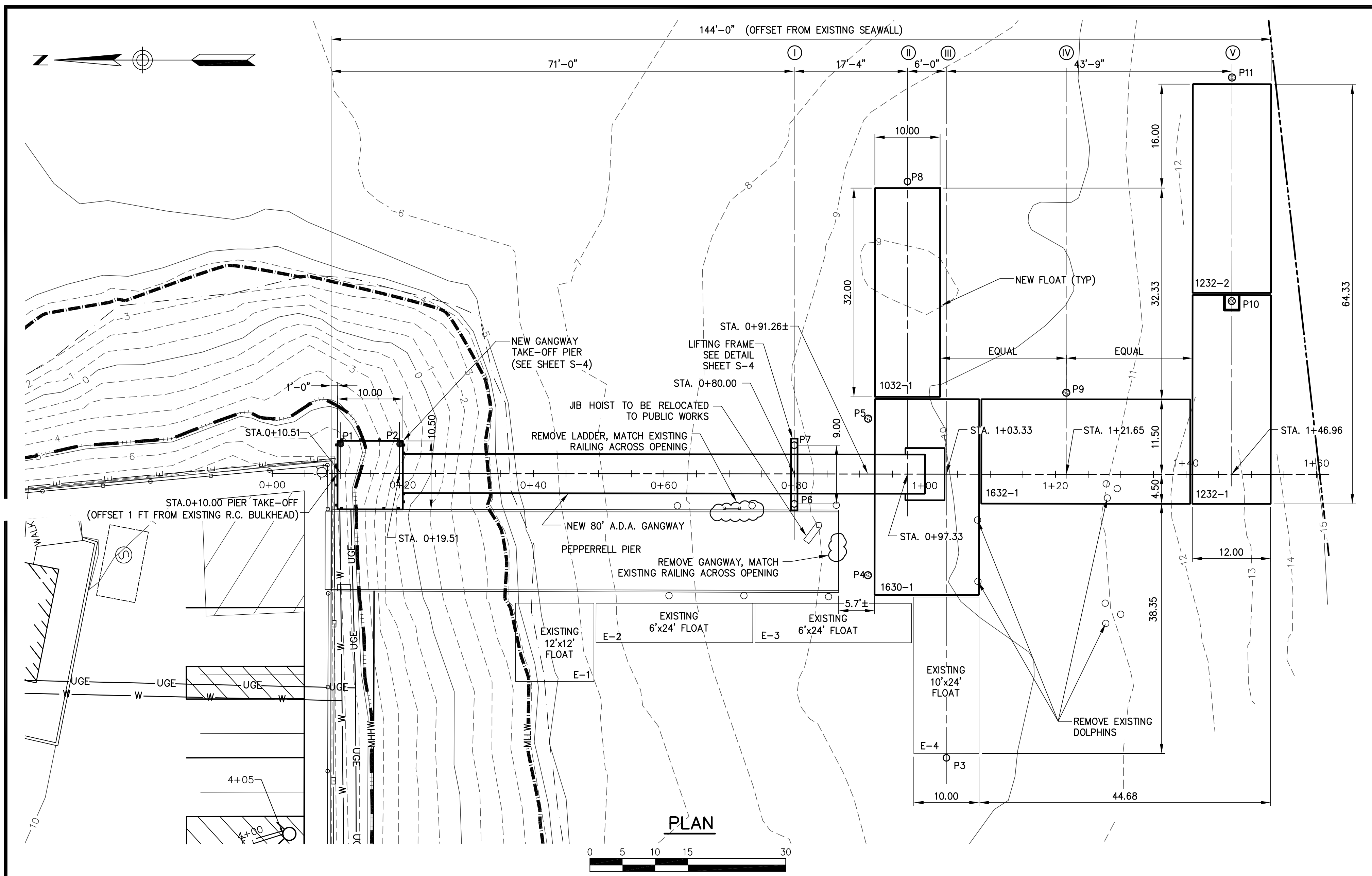


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DRAWN BY:	JUC
CHECKED BY:	BUB
SCALE:	AS SHOWN

SHEET TITLE: PUMP OUT SYSTEM
PROJECT: BOATING INFRASTRUCTURE GRANT
KITTERY, MAINE
PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	CP-1
REV.	0

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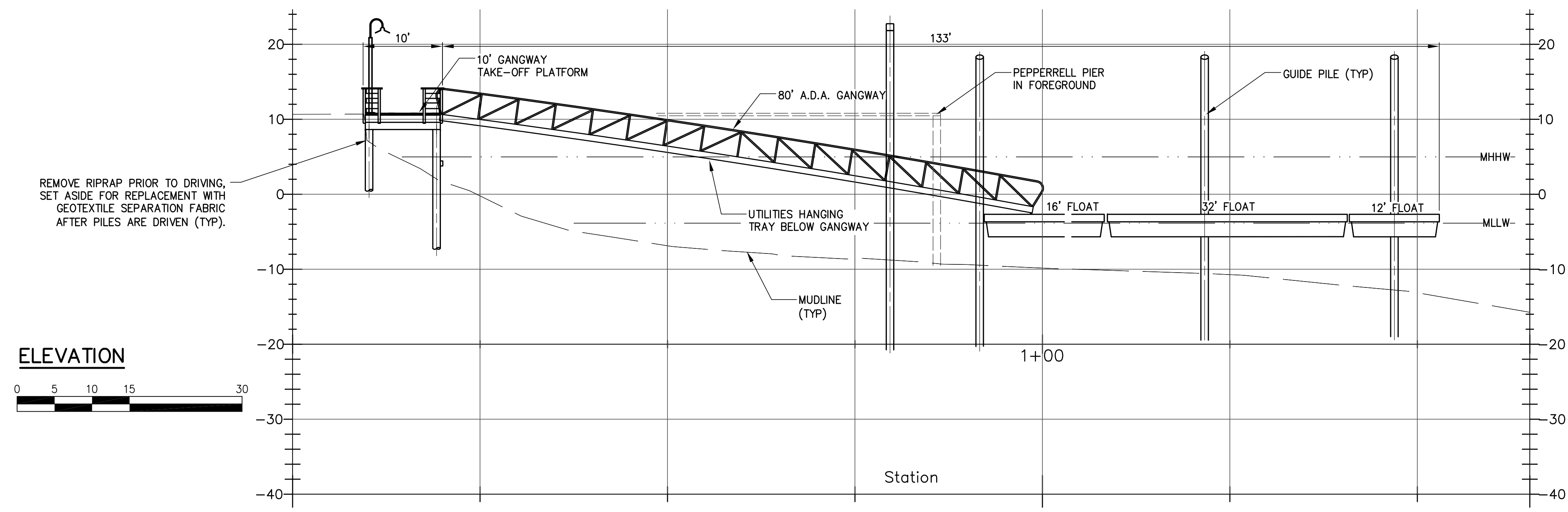


STEEL GUIDE PILES (Bid Item No. 8- Steel Piles, Bid Item No. 9- Rock Sockets)
Elevations based on NGVD 29 Datum

Pile	Pile Section Size				Cutoff Elev	Rock Socket Depth	Mudline Elev	Overburden	Ledge Elev	Pile Tip Elevation	Pile Length (min) FT
	Size	OD in	ID in	t in							
P 4	12	12.75	11.75	0.5	19.24	18.0	NA	>21.5	unknown	-39.5	60.0
P 5	12	12.75	11.75	0.5	19.24	18.0	NA	>21.5	unknown	-39.5	60.0
P 9	12	12.75	11.75	0.5	19.24	18.0	NA	>23.0	unknown	-40.6	60.0
P 10	12	12.75	11.75	0.5	19.24	18.0	6	-12.8	-9.0	-21.8	45.8
P 11	12	12.75	11.75	0.5	19.24	18.0	6	-12.8	-7.7	-26.5	44.5
Total Pile Length											270.3
No of Piles											5
Avg Pile Length FT											54.1

TIMBER PILES
Elevations based on NGVD 29 Datum

Timber Pile	Pile Type	Bid Item	Cutoff Elev	Mudline Elev	Overburden	Penetration	Pile Tip Elevation	Pile Length (min) FT
P 2		Bid Item 2	8.6	2.0	unknown	33.4	-31.4	40.0
Total Pile Length								75.0
No of Southern Yellow Pine Piles								2
Avg Pile Length FT								37.5
P 3	Greenheart	Bid Item 7	18.0	-9.5	>21.0	32.5	-42.0	60.0
P 6			22.0	-8.8	>23.5	29.2	-38.0	60.0
P 7			22.0	-8.8	>23.5	29.2	-38.0	60.0
P 8			18.0	-9.4	>22.5	32.6	-42.0	60.0
Total Pile Length								240.0
No of Greenheart Piles								4
Avg Pile Length FT								60.0



PROBES AT PROPOSED PILE LOCATIONS

PILE REF #	APPROX. MUDLINE/RIPRAP ELEV.	APPROX. TOP OF HARD STRATUM	APPROX. TOP OF SOFT STRATUM	APPROX. LEDGE ELEV.
P1	9.0	-17.5	-24.5	---
P2	2.0	-17.5	-24.5	---
P3	-9.5	-19.5	-25.5	---
P4	-9.3	-19.8	-26.8	---
P8	-9.4	-23.4	-34.4	---
P9	-10.5	-18.5	-25.5	---
P10	-13.0	---	---	-21.8
P11	-14.0	---	---	-20.5

ALL ELEVATIONS ARE REFERENCED TO NGVD29 DATUM BASED ON CIVIL CONSULTANTS SURVEY

NOTES:
1. PROPOSED PILE LOCATIONS ARE BASED ON FLOAT POSITION AND NEED TO BE ADJUSTED FOR GUIDE BRACKET OFFSET AND FLOAT SHOP DRAWINGS.

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CHECKED BY: BJB
SCALE: AS SHOWN

STATE OF MAINE
BARNEY J. BAKER
No. 5737
LICENSED PROFESSIONAL ENGINEER

PIER PLAN AND ELEVATION

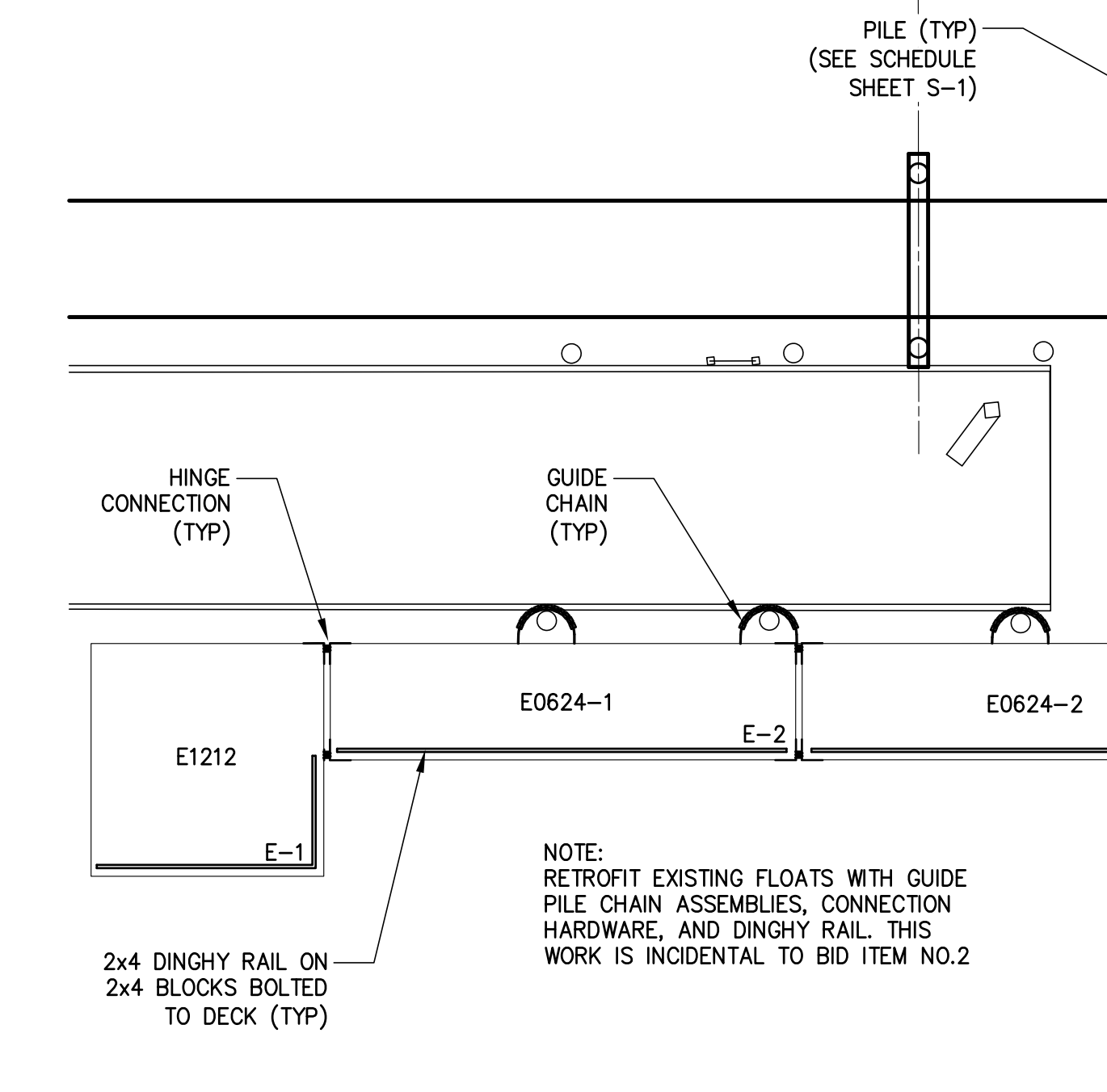
PROJECT: BOATING INFRASTRUCTURE GRANT
PEPPERRELL COVE TOWN LANDING

SHEET TITLE: PIER PLAN AND ELEVATION

DATE: JUNE 2013
CONTRACT NO.: 12-40

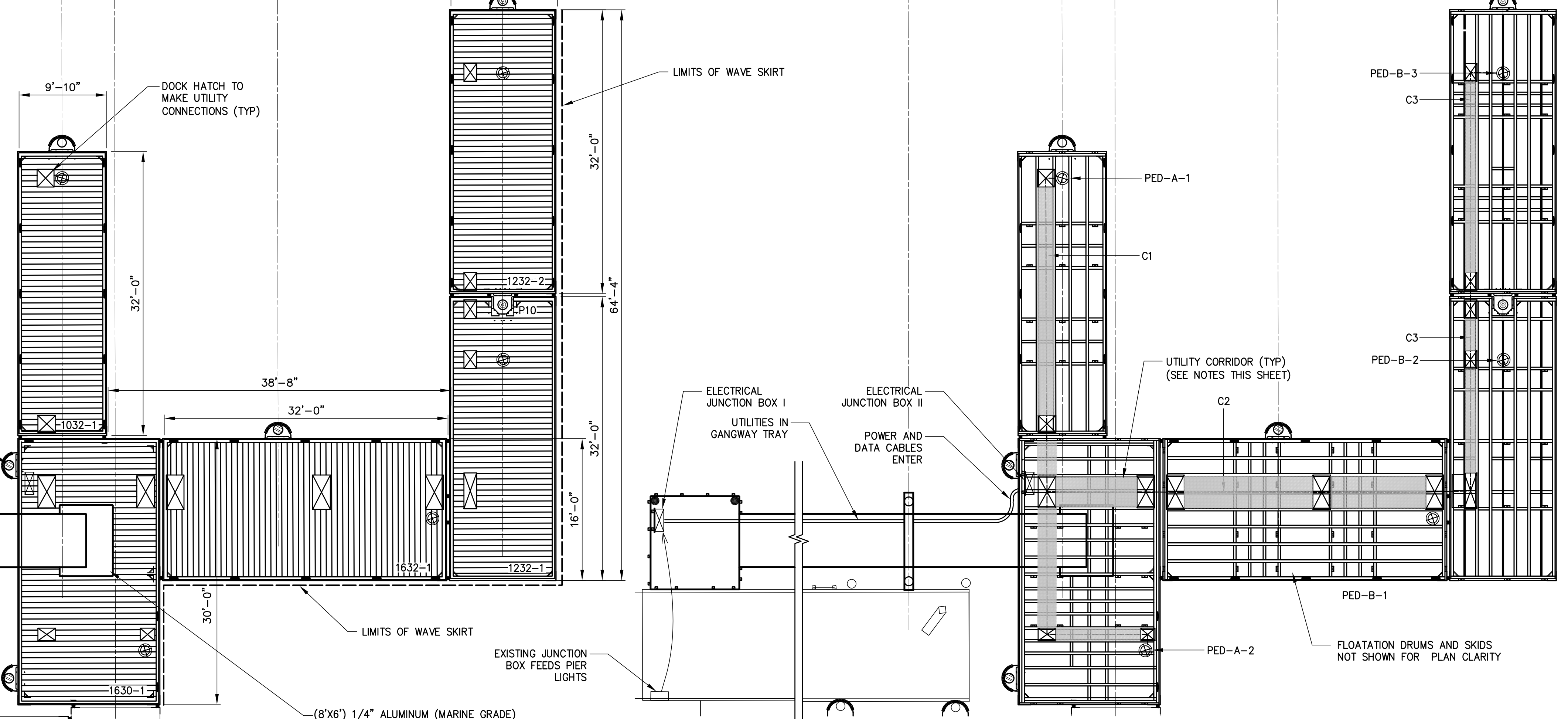
SHEET NO. 9-1 REV. 0

FLOAT SCHEDULE						
Mark	Width FT	Length FT	Area SF	Cleats Footnote	(See Bid Item Notes)	Ref Drngs
PROPOSED						
1032-1	10	32	320	Type A -10 (5 each Face)	Bid Item No. 4 Timber Float (10-ft Wide)	S-5
1232-1	12	32	384	Type B -10 (5 each Face)	Bid Item No. 6 Timber Float (12-ft Wide)	S-6
1232-2	12	32	384	Type B -10 (5 each Face)	Timber Float (12-ft Wide)	S-6
1632-1	16	32	512	Type B -10 (5 each Face)	Bid Item No. 6 Timber Float (12-ft Wide)	S-6
1630-1	16	30	480	Type B -3 Front Face	Timber Float (16-ft Wide)	S-7
SUBTOTAL			2080			
EXISTING FLOATS REUSED						
E1	12	12	144	Provide continuous dinghy rail as show on deck plan.	Installation and refitting is part of Bid Item 2- Pier Improvements; includes connection and guide pile hardware and dinghy rail.	S-2
E2	6	24	144			
E3	6	24	144			
E4	10	24	240			
SUBTOTAL			672			
TOTAL FLOAT AREA			2752			
Cleat Size/specification (Hot Dip Galvanized; Seaport Marine (800) 436-4400 or approved equal)						
Type A = 12 in		SPC 190 Ship				
Type B = 18 in		SPC 190 Ship				

