

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eight Edition 2017.

DESIGN LOADING

Live Load HL - 93 Modified for Strength I

TRAFFIC DATA

Current (2016) AADT 402
 Future (2036) AADT 643
 Design Speed (mph) 50

MATERIALS

Concrete: Class "A"
 All Other

BASIC DESIGN STRESSES

Concrete f'c = 4000 psi

LIST OF DRAWINGS

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LOWER CUPSUPTIC TWP OXFORD COUNTY CUPSUPTIC BRIDGE OVER CUPSUPTIC RIVER STATE ROUTE 16 FEDERAL PROJECT NO. 2354700 PROJECT LENGTH 0.000 mi. BRIDGE NO. 3542

UTILITIES

Central Maine Power
Fairpoint Communications

MAINTENANCE OF TRAFFIC

Maintain one 11'-0 " wide lane of alternating two - way traffic using signs stop proceed when clear.

PROJECT LOCATION	Project Location 1.5 Miles Westerly Rangely Town Line Lat./Long. 45°00'50" N 70°51'02" W
PROGRAM AREA	Traditional Highway Bridge
OUTLINE OF WORK	H-Pile Wrap Project

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	COMMISSIONER: <i>[Signature]</i>	5-6-2020
	CHIEF ENGINEER: <i>[Signature]</i>	5-4-2020

SIGNATURE: *[Signature]*
 P.E. NUMBER: 8675
 DATE: 4/28/2020

PROJECT INFORMATION	
PROGRAM	BRIDGE PROGRAM
PROJECT MANAGER	D. ANDERSON
DESIGNER	D. ANDERSON
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

