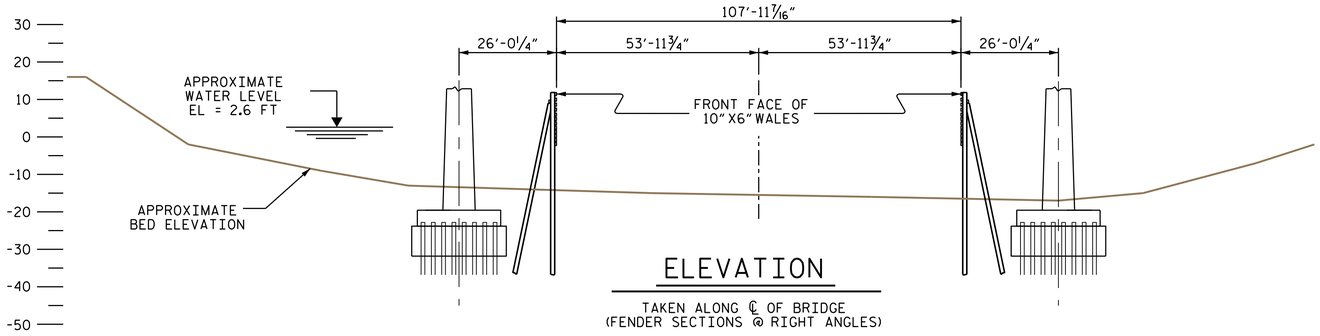
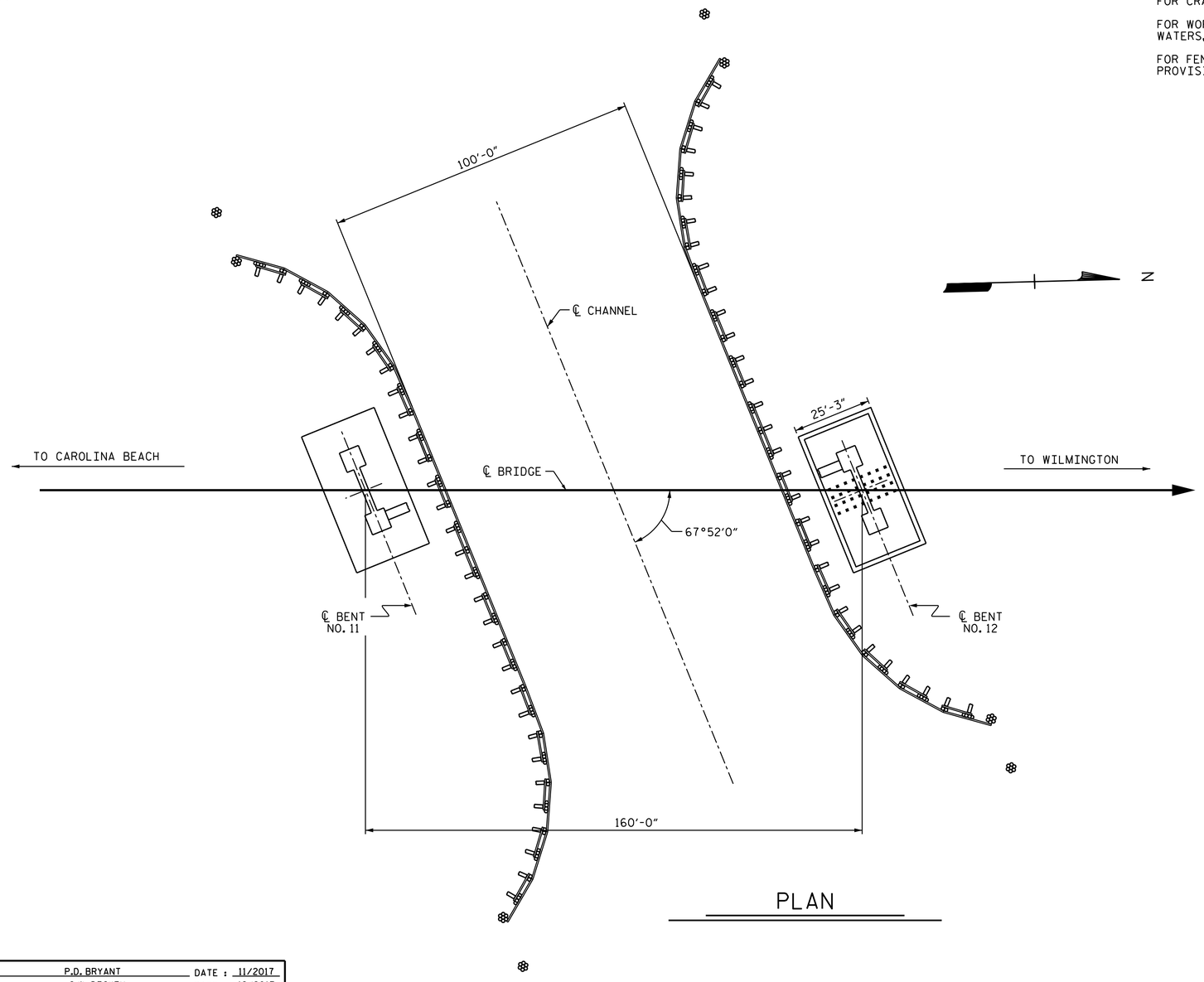


ELEVATION

TAKEN ALONG ℄ OF BRIDGE
(FENDER SECTIONS @ RIGHT ANGLES)



PLAN

GENERAL NOTES:

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

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 SPECIAL PROVISIONS.

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 FENDER REPLACEMENT, SEE SPECIAL PROVISIONS.

FOR AS-BUILT PLANS, SEE SPECIAL PROVISIONS.

FOR LOCATION OF NEW FENDER SYSTEM, SEE SPECIAL PROVISIONS.

INSTALL PILES TO AN ELEVATION OF 25' BELOW THE BED ELEVATION IF SUBSURFACE CONDITIONS ALLOW.

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 2018.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL THE REQUIREMENTS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018, EXCEPT AS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

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

ALL DOME HEAD TIMBER BOLTS SHALL BE FASTENED SO THAT THEIR HEADS AND WASHERS ARE IN FULL CONTACT WITH THE COMPONENTS THEY CONNECT.

ALL DRIVE SPIKE HEADS MUST BE IN FULL CONTACT WITH THE SURFACE OF THE TIMBER WALES.

ALL THE BOLTS, WASHERS, 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 2018.

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.

TOTAL BILL OF MATERIALS

MOBILIZATION	REMOVAL OF EXISTIONG FENDER SYSTEM	6"X10" TREATED LUMBER	13" TREATED TIMBER PILE	HARDWARE
LUMP SUM	LUMP SUM	6,464 LIN. FT.	14,520 LIN. FT.	6,072 LBS.

PROJECT NO. 41732.11
NEW HANOVER COUNTY
BRIDGE NO. 30
SHEET 1 OF 5

NORTH CAROLINA PROFESSIONAL SEAL 21271 ENGINEER GREGORY W. DICKEY

DocuSigned by: Greg Dickey
884E46B8CE5B486...
12/18/2017

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

FENDER SYSTEM

FENDER LAYOUT PLAN

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	F-1
1			3			TOTAL SHEETS
2			4			5

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : P.D. BRYANT DATE : 11/2017
CHECKED BY : G.W. DICKEY DATE : 12/2017

18-DEC-2017 15:21
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gdickey