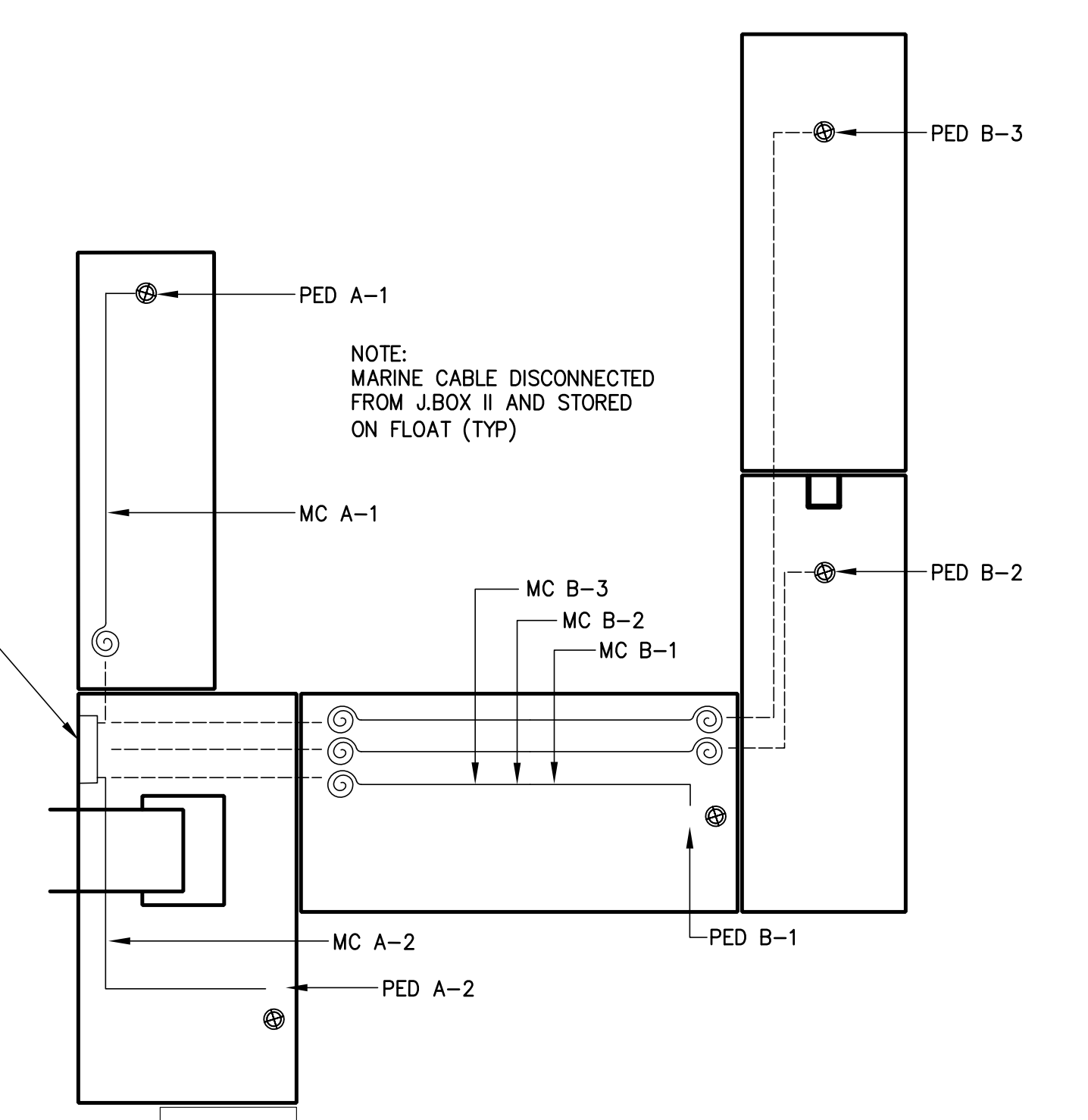


DECK PLAN

PEDESTAL/JUNCTION BOX SCHEDULE						
TYPE	No. of UNITS	SERVICES	CONNECTIONS			SUPPLIER/ MODEL
			No.	AMP	PANEL	
PED-A	2	Power	4	30	A	LIGHTHOUSE PEDESTAL Eaton Corp. (or Equal) (marinassales@eaton.com) with hinge down bases to facilitate winter storage.
		Water	2	Integral Bibs		
		Phone	2			
		Communication	2			
		Water	2			
PED-B	3	Power	2	30	A	
		Water	2	Integral Bibs		
		Phone	2			
		Communication	2			
		Light	Integral			
Junction Box	2	Power and Data Disconnects at top and Bottom of Gangway.	See Utility Notes This Sheet and mounting detail on Sheet S-8.			Provide Hoffman Type 4X Fiberglass Box Cat No. A36H3012GQRLP3PT or Equal



MARINE UTILITY PLAN



UTILITY DISCONNECTION PLAN

MARINE FLOAT SYSTEM

FLOAT UTILITY CORRIDOR

- ALL FLOAT UTILITIES (POWER, WATER, AND DATA) MUST BE INSTALLED WITH THE ABILITY TO SEPARATE AND REINSTALL INDIVIDUAL FLOATS EACH SEASON AND IN ADVANCE OF A SIGNIFICANT STORM EVENT WITHOUT DAMAGING THE INTEGRITY OF THE UTILITY SYSTEM COMPONENTS. REFER TO THE UTILITY DISCONNECTION PLAN SHOWN ON THIS SHEET.
- EACH FLOAT WITH A MARINE PEDESTAL SHALL HAVE A SERIES OF DECK HATCHES THAT ACCESS A DESIGNATED UTILITY CORRIDOR. REFER TO THE DECK PLAN AND MARINE UTILITY PLAN THIS SHEET.
- EACH PEDESTAL SHALL BE SERVED BY AN INDIVIDUAL TYPE G MARINE CABLE OF SUFFICIENT LENGTH TO RUN FROM THE PEDESTAL TO THE DOCK MOUNTED JUNCTION BOX ON FLOAT 1630-1.
- THE JUNCTION BOX ON FLOAT 1630-1 SHALL SERVE AS THE CONNECTION POINT FOR ALL POWER AND DATA SERVICES THAT FEED THE FLOAT SYSTEM VIA THE GANGWAY. THE JUNCTION BOX LOCATED AT THE TAKE-OFF PIER SHALL PROVIDE A DISCONNECT FOR ALL POWER AND DATA SERVICES FEEDS TO ALLOW THE GANGWAY TO BE REMOVED FORM THE SITE WITH SERVICES ATTACHED.
- WATER LINES LEADING TO EACH PEDESTAL SHALL BE PERMANENTLY INSTALLED IN EACH FLOAT WITH QUICK RELEASE DISCONNECTS AT EACH FLOAT JOINT.

CONNECTION HARDWARE

- REFER TO HARDWARE SCHEDULE OFN SHEET S-5. ALL FLOAT HARDWARE SHOWN ON FRAMING PLANS S-5 TO S-8 IS BASED ON CUSTOM FLOATS CATALOG www.customfloats.com/catalog; PHONE 1-888-844-9666.
- SUBSTITUTION HARDWARE WILL BE ALLOWED SUBJECT TO SUPPLIER/MANUFACTURER SUBMITTAL APPROVAL.
- CUSTOM HARDWARE MAY BE REQUIRED TO ACCOMMODATE PROPOSED FLOAT LAYOUT AND DOUBLE EDGE BEAMS.

UTILITY ACCESS HATCHES

- ACCESS HATCHES SHALL BE CONSTRUCTED TO MATCH DECKING MATERIAL AND SHALL BE ABLE TO RESIST THE SAME APPLIED LOADING.
- HATCHES SHALL HINGE SHALL BE FASTENED AT EACH CORNER WITH CAPTURED THREADED FITTINGS THAT CAN BE REMOVED BY HAND OR WITH A SCREWDRIVER.
- EACH HATCH SHALL BE TETHERED TO RESPECTIVE LOACATION WITH A LINE TO PREVENT LOSS OVERBOARD.

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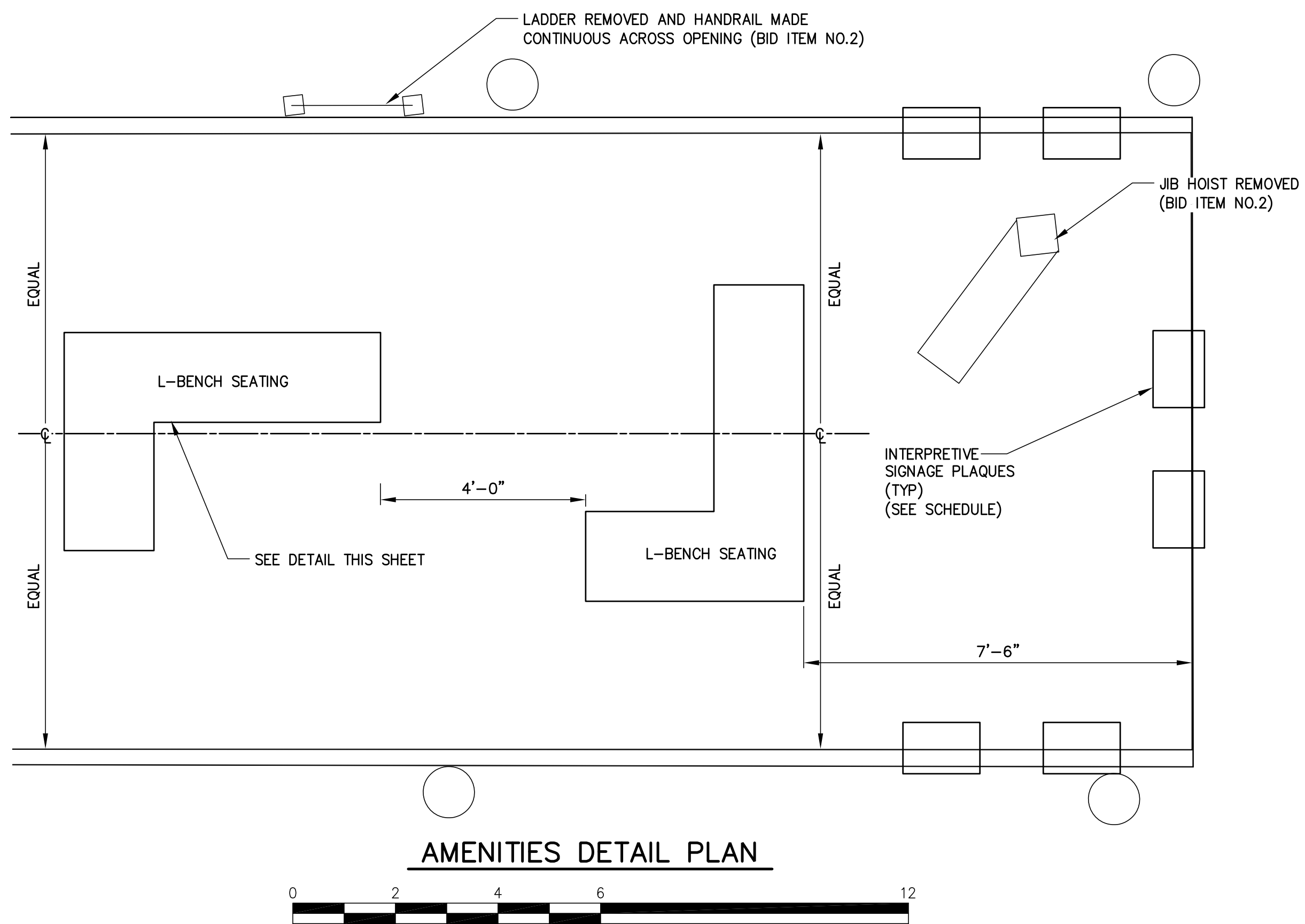
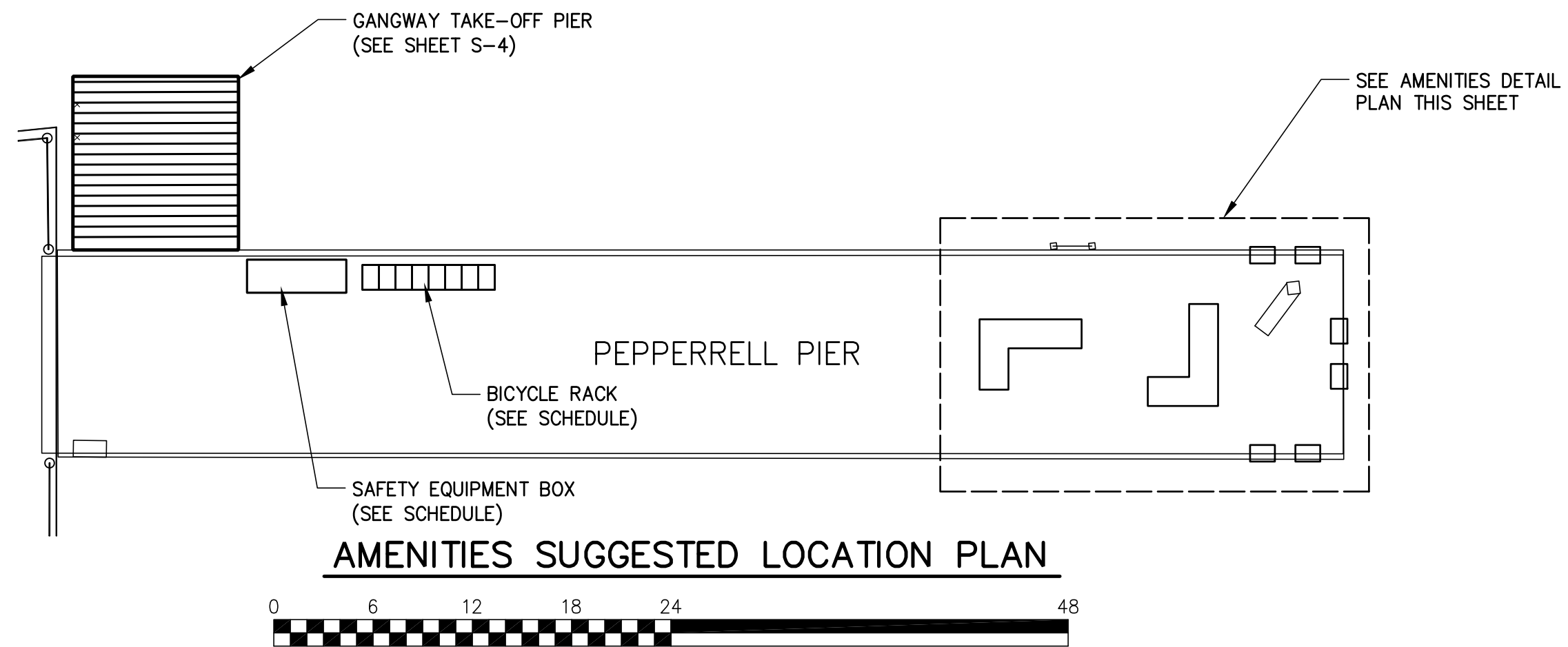
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PROJECT: **BOATING INFRASTRUCTURE GRANT**
KITTERY, MAINE
PEPPERELL COVE TOWN LANDING