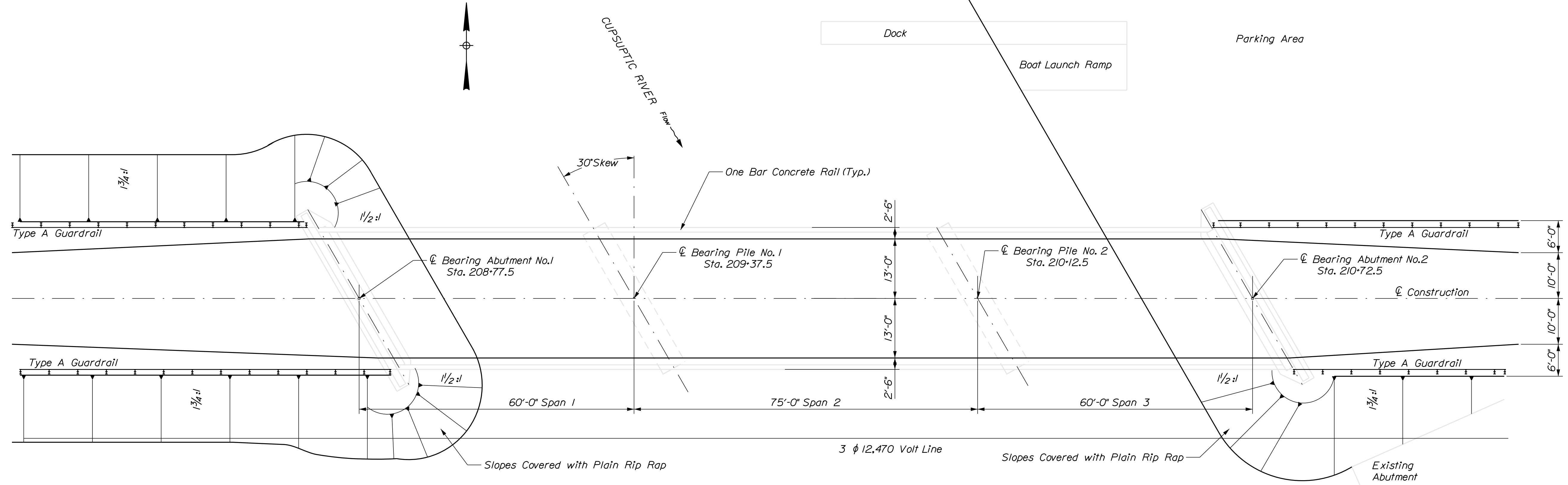
WIN 23547.00

2354700

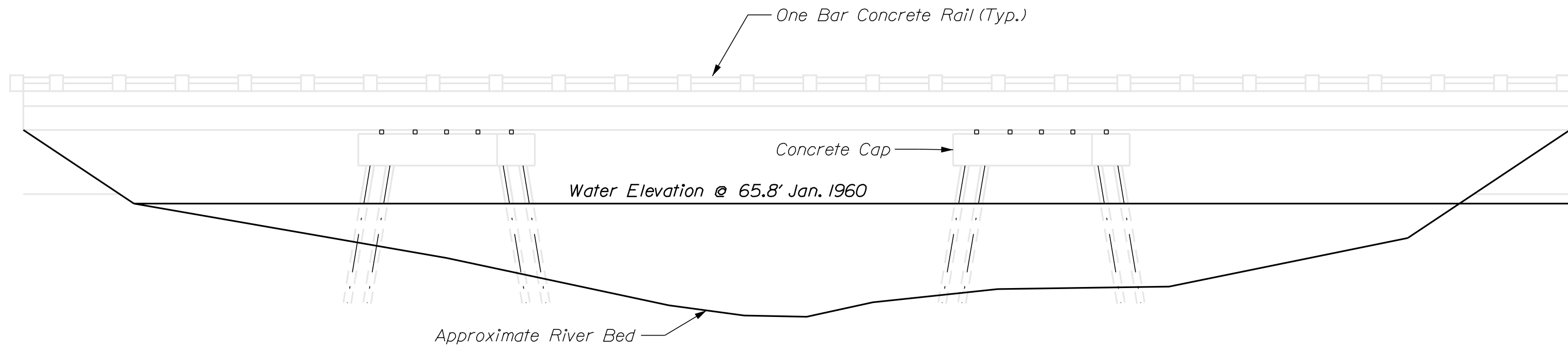
LOWER CUPSUPTIC TWP
 CUPSUPTIC BRIDGE
 TITLE SHEET

SHEET NUMBER
1
 OF 4

Filename: \\00\BRIDGE\MSTA\001_Title.dgn
 Division: BRIDGE
 Username: Mark.Poulin
 Date: 4/27/2020

