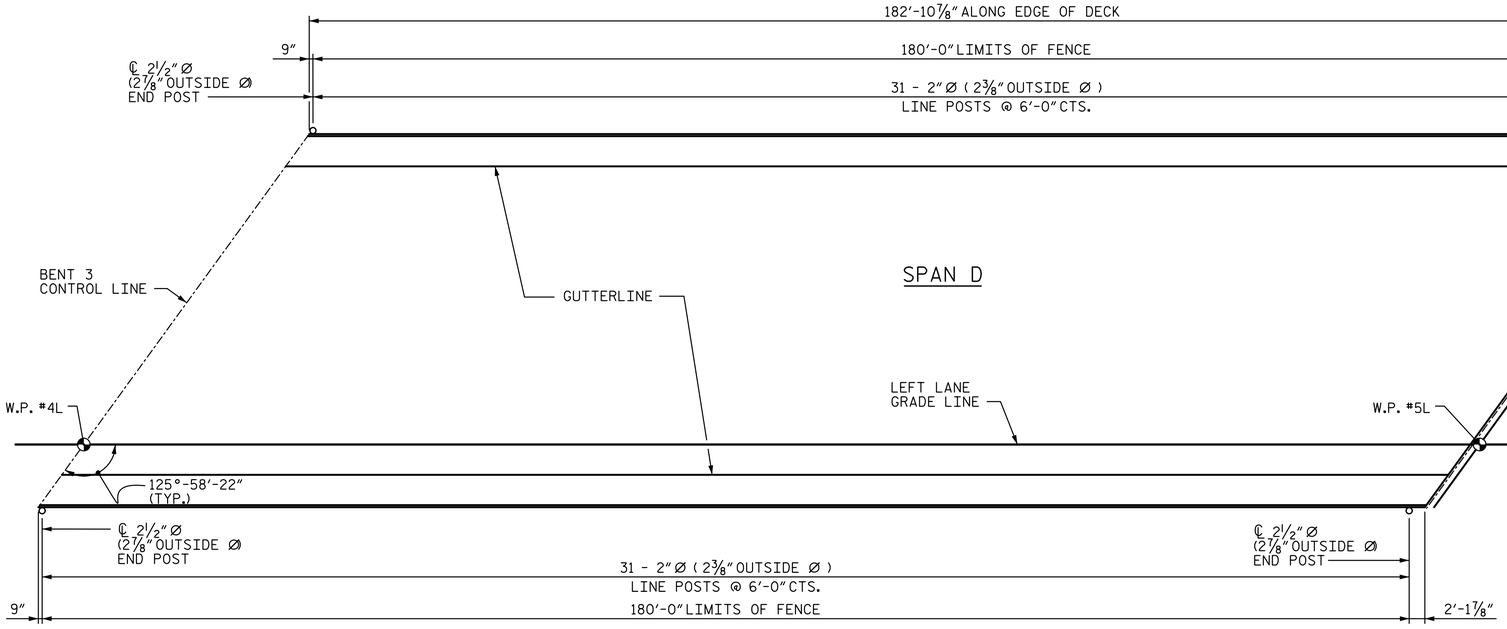
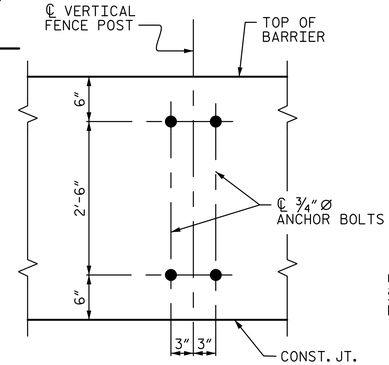
DocuSign Envelope ID: 1DA0EE24-5FE9-4949-965B-1C2D4E2A0F2F