DATE: JUNE 2013
CONTRACT NO.: 12-40
SHEET NO.: **S-2** REV.: 0

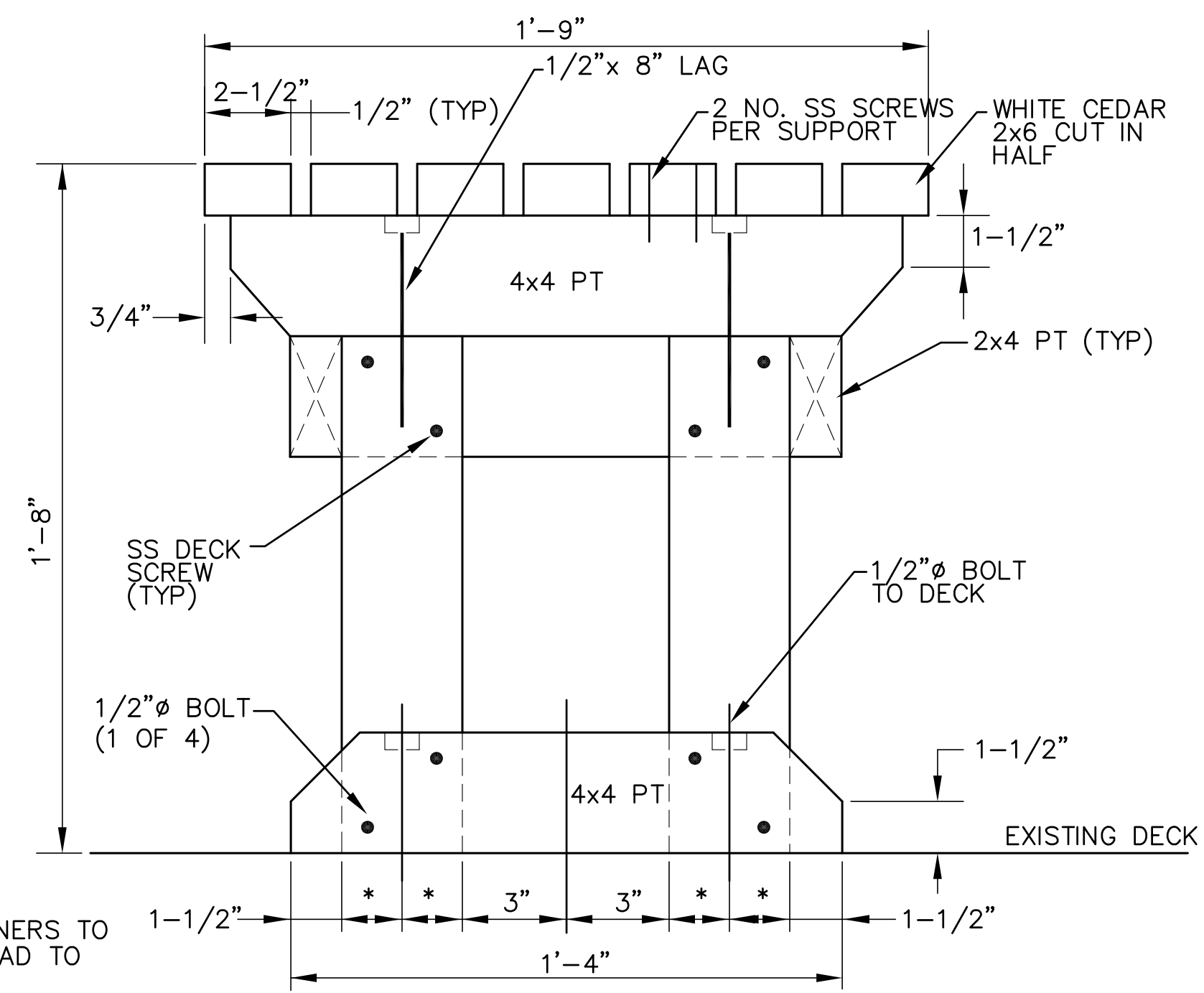
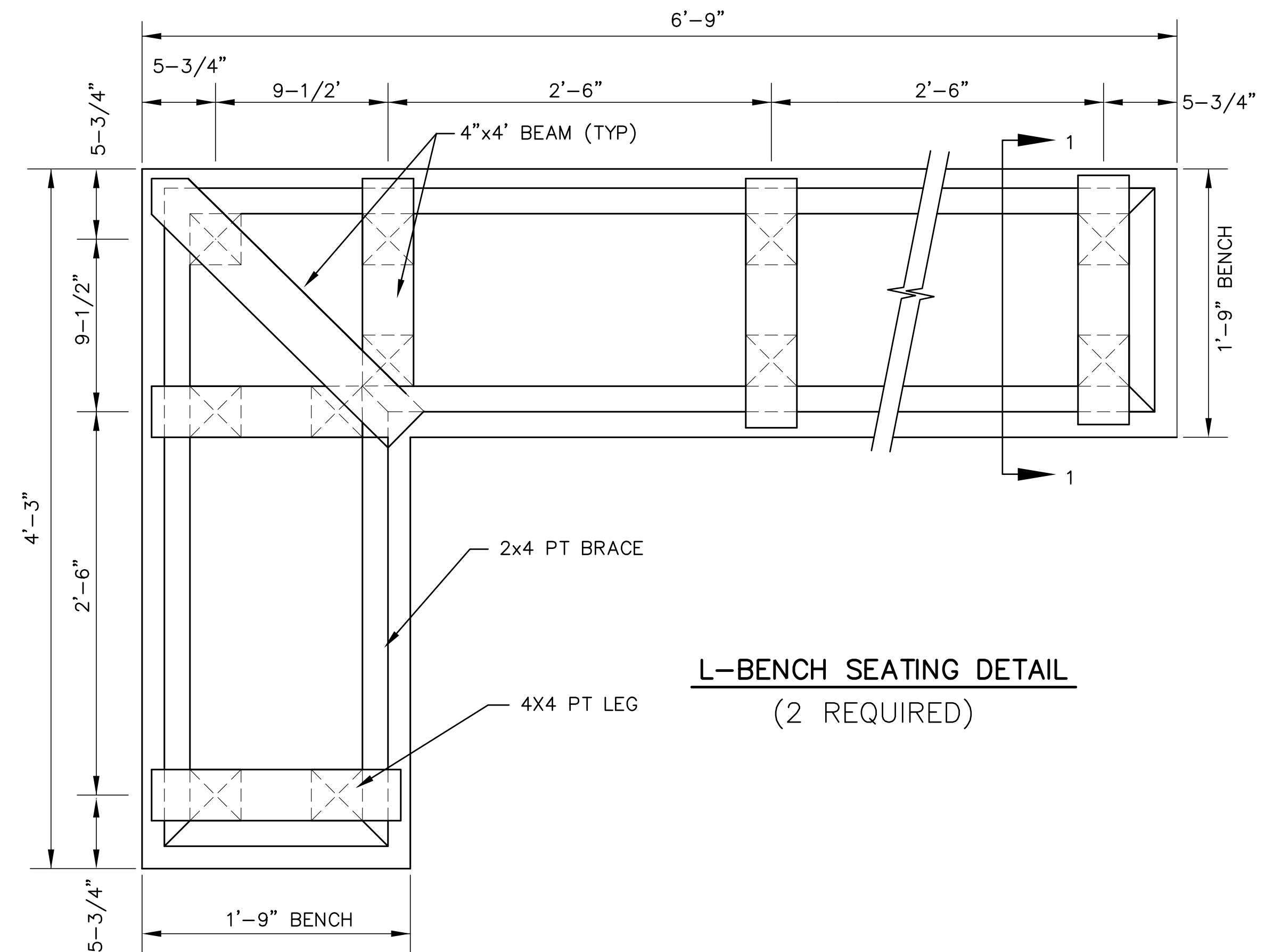
CONSTRUCTION SUBMISSION
NO. 0
DATE 6-18-13
BUB INT.

STATE OF MAINE
BARNEY J. BAKER
No. 5737
LICENSED PROFESSIONAL ENGINEER

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AMENITIES SCHEDULE		
AMENITY	DESCRIPTION	PAY ITEM
L-BENCH SEATING	BENCH SEATING FOR VISITORS	BID ITEM 2- PIER IMPROVEMENTS
SAFETY EQUIPMENT BOX	FIBERGLASS BOX	BID ITEM 11-ALLOWANCES
BICYCLE RACK	PROPRIETARY UNIT	
INTERPRETIVE SIGNAGE PLAQUES	PLAQUES PROVIDED BY TOWN TO BE INSTALLED BY CONTRACTOR	
LIFTING FRAME SIGN	SIGN OVER LIFTING FRAME DISPLAYING PIER NAME (SEE SHEET S-4)	



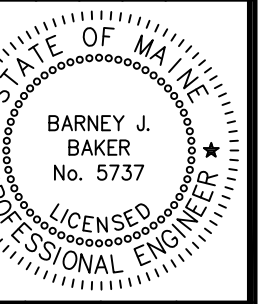
ALL BOLT FASTENERS TO BE CARRIAGE HEAD TO EXPOSED EDGE

* = 1-3/4"

SECTION 1-1

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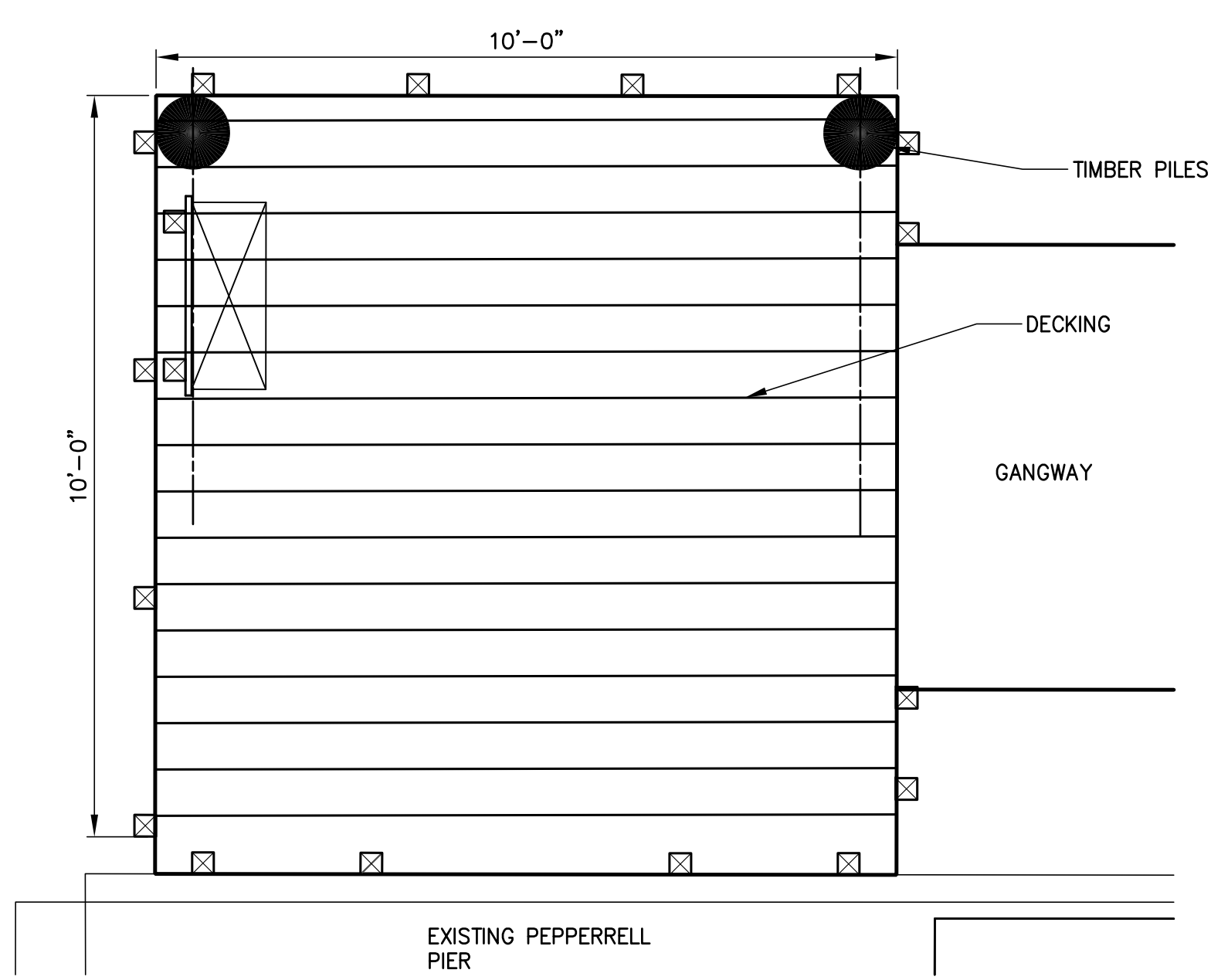
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CONSTRUCTION SUBMISSION					



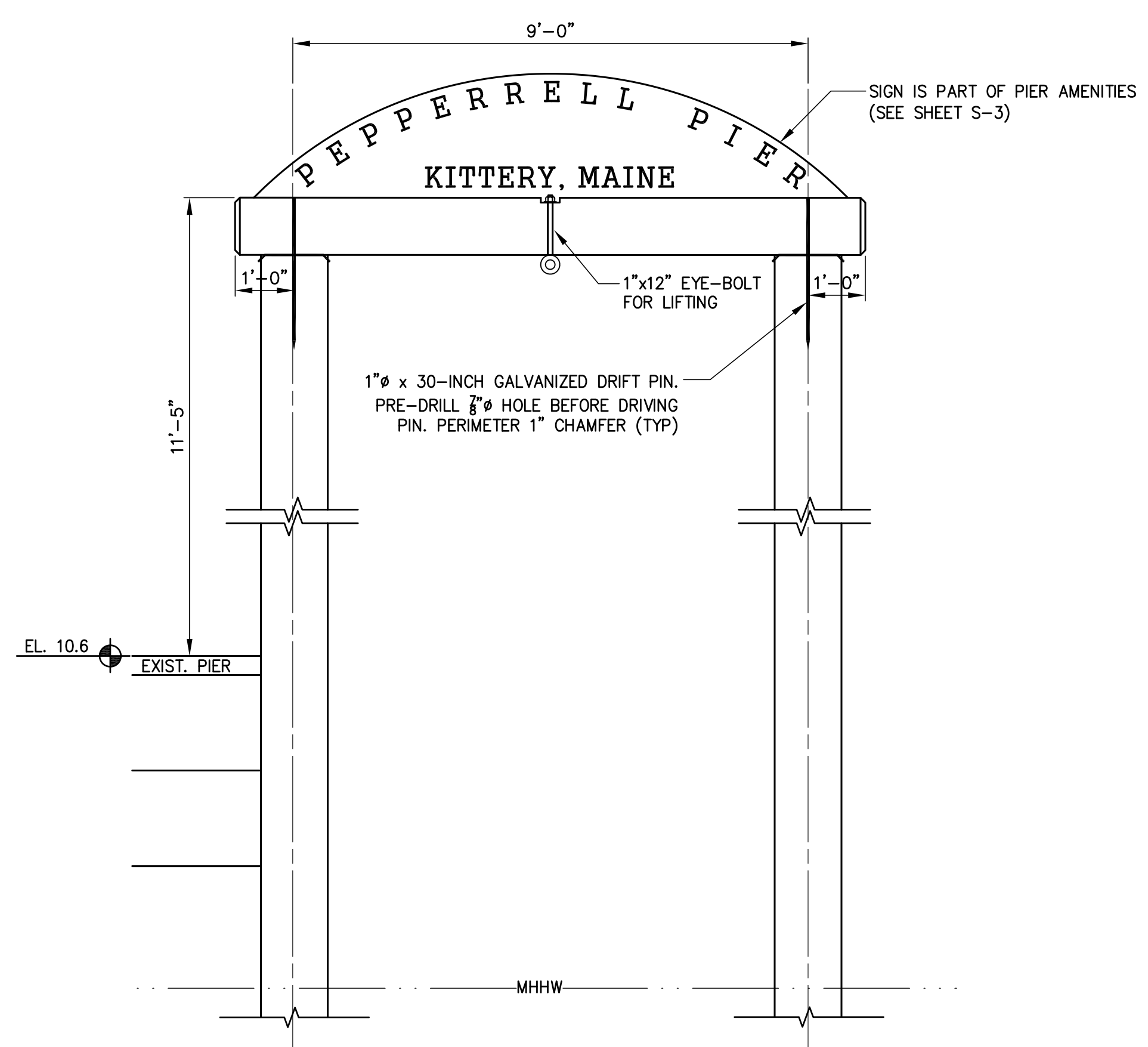
DESIGNED BY:	BJB	CHECKED BY:	BJB
DRAWN BY:	JUC	SCALE:	AS SHOWN

SHEET TITLE: **PIER AMENITIES**
PROJECT: **BOATING INFRASTRUCTURE GRANT**
KITTERY, MAINE
PEPPERRELL COVE TOWN LANDING

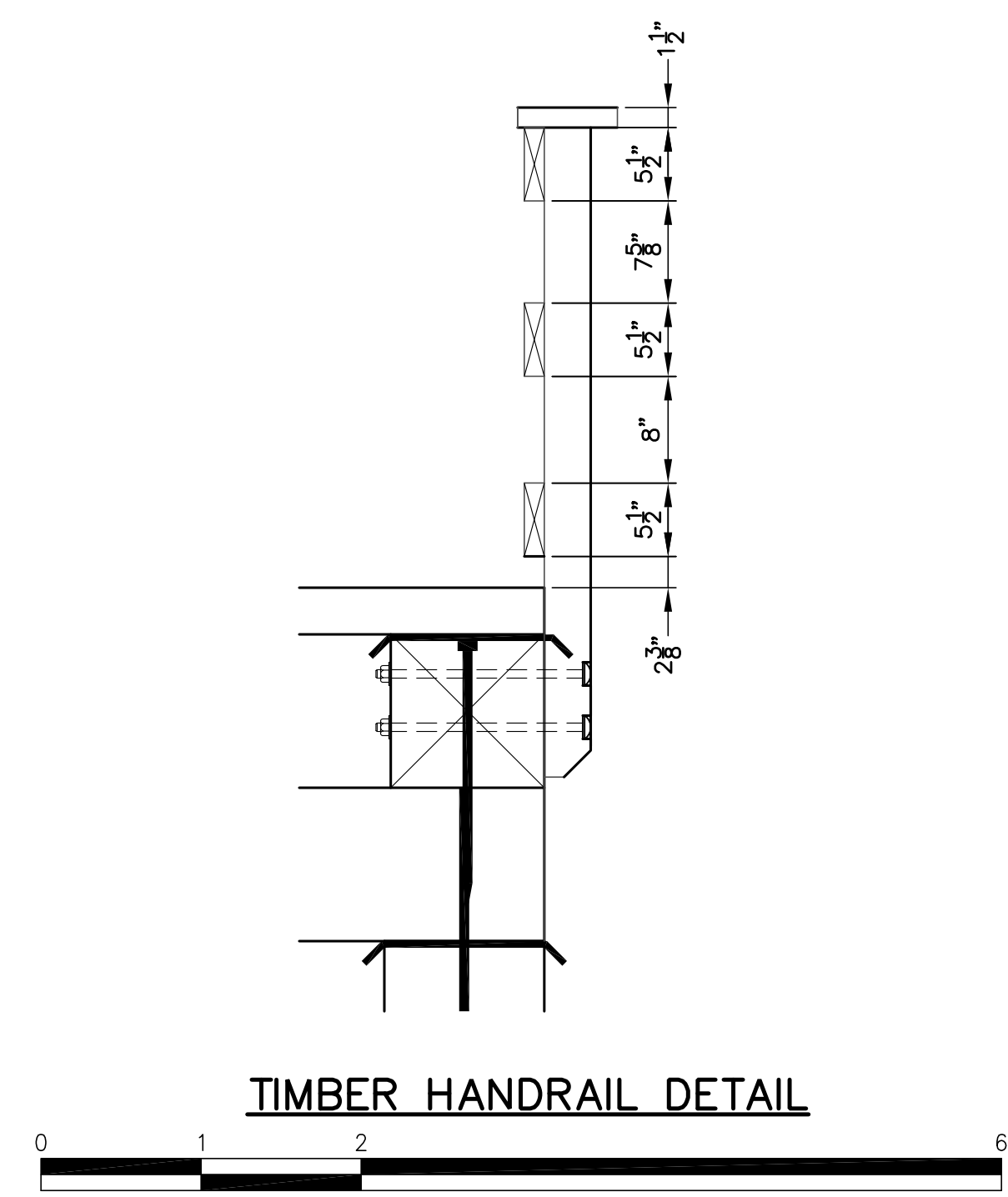
DATE	JUNE 2013
CONTRACT NO.	12-40
SHEET NO.	0
REV.	