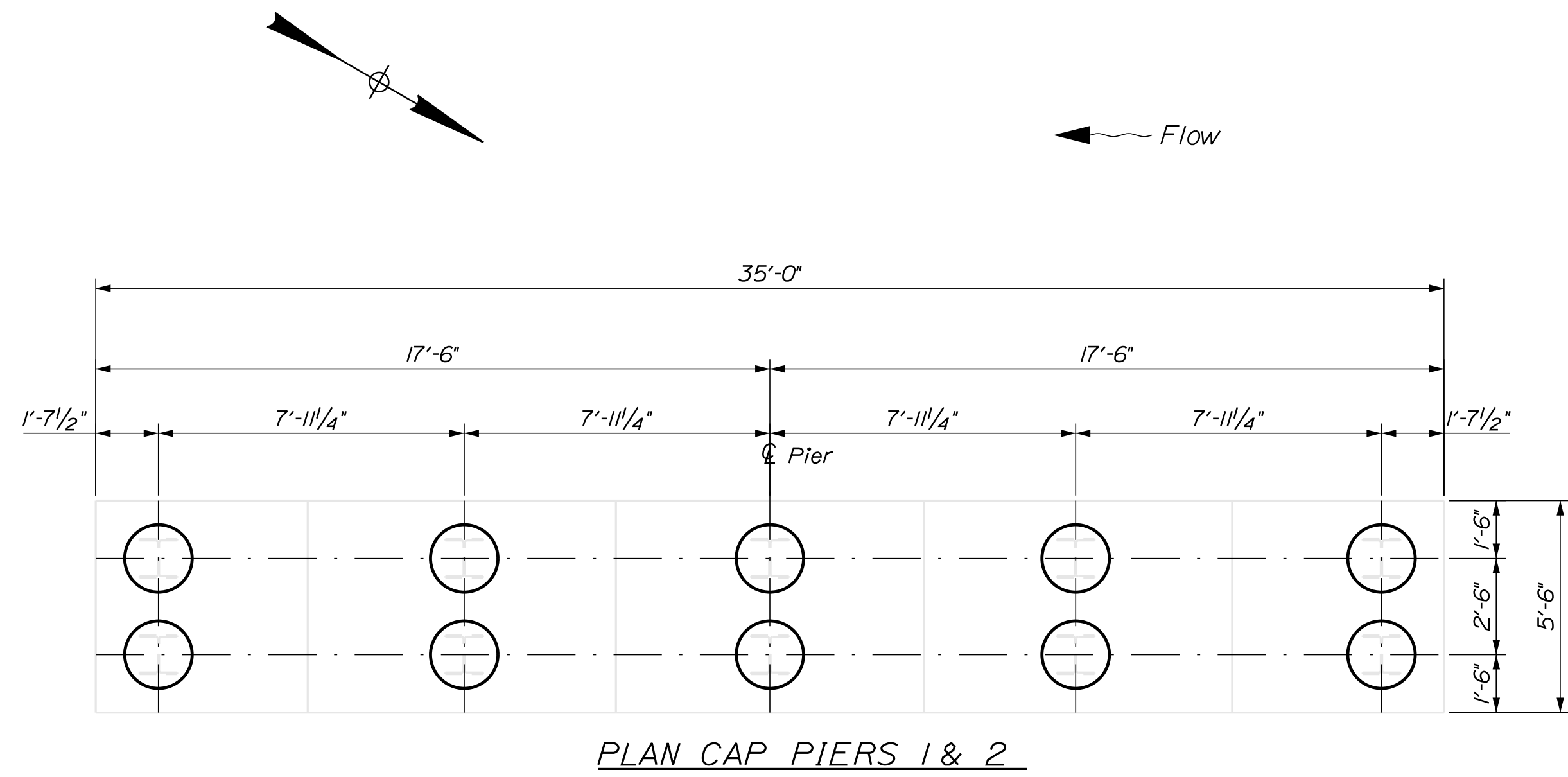


PLAN

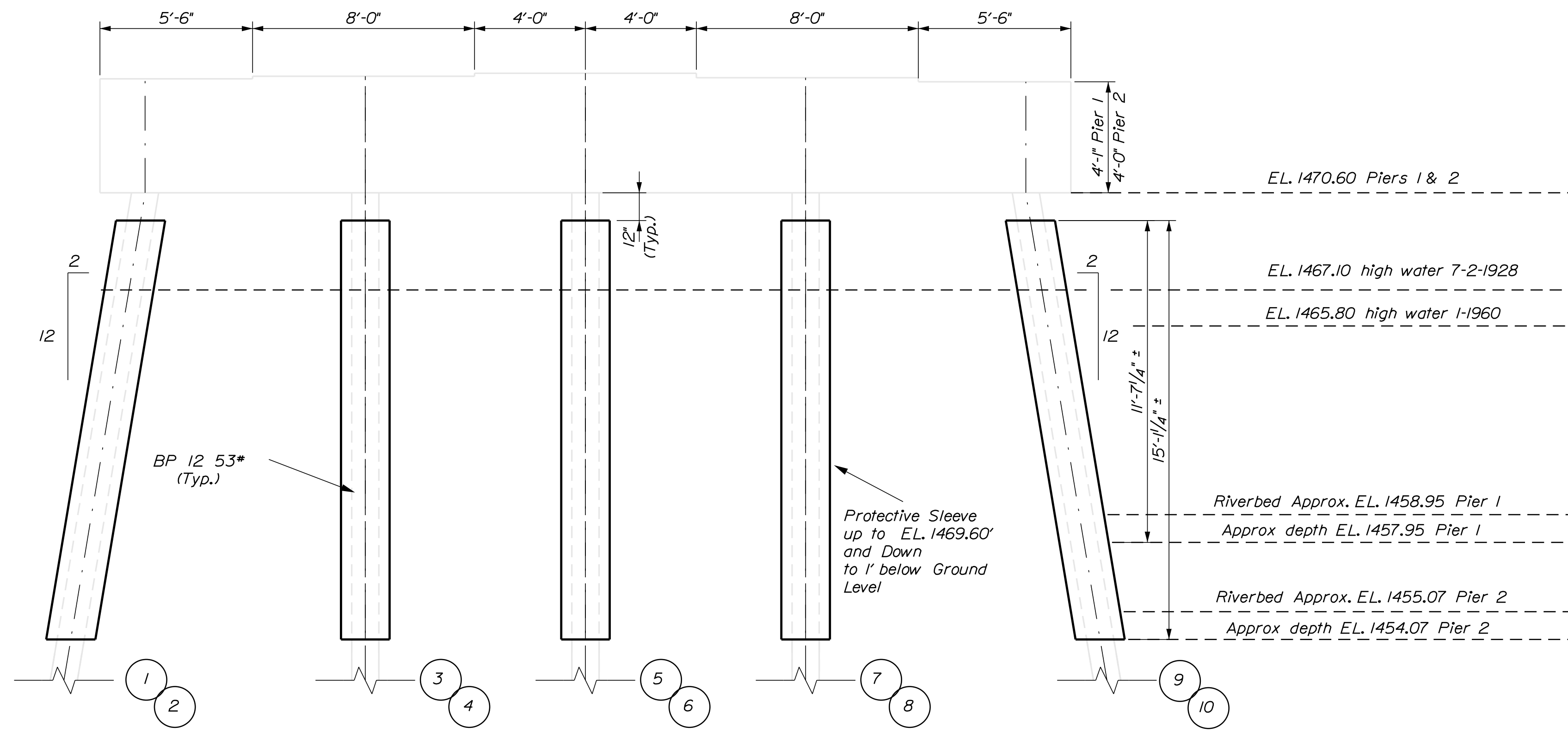


ELEVATION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		FEDERAL # 2354700	
CUPSUPTIC BRIDGE CUPSUPTIC RIVER LOWER CUPSUPTIC TWP OXFORD COUNTY		BRIDGE NO. 3542	
GENERAL PLAN & ELEVATION		WIN 23547.00 BRIDGE PLANS	
PROJ. MANAGER	D. ANDERSON	BY	DATE
CHECKED-REVIEWED	D. ANDERSON	J. LEAVITT	4/2020
DESIGNS-DETAILED			
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES		SIGNATURE	
		P.E. NUMBER	
		DATE	
SHEET NUMBER		3	
		OF 4	



