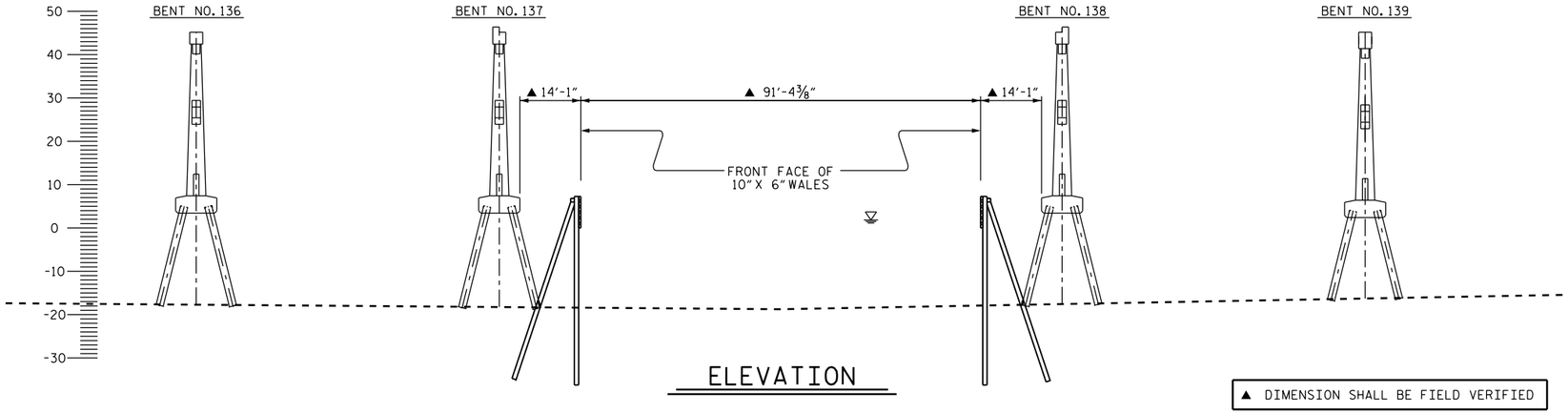
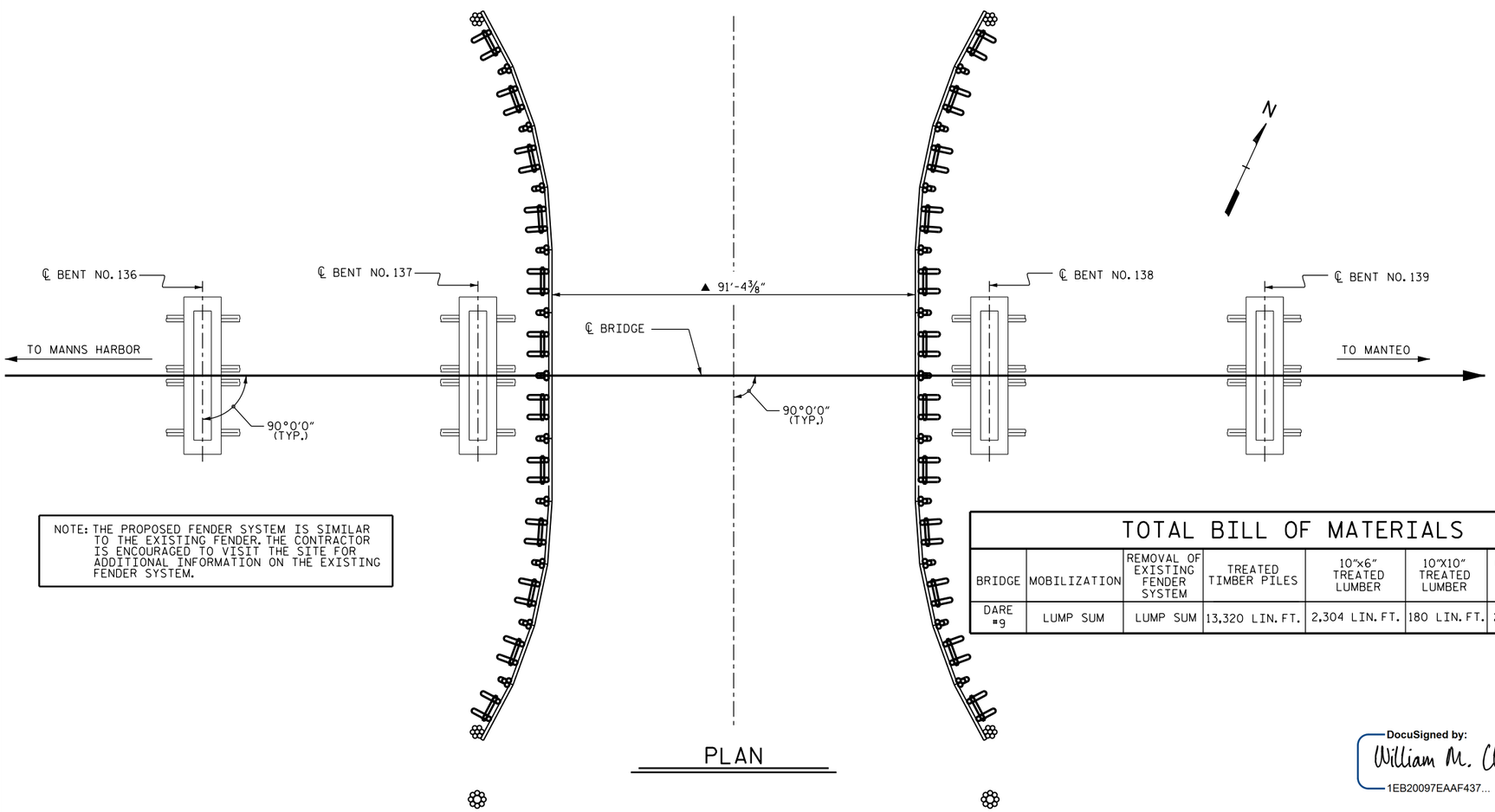