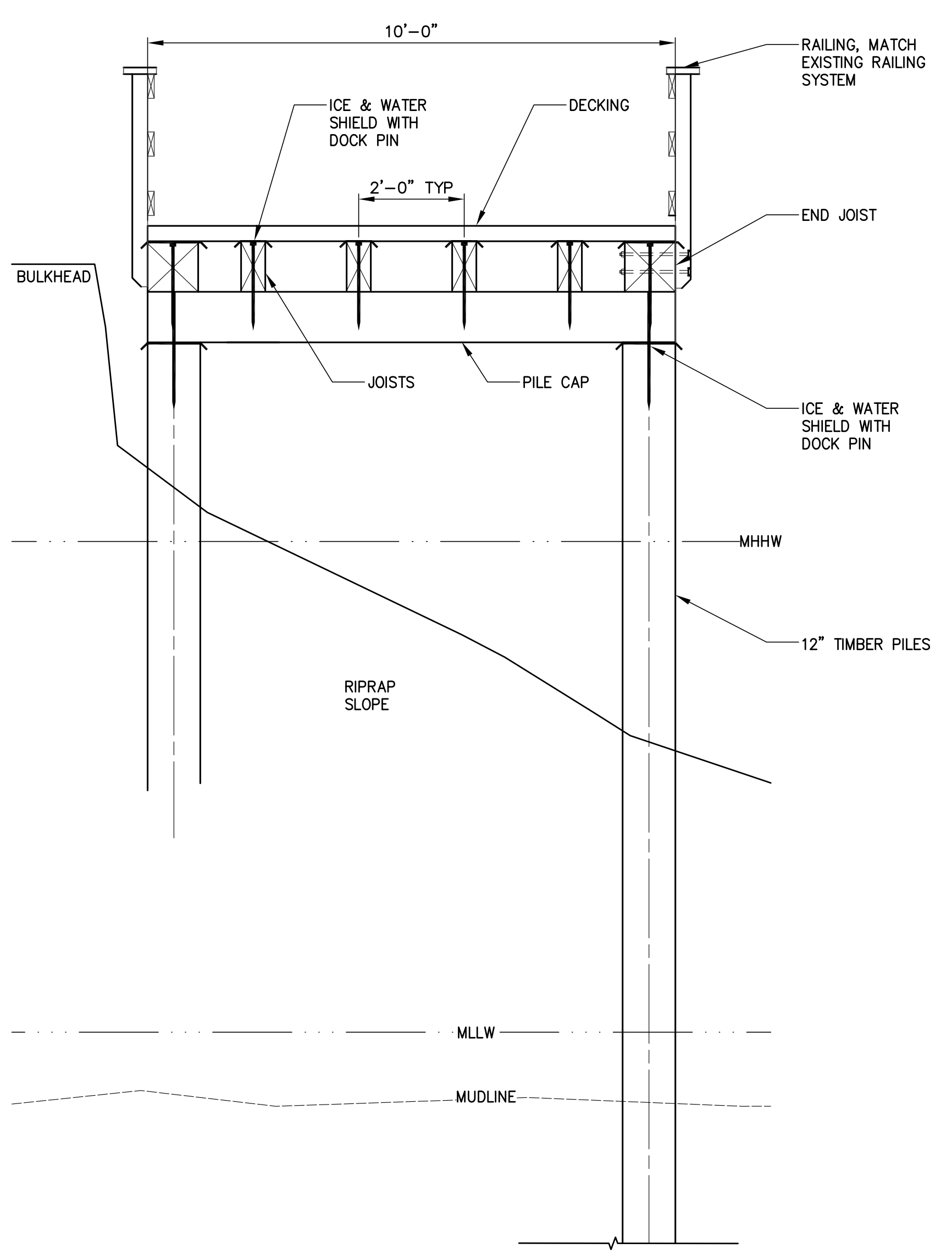
GANGWAY TAKE-OFF PLAN



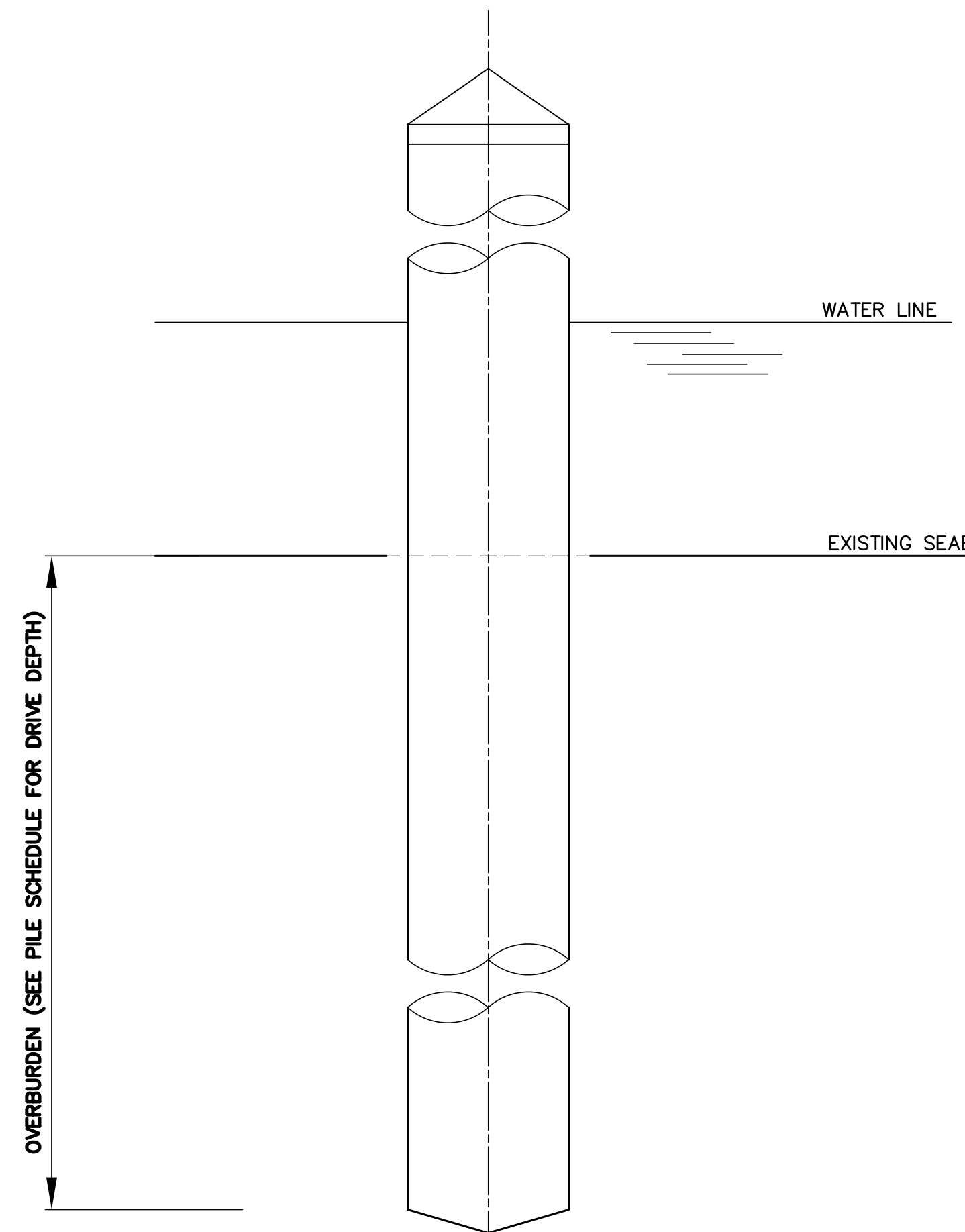
LIFTING FRAME DETAIL



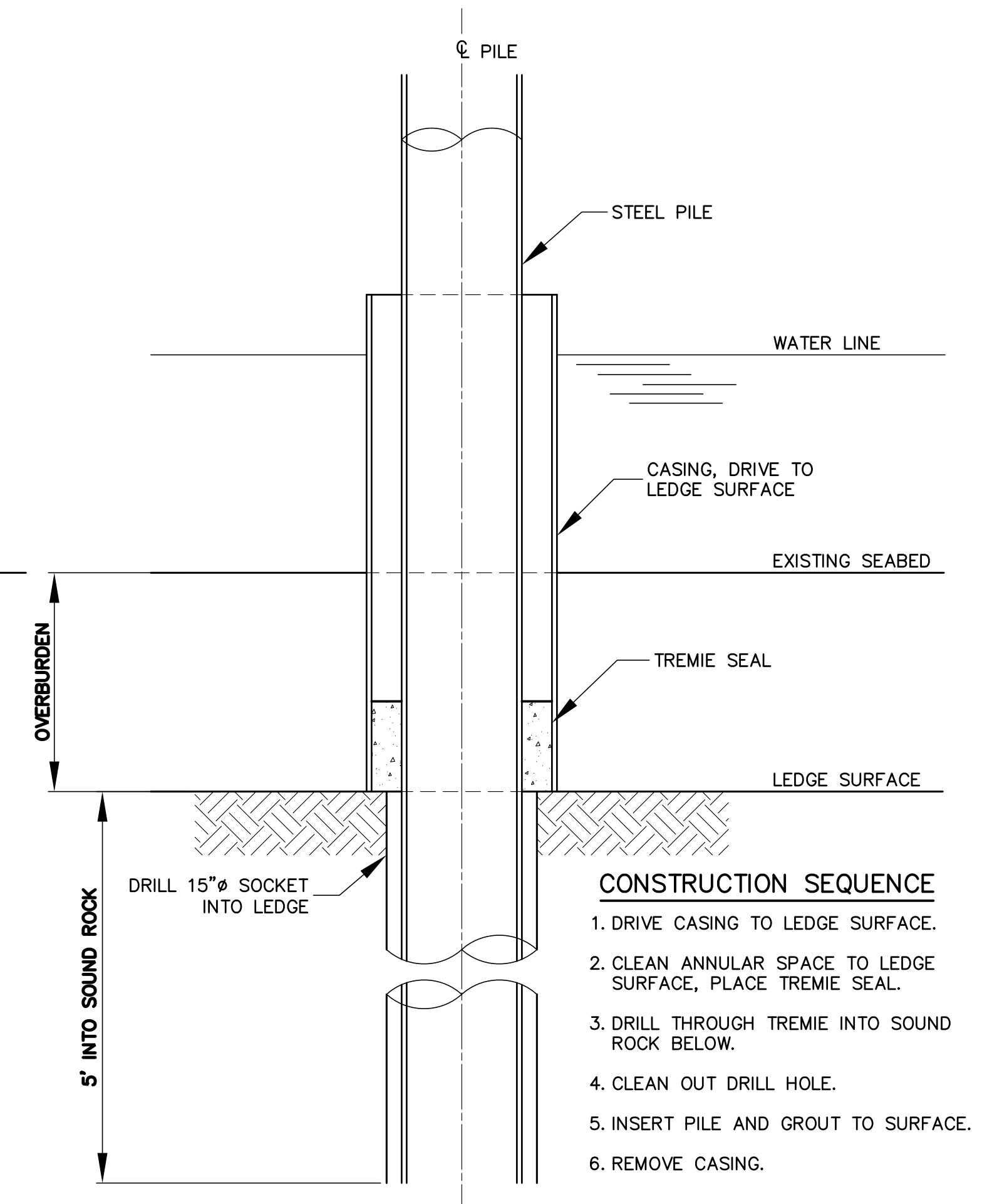
TIMBER HANDRAIL DETAIL



GANGWAY TAKE-OFF SECTION



TIMBER PILE DETAIL

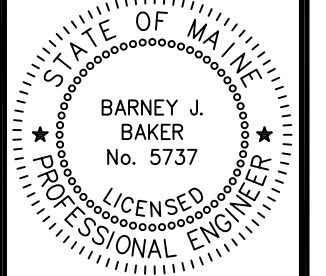


STEEL PILE SOCKET DETAIL

- CONSTRUCTION SEQUENCE**
1. DRIVE CASING TO LEDGE SURFACE.
 2. CLEAN ANNULAR SPACE TO LEDGE SURFACE, PLACE TREMIE SEAL.
 3. DRILL THROUGH TREMIE INTO SOUND ROCK BELOW.
 4. CLEAN OUT DRILL HOLE.
 5. INSERT PILE AND GROUT TO SURFACE.
 6. REMOVE CASING.

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NO.	0
CONSTRUCTION SUBMISSION	6-18-13
DATE	INT.
DATE	INT.