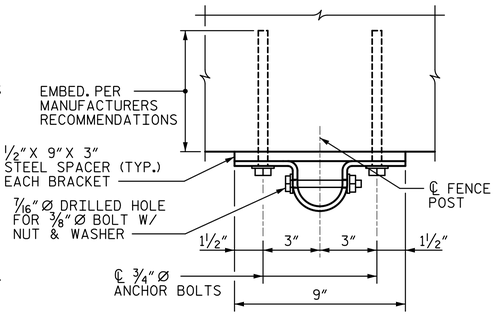


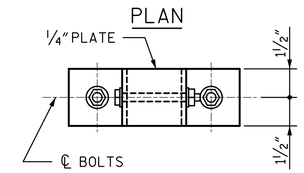
PLAN OF FENCE POST SPACING

PAY LENGTH 360.0 FEET



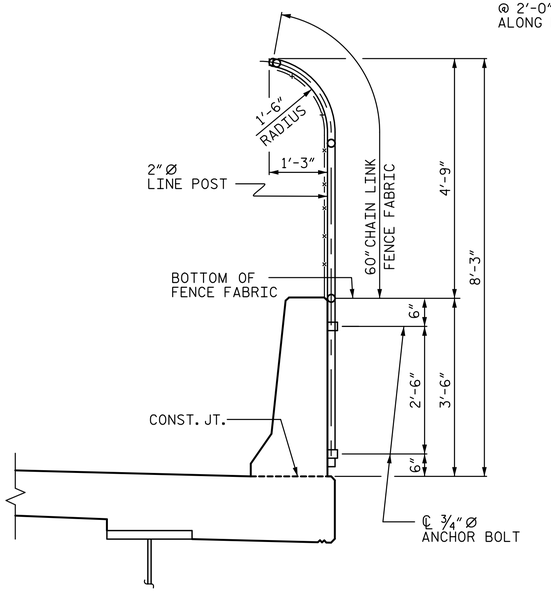
BOLT SETTING DETAIL



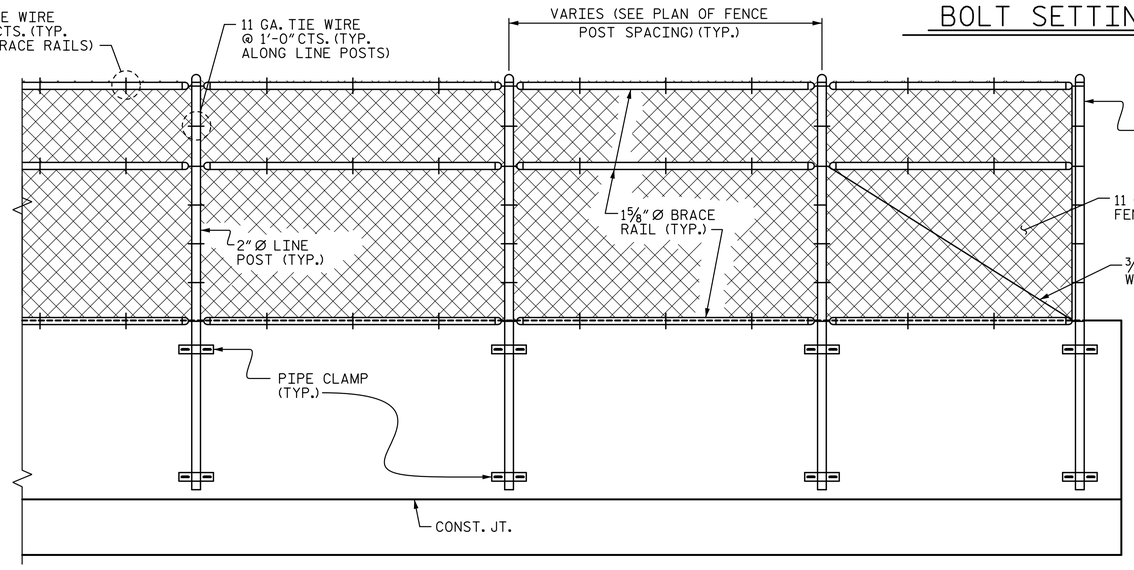


ELEVATION

PIPE CLAMP DETAILS



SECTION THRU FENCE



PARTIAL ELEVATION

NOTES

FOR BRIDGE MOUNTED CHAIN LINK FENCE, SEE SPECIAL PROVISIONS.

BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M291. BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED. (AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLTS, NUTS, AND WASHERS MAY BE USED AS AN ALTERNATE FOR THE 3/4" Ø GALVANIZED BOLTS, NUTS, AND WASHERS. THEY SHALL CONFORM TO OR EXCEED THE MECHANICAL REQUIREMENTS OF ASTM A307. THE USE OF THIS ALTERNATE SHALL BE APPROVED BY THE ENGINEER.)

LEVEL ONE FIELD TESTING IS REQUIRED AND THE YIELD LOAD OF THE ANCHOR BOLTS IS 10.0 KIPS. FOR ADHESIVELY ANCHORED ANCHOR BOLTS, SEE THE STANDARD SPECIFICATIONS.

ALL FENCE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 1050 OF THE STANDARD SPECIFICATIONS. GALVANIZE ALL STEEL PARTS AND HARDWARE IN ACCORDANCE WITH ARTICLE 1076 OF THE STANDARD SPECIFICATIONS.

FENCE POST LOCATIONS SHALL BE SHIFTED, AS NECESSARY, TO MAINTAIN 1'-0" MINIMUM DISTANCE FROM ANCHOR BOLT TO JOINTS IN CONCRETE BARRIER RAIL.

DIMENSIONS TAKEN ALONG OUTSIDE FACE OF CONCRETE BARRIER RAIL.

CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE REINFORCING STEEL IN CONCRETE BARRIER RAIL.

PROJECT NO. R-2707C

CLEVELAND COUNTY

STATION: 596+50.98 -L-

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 40317 ENGINEER TONY R. LAWS, JR.

DocuSigned by: Tony R. Laws, Jr. C40CE06F08764F7...

12/13/2016

STV 100 Years

STV ENGINEERS, INC.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BRIDGE MOUNTED CHAIN LINK FENCE

(SITE 6L)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S7-33
1			3			TOTAL SHEETS
2			4			56

DRAWN BY : ATH	DATE : 9-16	DESIGN ENGINEER OF RECORD: T. LAWS	DATE : 10-16
CHECKED BY : TRL	DATE : 10-16		

dlveyac 12/13/2016 6:59:42 PM R:\407_065_R2707C_SMU_BMCLF_S7-33.dgn