PLAN CAP PIERS 1 & 2



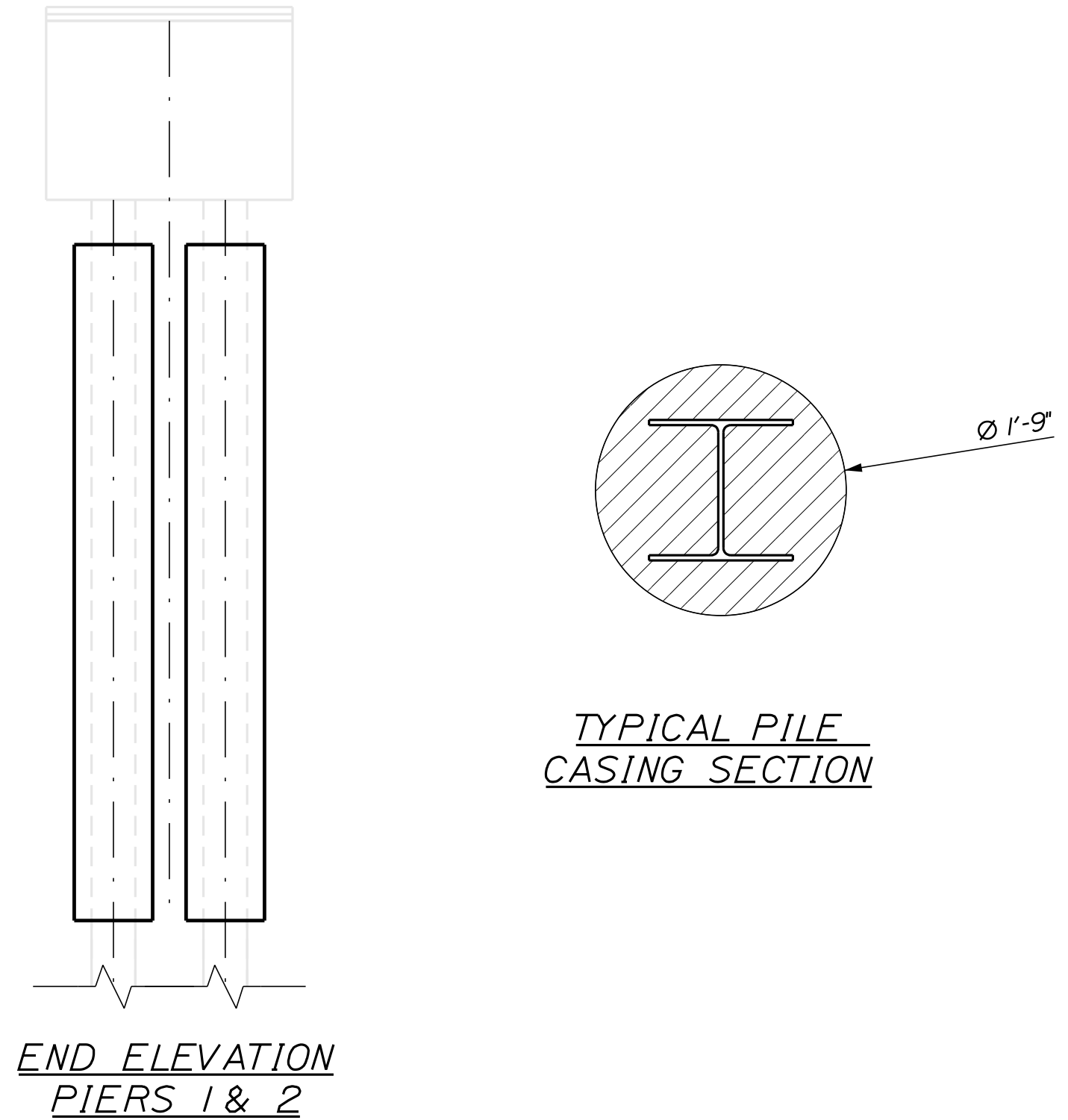
SIDE ELEVATION PIERS 1 & 2

PILE CASING NOTES

1. Pile Casings may be one or two - piece round Column Forms with a 2.00' inside diameter and must be fiberglass, galvanized steel or plastic stay - in - place forms in accordance with Special Provision 501.251, Pile Casings and as approved by the Resident.
2. Class "A" Concrete with Micro Fiber off MDOT QPL shall be used to fill the annular space between the existing pile and the pile casing.
3. Clean existing piles using a machine wire brush or similar tool in regions where concrete will be placed as directed by the Resident. The piles may be coated with a lead - based paint system. The Contractor is responsible for the containment, proper management and disposal of all lead contaminated hazardous waste generated by the process of cleaning the existing piles.
4. Remove material and place concrete to a minimum elevation as shown on the plans.
5. Place a concrete plug a minimum of 2' above the bottom the casing or 2' above existing Riverbed, whichever is higher prior to the full concrete placement. Payment for additional excavation will be considered incidental to Item No. 502.236, Pile Casing Pier Protection.
6. Pile casings shall be de watered prior to full concrete placement.
7. During concrete placement, gray water shall be pumped out of the top of the casing and disposed of in accordance with the Temporary Soil Erosion and Water Pollution Control Plan. Any placements discharging into the river will be stopped and the contractor will be required to propose alternative methods in accordance with Standard Specification Section 656 Temporary Soil Erosion and Water Pollution Control.
8. Video footage shall be provided for all underwater work. The videos shall be taken using a device that provides a date and time stamp.

NOTES:

1. Dimensions and Elevations are Shown as originally designed. Present Conditions may vary and it is the Contractors Responsibility to Verify Actual Conditions.
2. Pile Casing Dimensions are Estimates.
3. Refer to Specification for H-Pile Prep cleaning.



STATE OF MAINE	BRIDGE NO. 3542	BRIDGE PLANS
DEPARTMENT OF TRANSPORTATION	WIN	23547.00
	023547.00	

DESIGN	DATE	SIGNATURE
CHECKED	DATE	
DESIGNED	DATE	
REVISIONS 1		P.E. NUMBER
REVISIONS 2		DATE
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	D. ANDERSON	BY	J. LEAVITT	DATE	4/2020
DESIGN DETAILED	D. ANDERSON	CHECKED	D. ANDERSON	DATE	
DESIGNED		DESIGNED		DATE	
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3		DATE	
REVISIONS 4		REVISIONS 4		DATE	
FIELD CHANGES		FIELD CHANGES		DATE	

CUPSUCTIC BRIDGE
 CUPSUCTIC RIVER
 LOWER CUPSUCTIC TWP OXFORD COUNTY
 PIER PILE WRAP PLAN

SHEET NUMBER
4
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