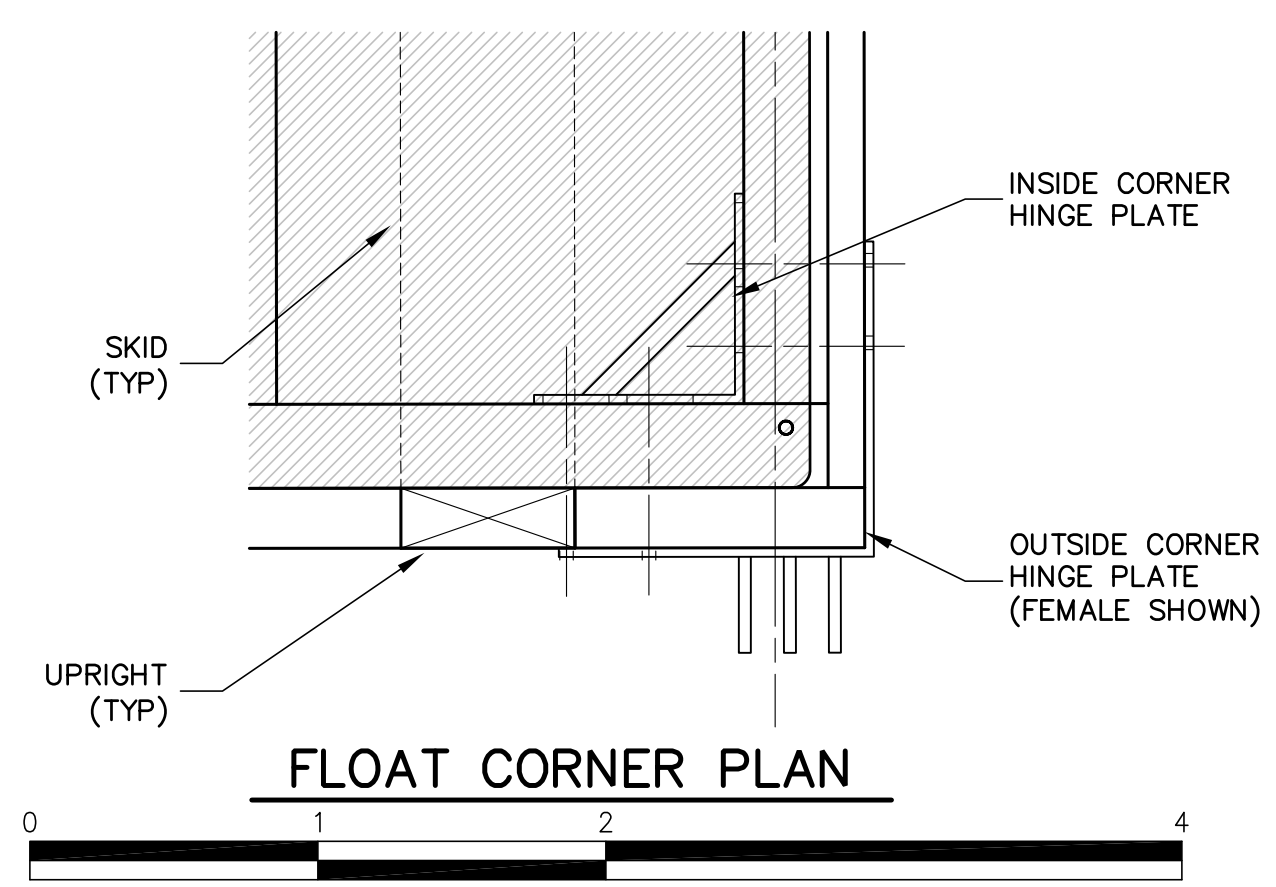
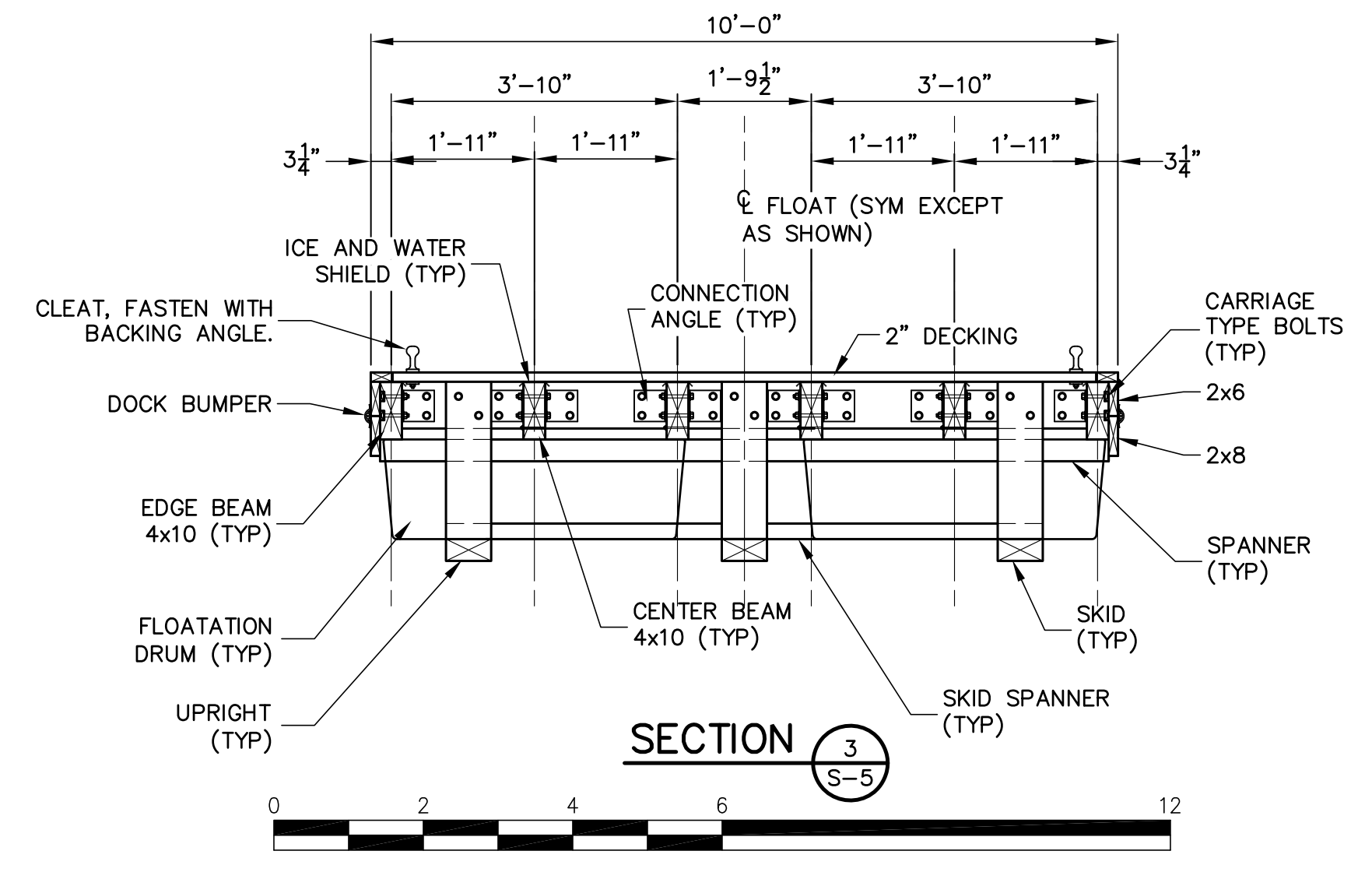
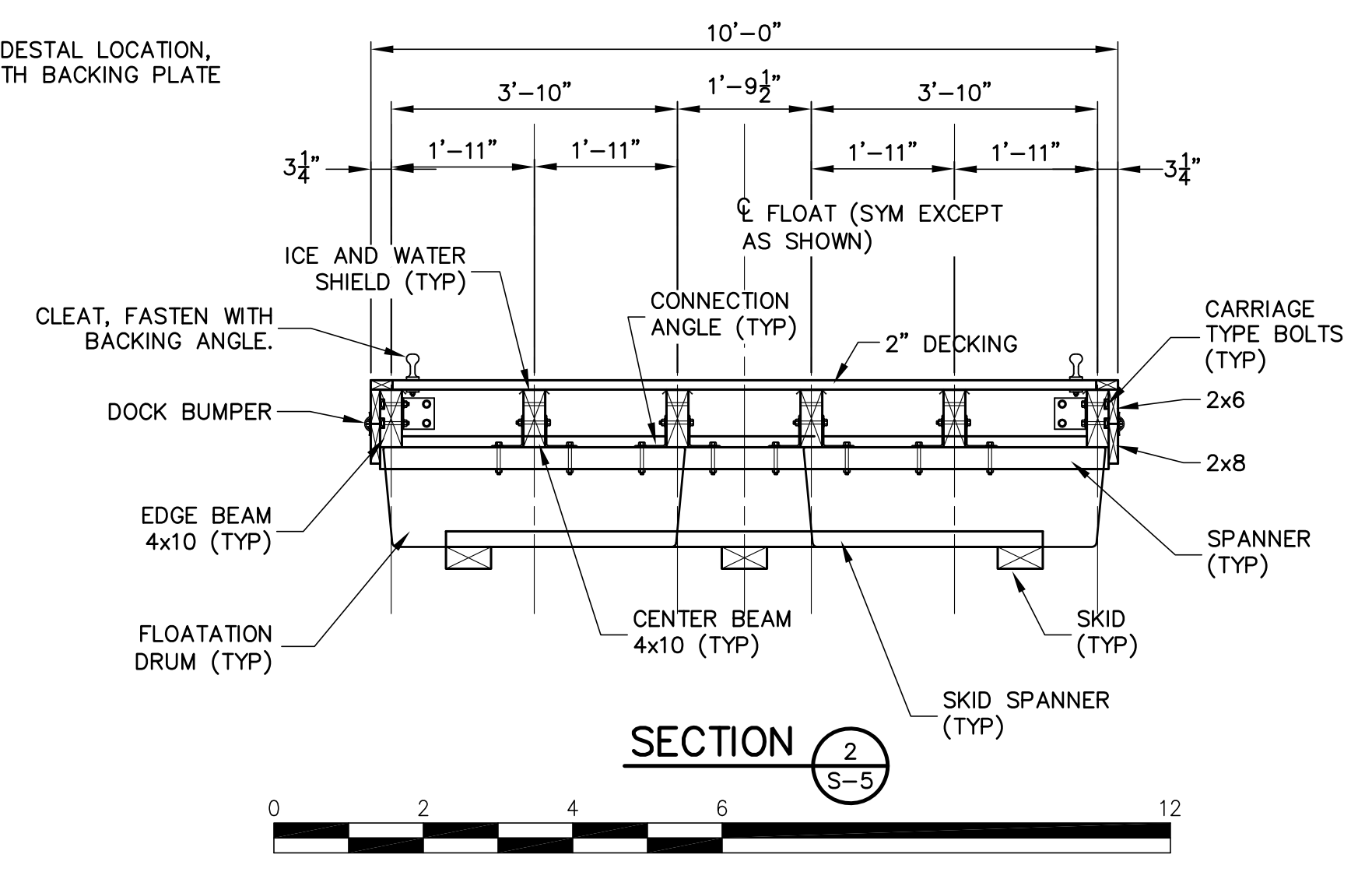
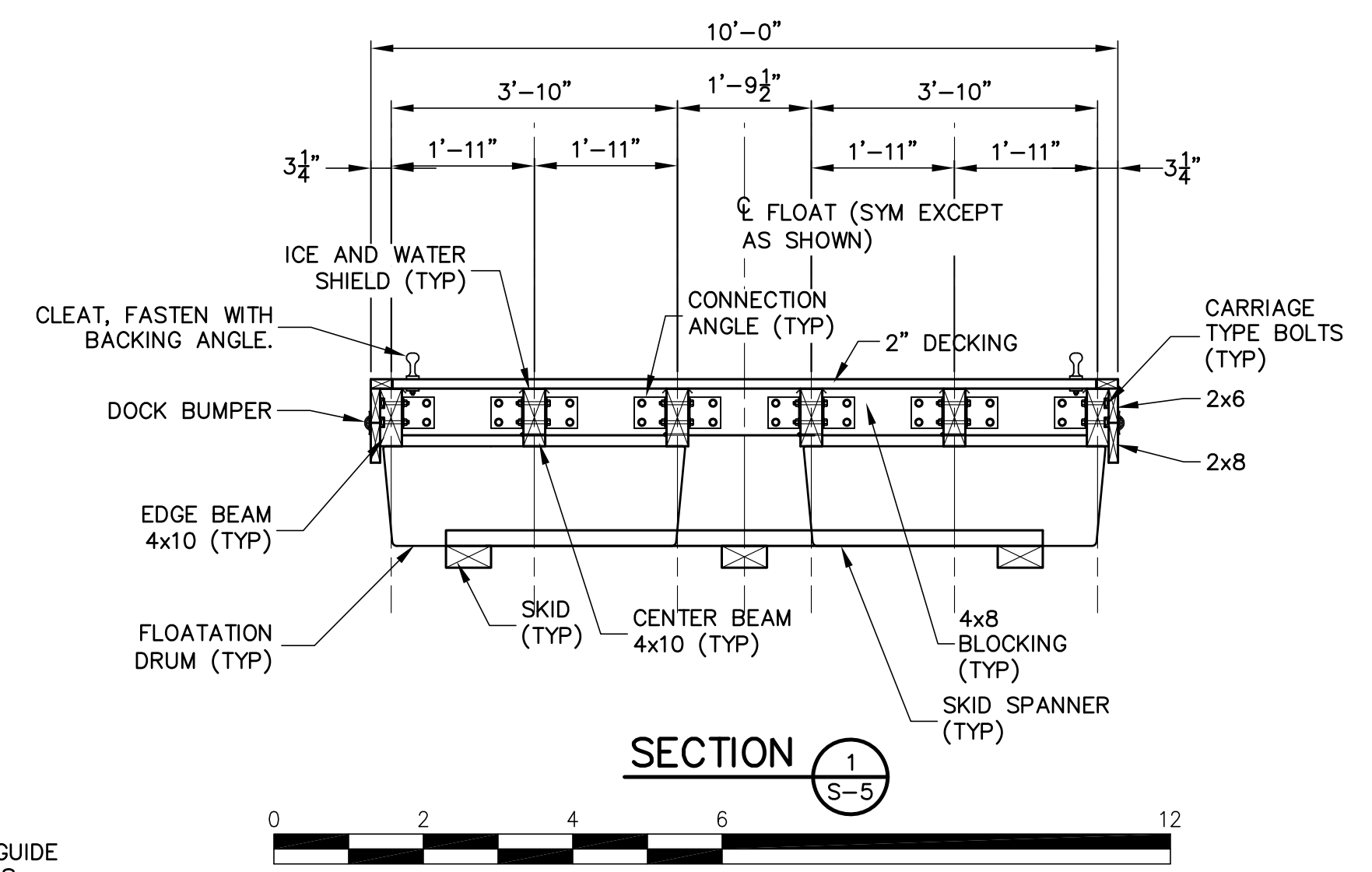
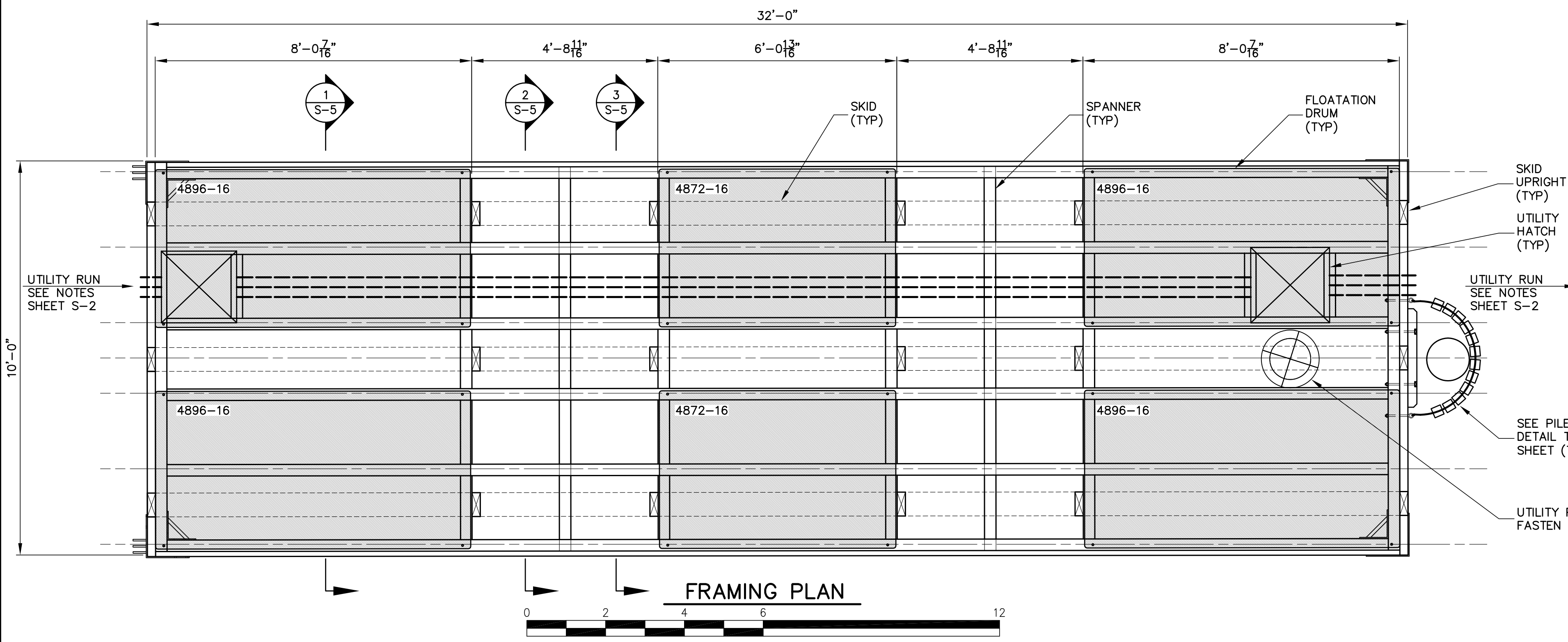


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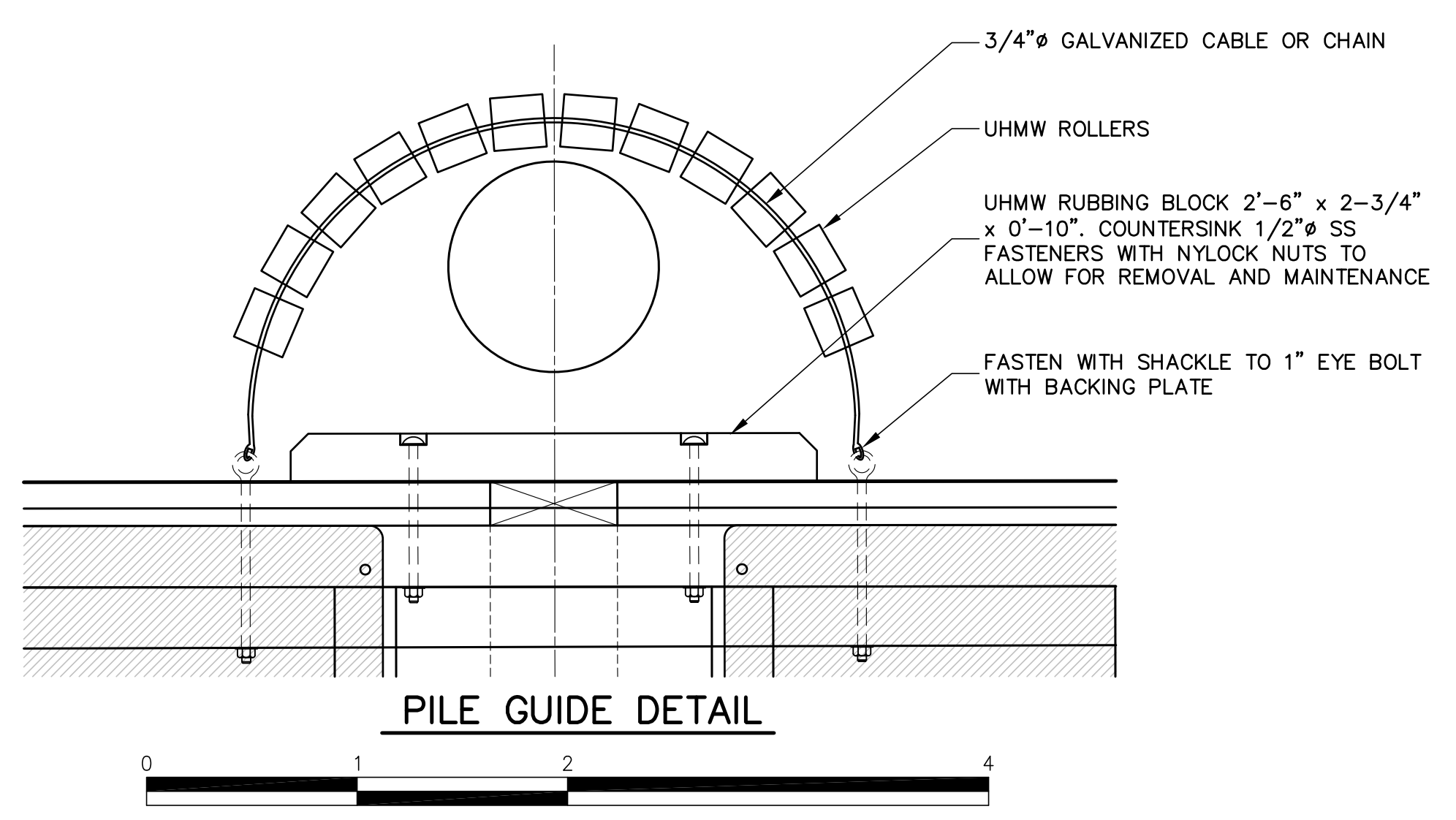
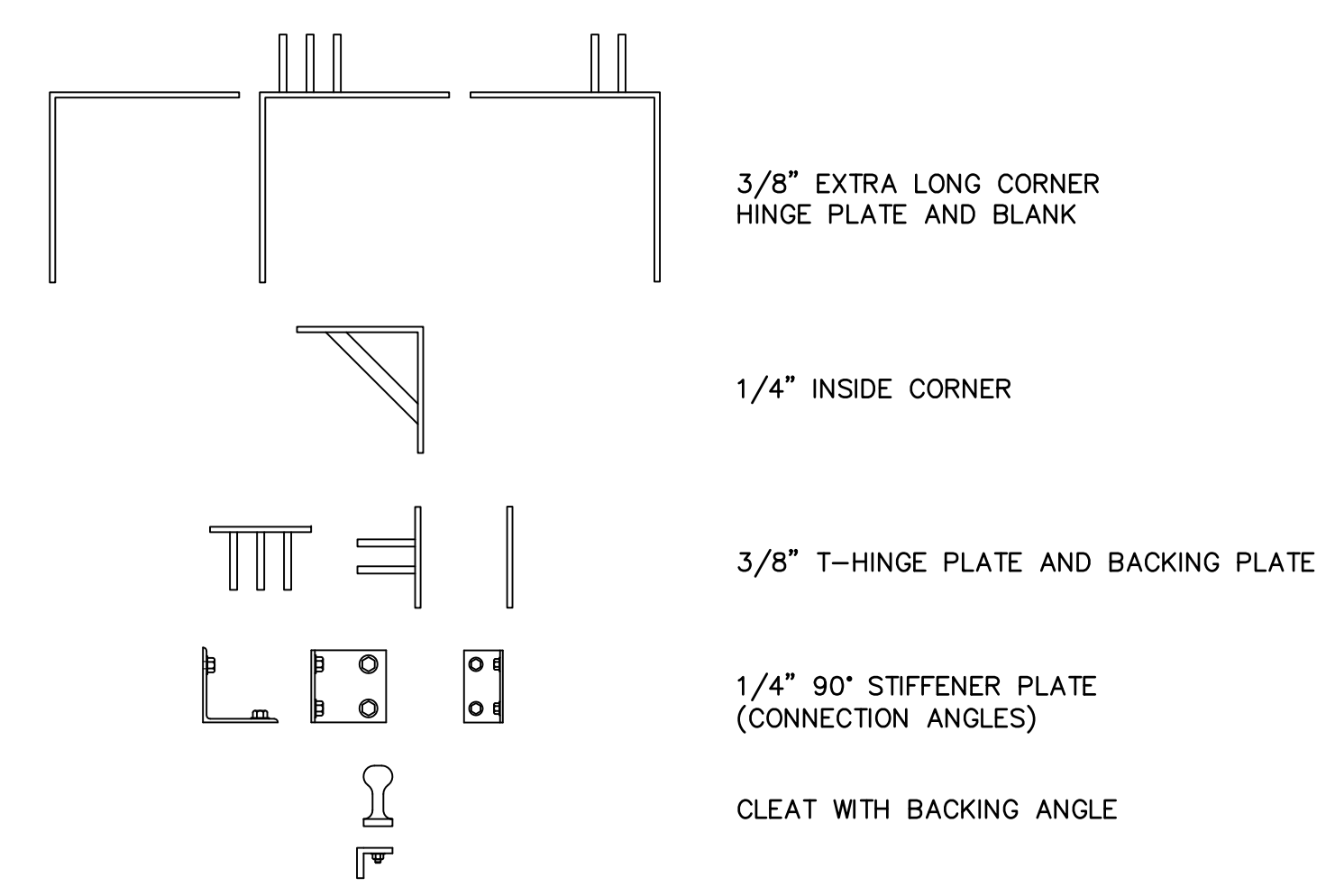
PIER DETAILS
KITTERY, MAINE
BOATING INFRASTRUCTURE GRANT
PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40

SHEET NO.	REV.
S-4	0



FLOAT HARDWARE KEY (SEE FLOAT HARDWARE NOTES ON SHEET S-2)



NOTES:
 1. REFER TO NOTES AND SCHEDULES ON SHEETS G-2 AND S-2.
 2. REFER TO COMPLIMENTARY FLOAT DETAILS AND NOTES ON SHEETS S5-S8.