ELEVATION

▲ DIMENSION SHALL BE FIELD VERIFIED



PLAN

NOTE: THE PROPOSED FENDER SYSTEM IS SIMILAR TO THE EXISTING FENDER. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE FOR ADDITIONAL INFORMATION ON THE EXISTING FENDER SYSTEM.

TOTAL BILL OF MATERIALS

BRIDGE	MOBILIZATION	REMOVAL OF EXISTING FENDER SYSTEM	TREATED TIMBER PILES	10"x6" TREATED LUMBER	10"X10" TREATED LUMBER	GALVANIZED STEEL PIPE PILES	HARDWARE
DARE #9	LUMP SUM	LUMP SUM	13,320 LIN. FT.	2,304 LIN. FT.	180 LIN. FT.	240 LIN. FT.	5,573 LBS.

GENERAL NOTES:

FOR COORDINATION WITH THE U.S. COAST GUARD, SEE SPECIAL PROVISIONS.

FOR NAVIGATIONAL LIGHTS, SEE SPECIAL PROVISIONS FOR COORDINATION WITH THE U.S. COAST GUARD.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR MAINTENANCE OF WATER TRAFFIC, SEE SPECIAL PROVISIONS.

FOR REMOVAL OF EXISTING FENDER SYSTEM, SEE SPECIAL PROVISIONS.

FOR PILE DRIVING EQUIPMENT DATA SUBMITTAL, SEE SUBMITTAL OF WORKING DRAWINGS SPECIAL PROVISION.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR WORK IN, OVER OR ADJACENT TO NAVIGABLE WATERS, SEE SPECIAL PROVISIONS.

FOR WIRE ROPE FOR FENDER SYSTEM, SEE FENDER REPLACEMENT SPECIAL PROVISION.

FOR FENDER REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR AS-BUILT PLANS, SEE SPECIAL PROVISIONS.

FOR LOCATION OF NEW FENDER SYSTEM, SEE SPECIAL PROVISIONS.

ALL BOLTS, WASHER, NUTS, AND ALL OTHER HARDWARE SHALL BE GALVANIZED AND SHALL BE GRADE A-307.

GALVANIZING SHALL BE DONE IN ACCORDANCE WITH SECTION 1076 OF NCDOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES DATED JANUARY 2012.

ALL O.G. WASHERS SHALL CONFORM TO ASTM A47 CLASS 30.

ALL TREATED LUMBER SHALL CONFORM TO SECTION 1082 OF THE STANDARD SPECIFICATIONS OR AS NOTED ON THE PLANS.

THE CONTRACTOR SHALL RELOCATE THE CLEARANCE MARKER AT BOTH ENDS OF THE FENDER SYSTEM TO THE LOCATION DESIGNATED BY THE ENGINEER.

THE CONTRACTOR SHALL VISIT THE JOB SITE AND CHECK THE MATERIALS AND THE QUANTITY NEEDED TO COMPLETE ALL THE WORK IN ACCORDANCE WITH THE PLANS, PROJECT SPECIAL PROVISIONS, AND THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2012.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL THE REQUIREMENTS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2012, EXCEPT AS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

AT LOCATIONS WHERE EXISTING AND PROPOSED PILING COINCIDE, SOME OR ALL OF EXISTING PILING MAY BE REQUIRED TO BE FULLY REMOVED. IF THE EXISTING PILING BREAKS UPON INITIAL EXTRACTION, WITH THE ENGINEER'S APPROVAL PROPOSED PILING MAY BE SHIFTED NOMINALLY TO AVOID BROKEN, EXISTING PILES.

THE PROPOSED FENDER FACE OF NEW FENDER SYSTEM SHALL MATCH THE EXISTING FENDER FACE OF THE EXISTING FENDER SYSTEM. DIMENSIONS SHOWN ON THE PLANS ARE FROM PRELIMINARY FIELD MEASUREMENTS AND SHALL BE FIELD VERIFIED PRIOR TO FABRICATING AND/OR OBTAINING MATERIALS.

ALL DOME HEAD TIMBER BOLTS SHALL BE TIGHTENED TO FULLY ENGAGE THE O.G. WASHER WITHOUT EXCESSIVE CRUSHING OF THE TIMBER FIBERS.

PROJECT NO. 41732.7
DARE COUNTY
BRIDGE NO. 9

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

FENDER LAYOUT PLAN

DocuSigned by:
William M. Clarke
1EB20097EAAF437...

7/16/2015

NORTH CAROLINA PROFESSIONAL SEAL 40257 ENGINEER W. MATTHEW CLARKE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	F-1
1			3			TOTAL SHEETS
2			4			7

DRAWN BY : P. BRYANT / S. T. SANDOR DATE : 10/2014
CHECKED BY : W. M. CLARKE DATE : 10/2014

16-JUL-2015 13:20
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