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 Civil, Marine, and Structural Engineering
 7 Spruce Road, Freeport, Maine 04032, Tel: (207) 846-9724, info@bakdesignconsultants.com

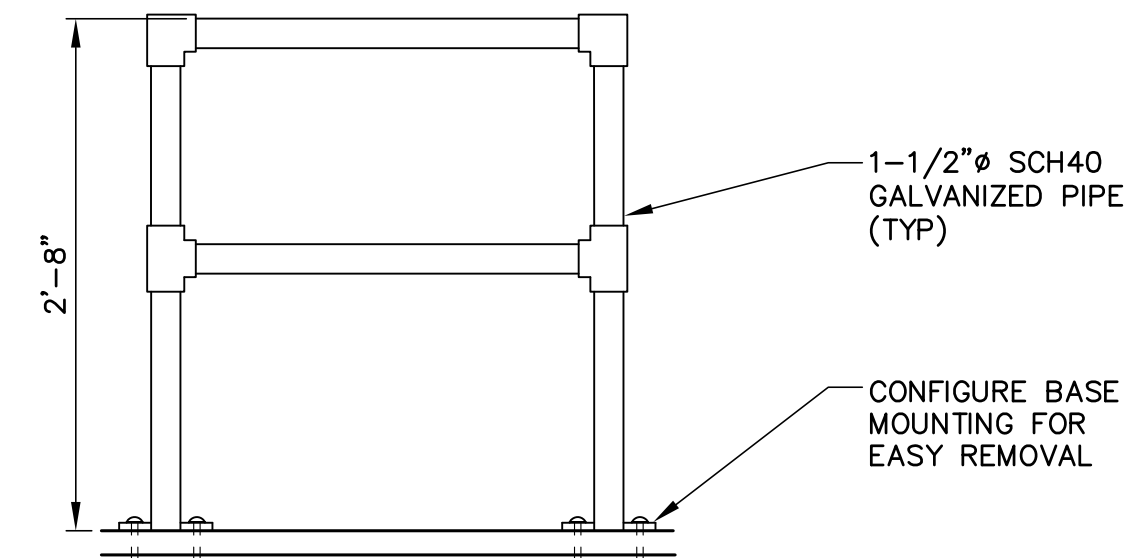
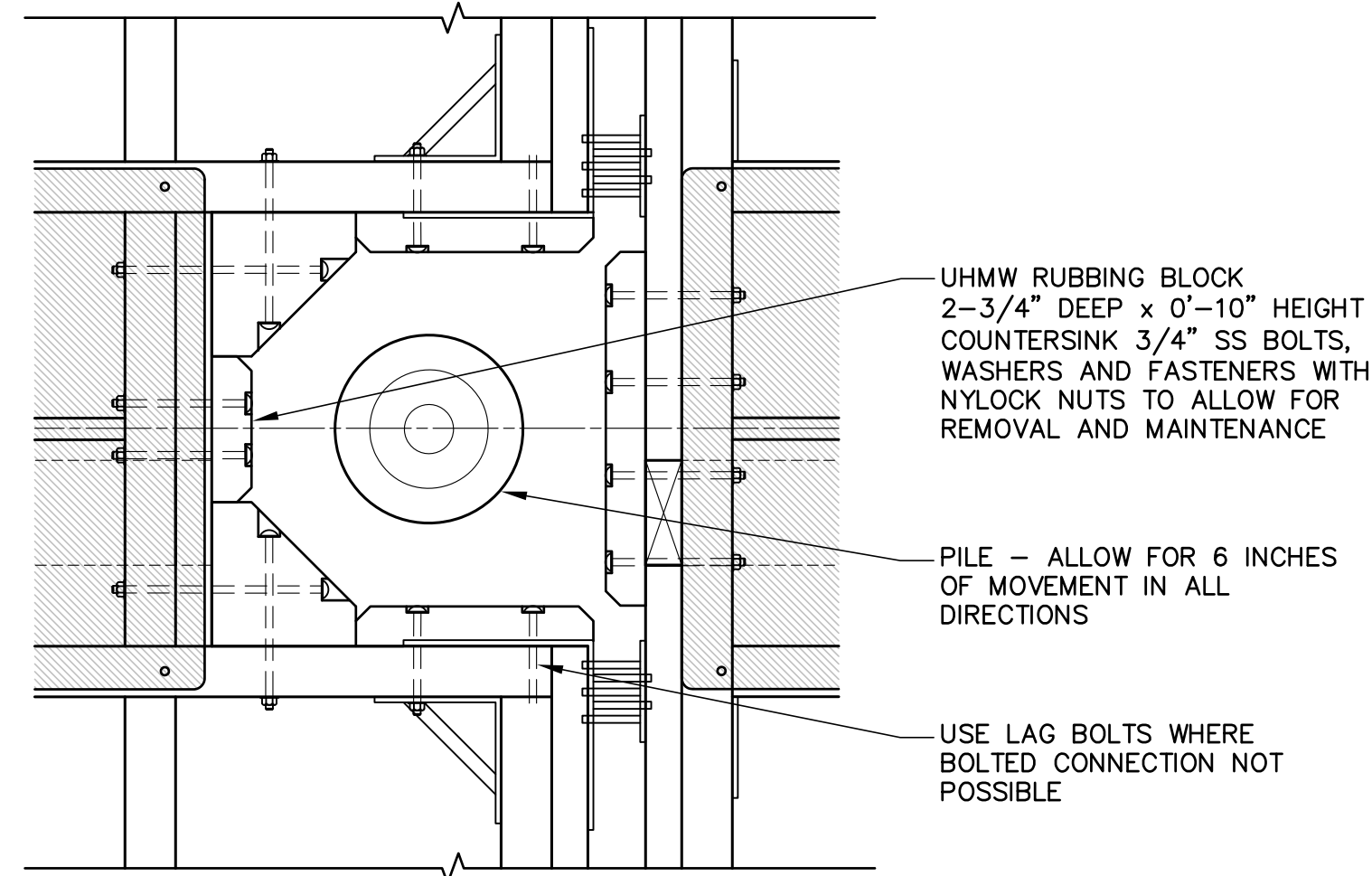
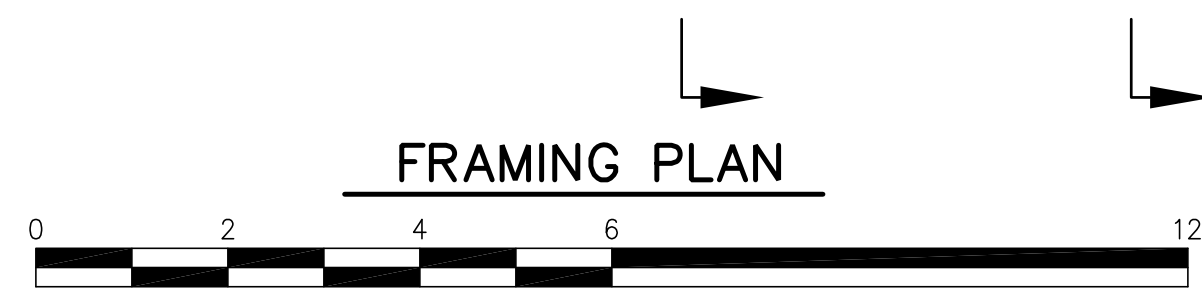
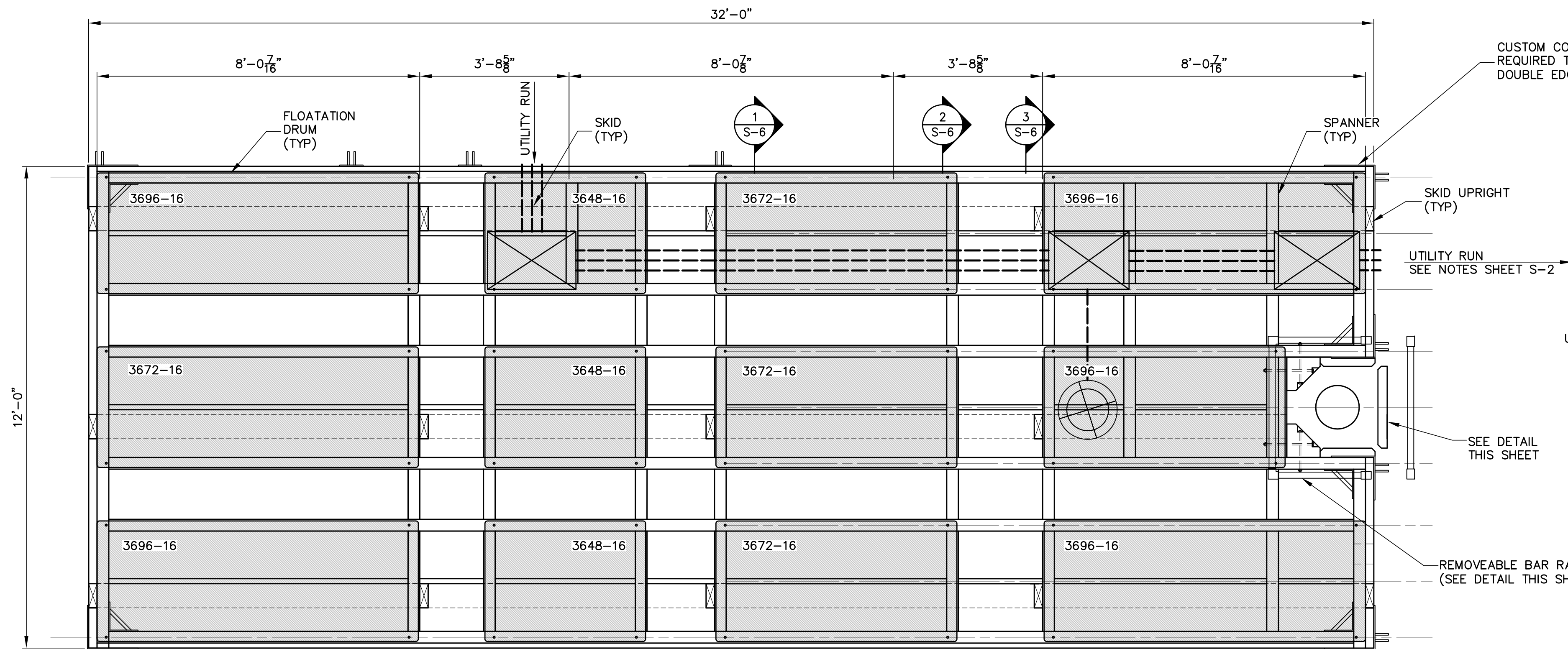
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SHEET TITLE: **1032 FLOAT**
 PROJECT: **BOATING INFRASTRUCTURE GRANT**
 KITTERY, MAINE
 PEPPERELL COVE TOWN LANDING

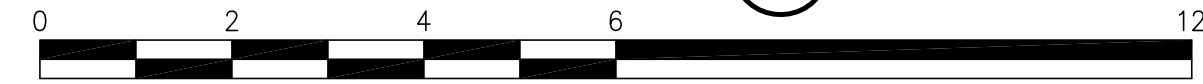
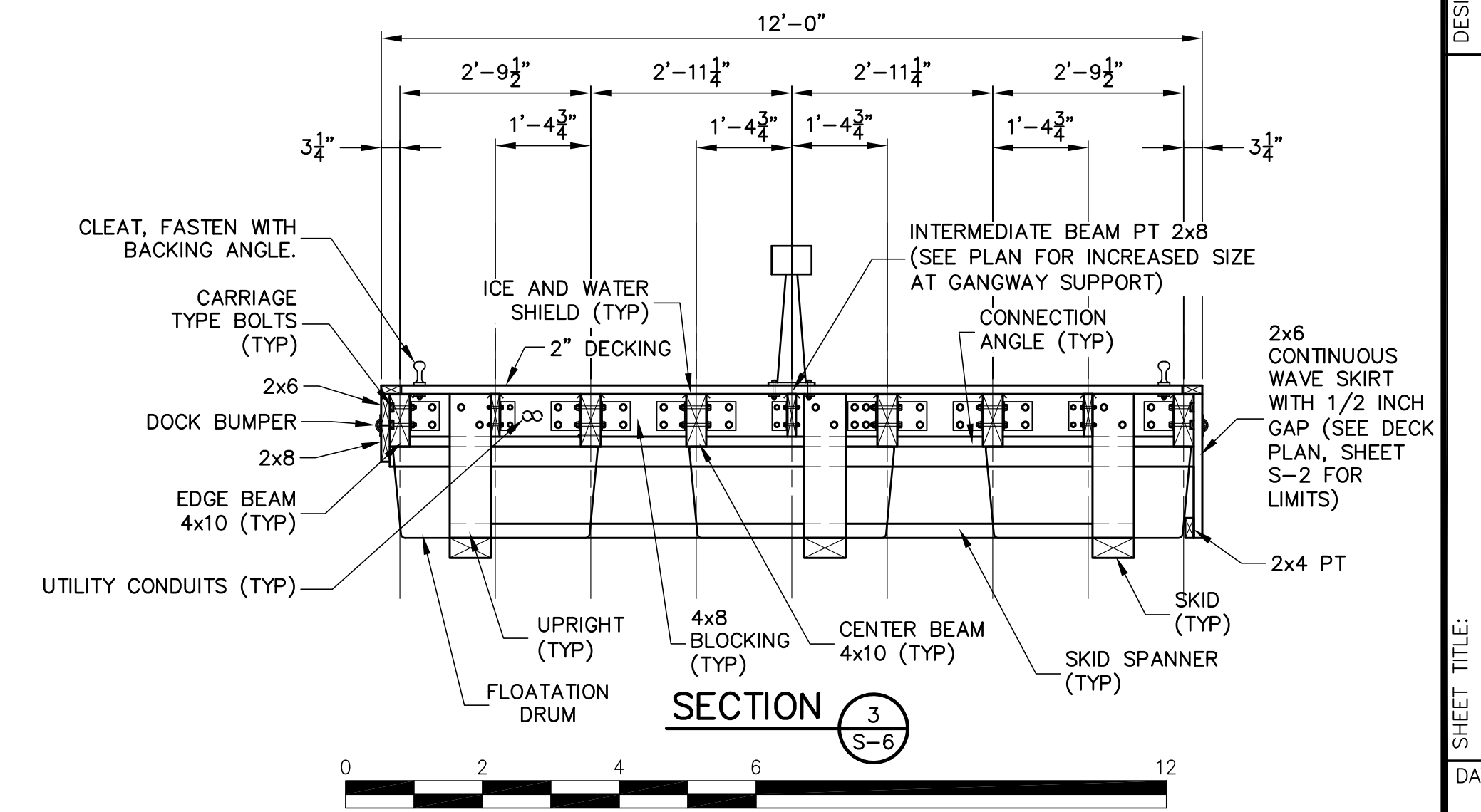
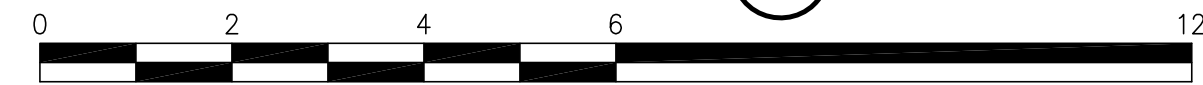
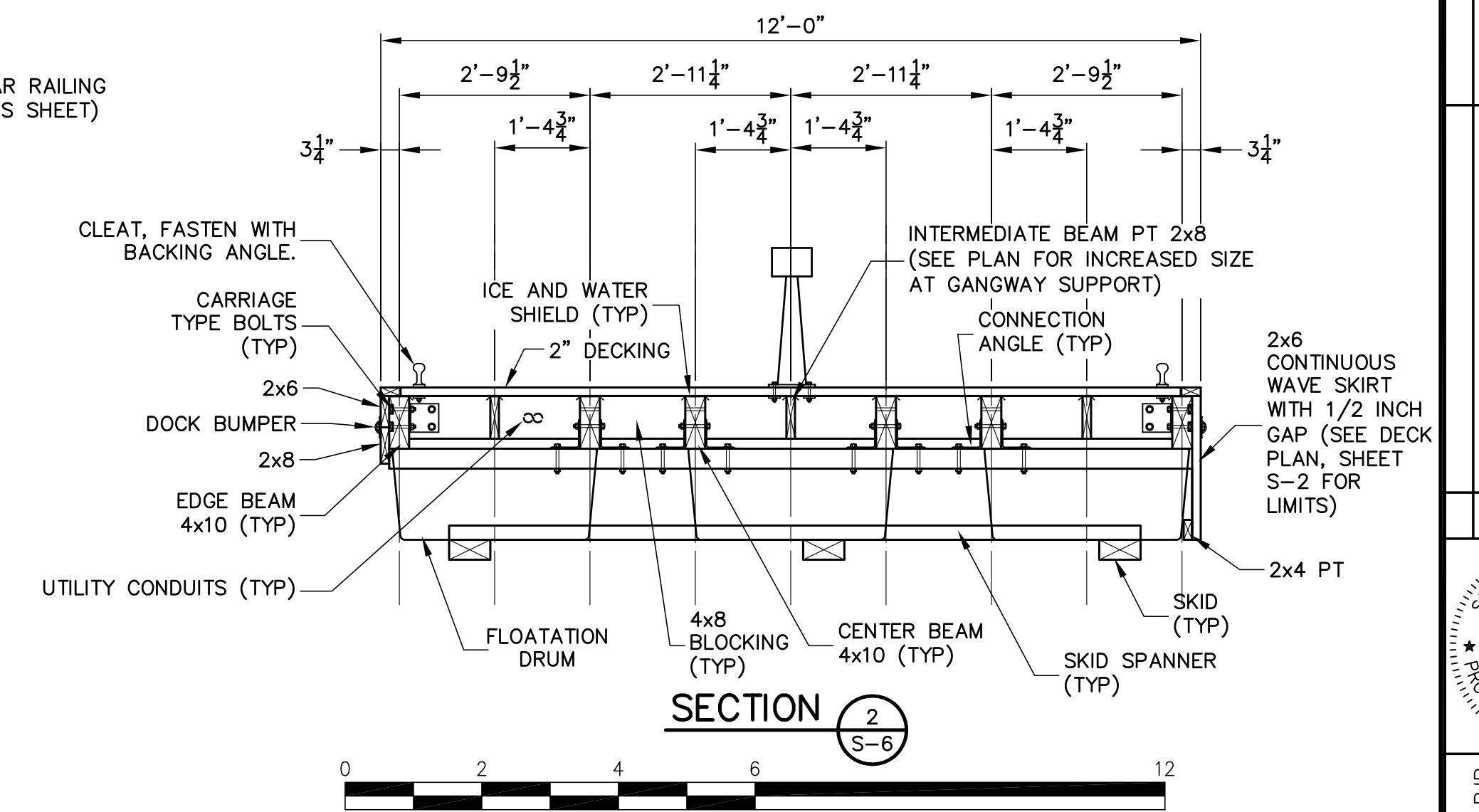
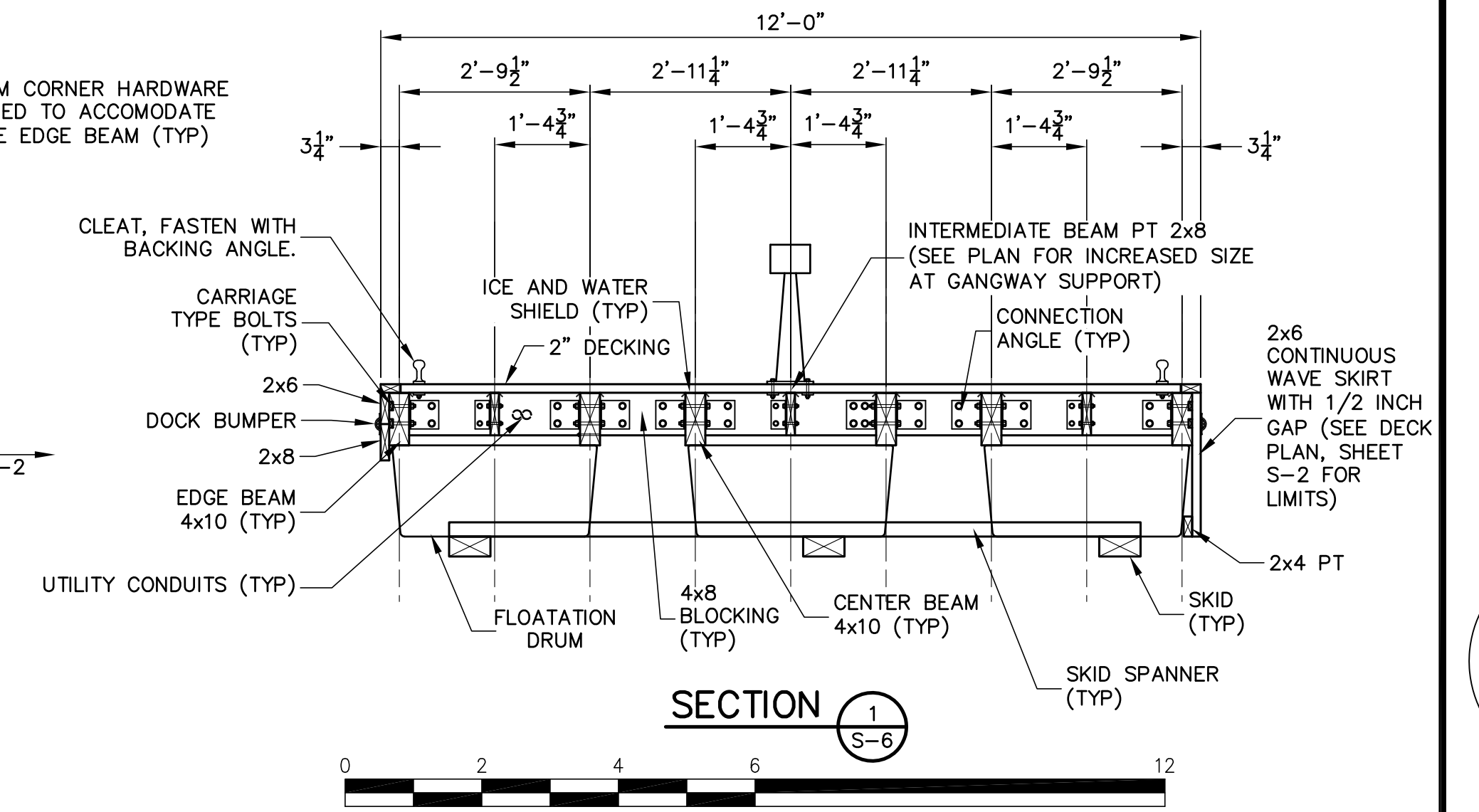
DATE: **JUNE 2013**
 CONTRACT NO.: **12-40**
 SHEET NO.: **S-5** REV.: **0**

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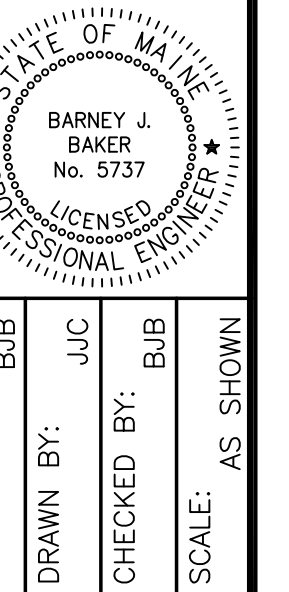


REMOVEABLE BAR RAILING

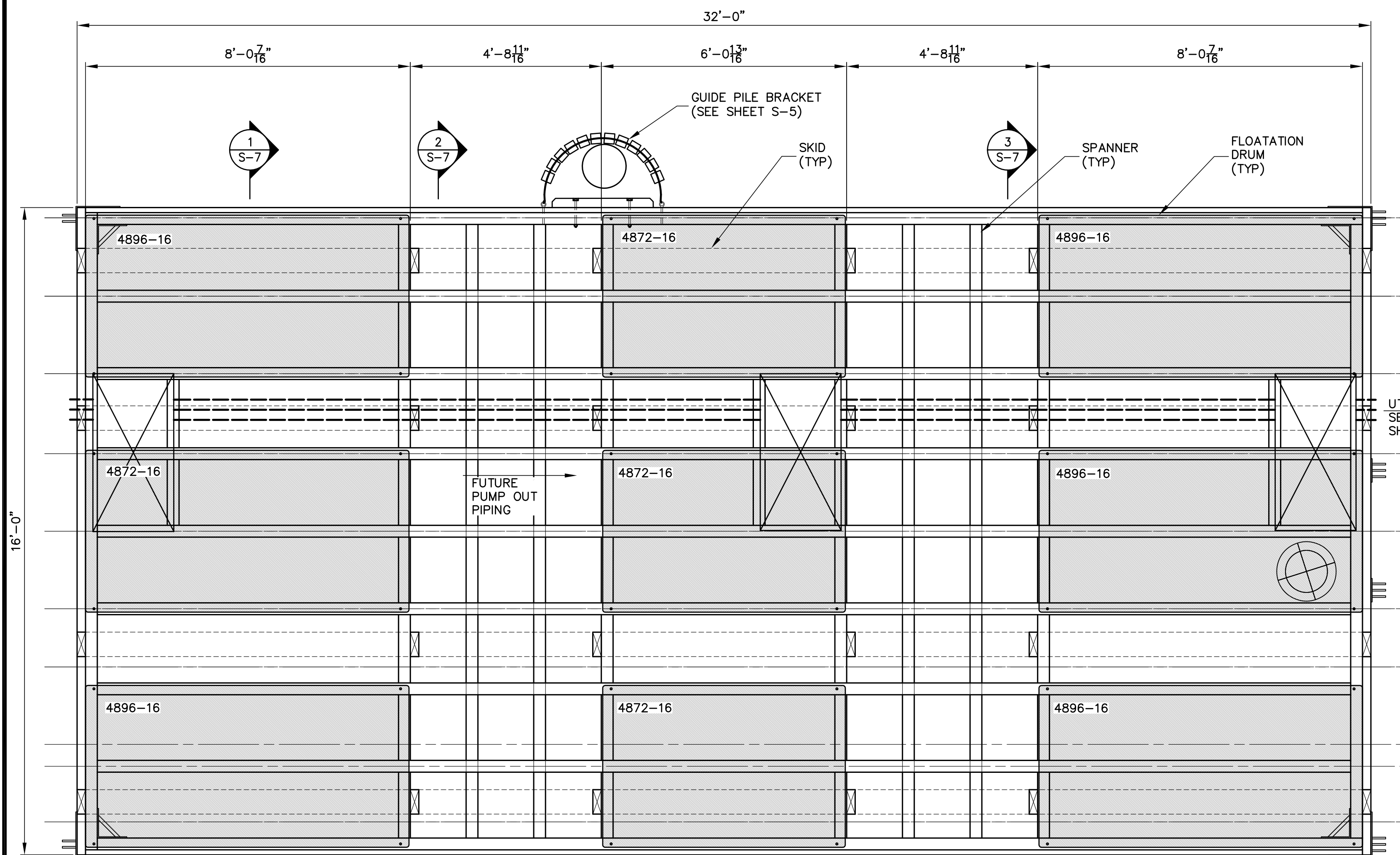


NOTES:
 1. REFER TO NOTES AND SCHEDULES ON SHEETS G-2 AND S-2.
 2. REFER TO COMPLIMENTARY FLOAT DETAILS AND NOTES ON SHEETS S5-S8.

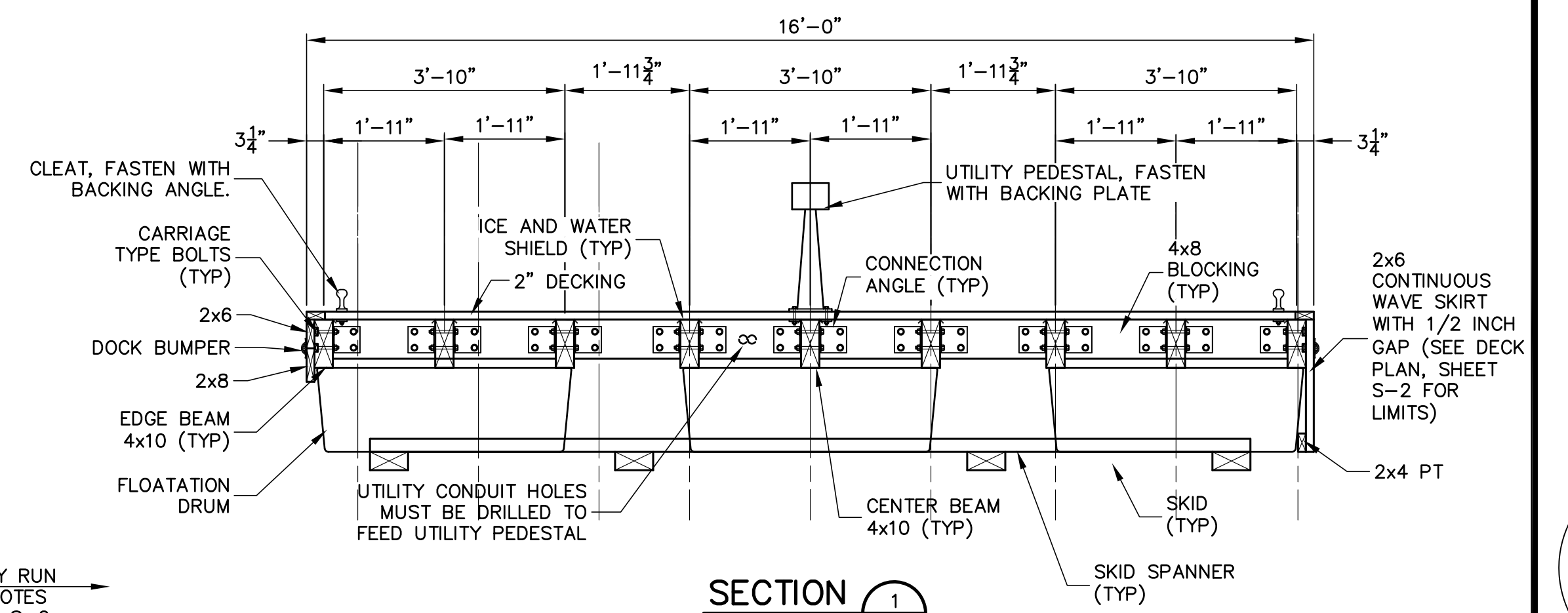
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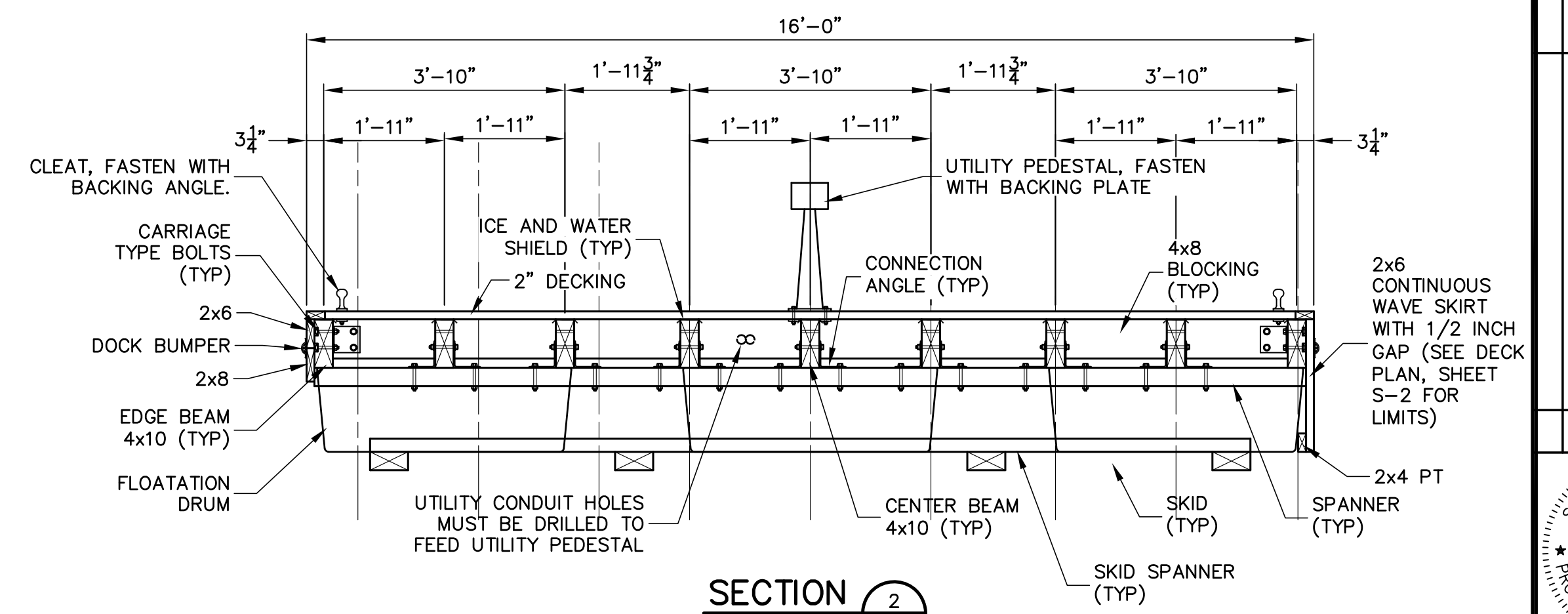
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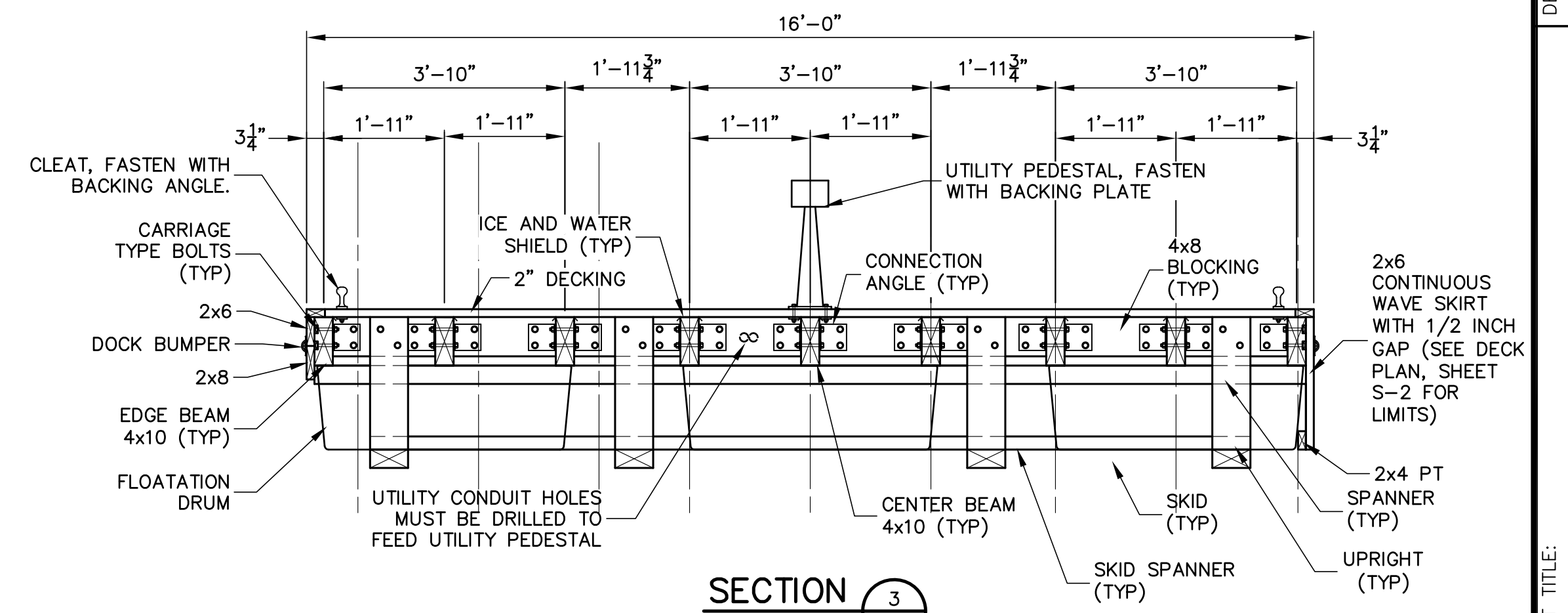
FRAMING PLAN



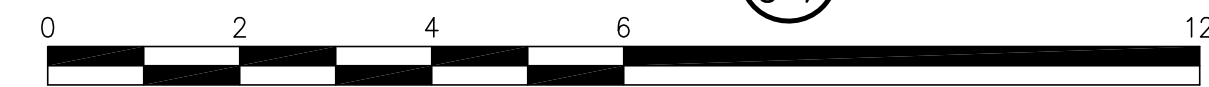
SECTION 1 (S-7)



SECTION 2 (S-7)

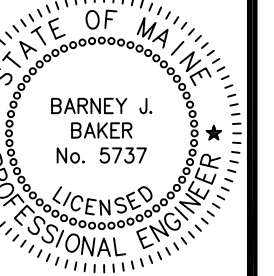


SECTION 3 (S-7)



- NOTES:
 1. REFER TO NOTES AND SCHEDULES ON SHEETS G-2 AND S-2.
 2. REFER TO COMPLIMENTARY FLOAT DETAILS AND NOTES ON SHEETS S5-S8.

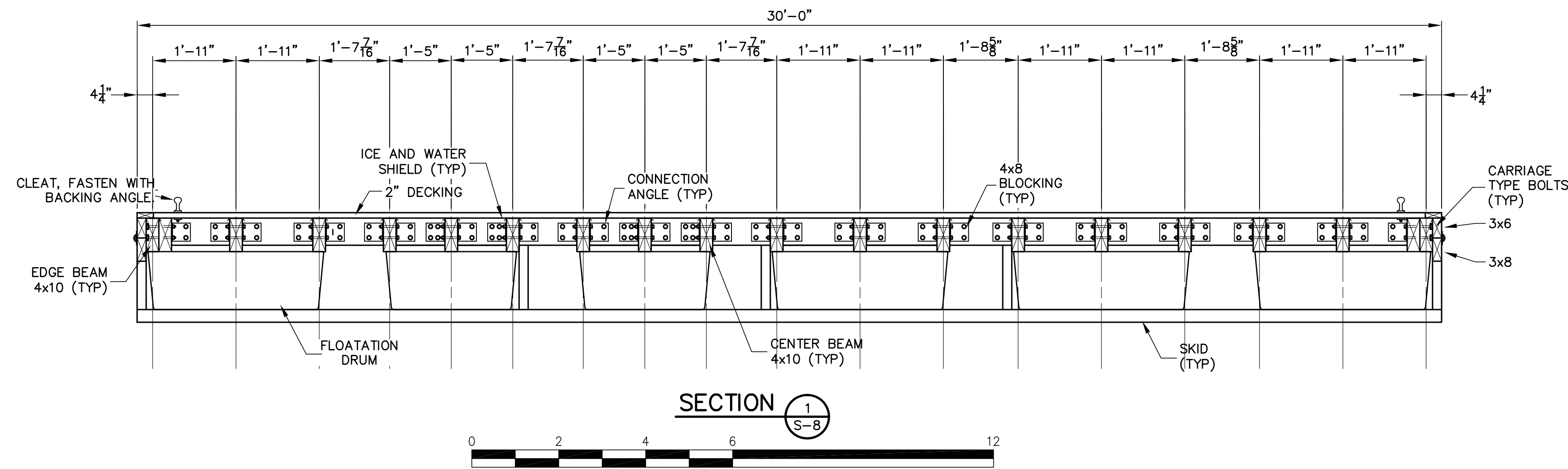
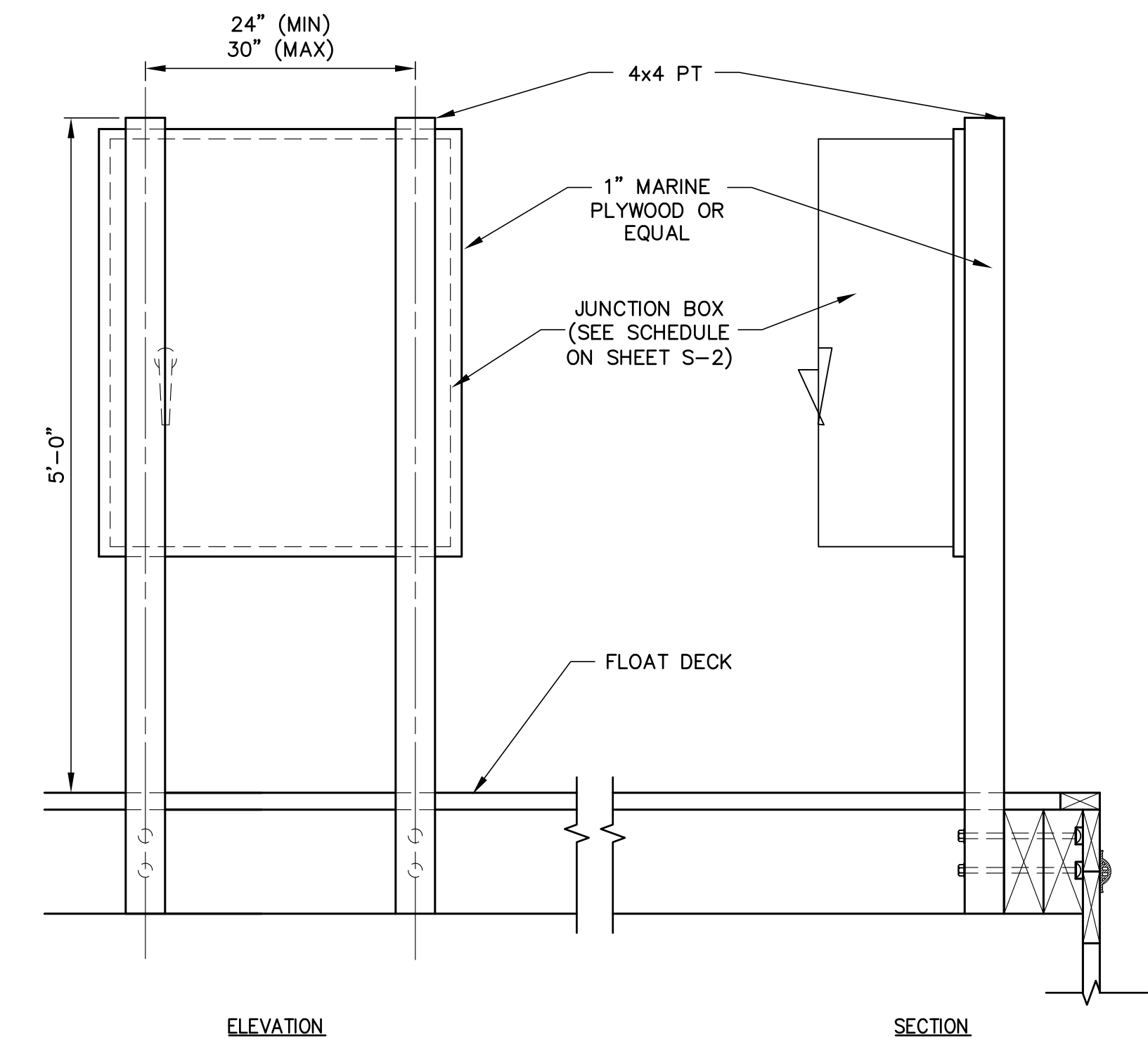
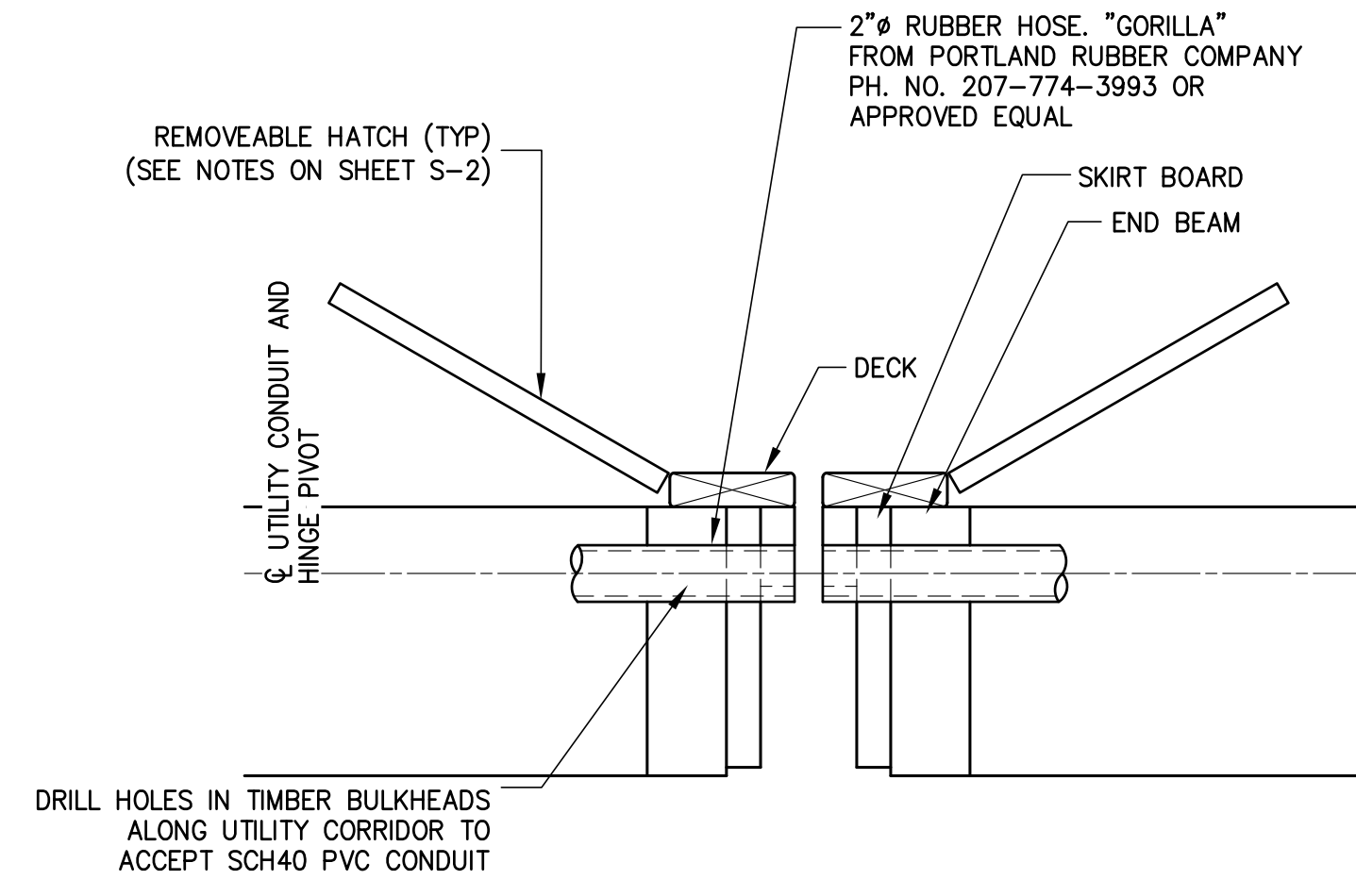
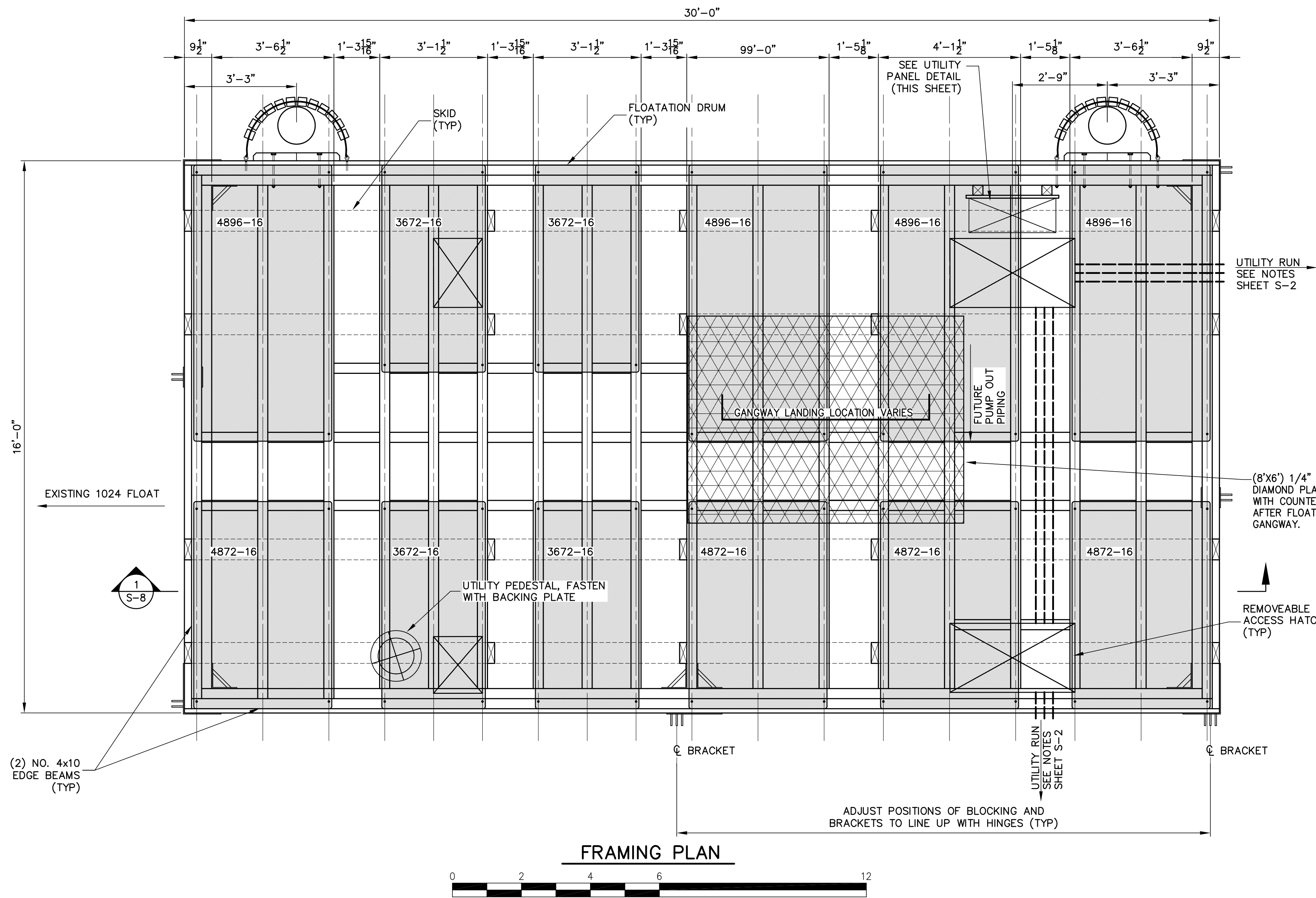
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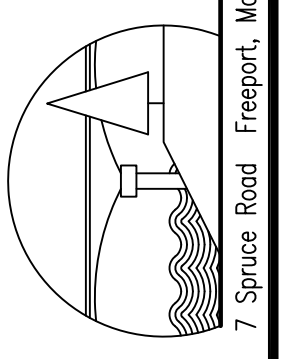
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DRAWN BY:	JUC
CHECKED BY:	BUB
SCALE:	AS SHOWN

SHEET TITLE:	1632 FLOAT
PROJECT:	KITTERY, MAINE BOATING INFRASTRUCTURE GRANT PEPPERRELL COVE TOWN LANDING
DATE:	JUNE 2013
CONTRACT NO.:	12-40
SHEET NO.:	S-7
REV.:	0

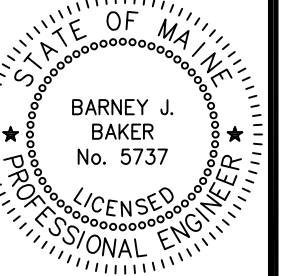
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NOTES:
 1. REFER TO NOTES AND SCHEDULES ON SHEETS G-2 AND S-2.
 2. REFER TO COMPLIMENTARY FLOAT DETAILS AND NOTES ON SHEETS S5-S8.



NO.	0	DATE	6-18-13	BUB	INT.
CONSTRUCTION SUBMISSION					



DESIGNED BY:	BUB	JUC
DRAWN BY:	BUB	BUB
CHECKED BY:	BUB	AS SHOWN
SCALE:		

SHEET TITLE: **1630 FLOAT**
 PROJECT: **BOATING INFRASTRUCTURE GRANT**
 KITTERY, MAINE
 PEPPERRELL COVE TOWN LANDING

DATE	JUNE 2013
CONTRACT NO.	12-40

SHEET NO. **S-8** REV.