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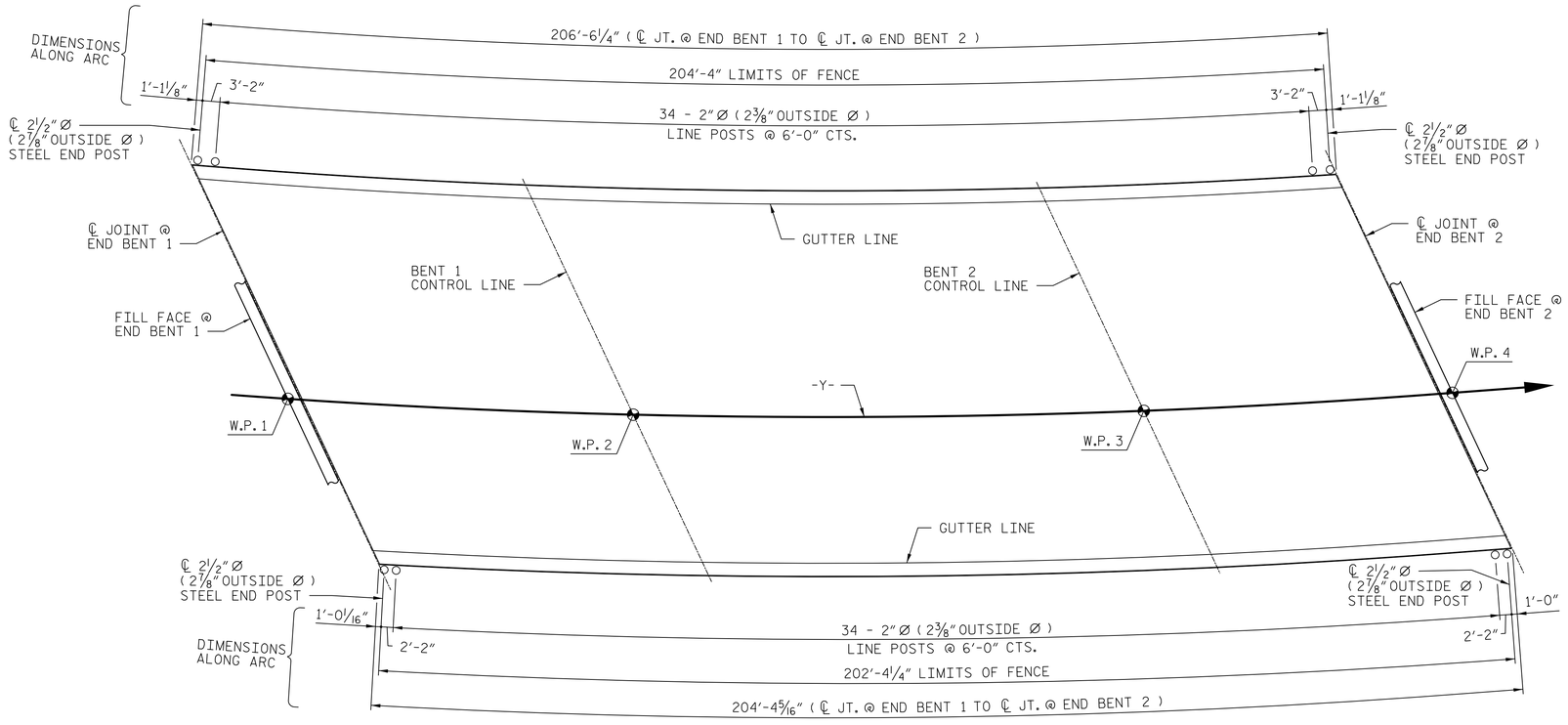


PLAN OF FENCE POST SPACING

TOTAL PAY LENGTH = 406.7 FEET

NOTES:

FOR BRIDGE MOUNTED 72" 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 ¾"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.)

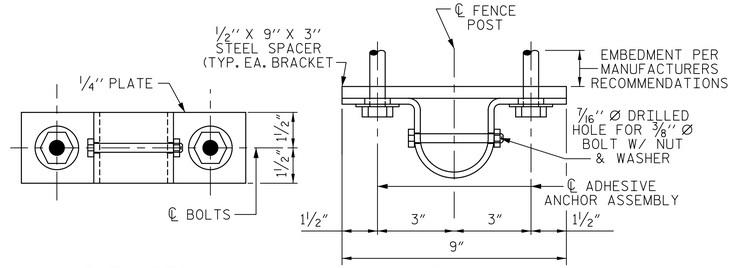
LEVEL ONE FIELD TESTING IS REQUIRED AND THE YIELD LOAD OF THE ANCHOR BOLTS IS 10.0 KIPS. FOR ADHESIVELY ANCHORED ANCHOR BOLTS, SEE THE STANDARD SPECIFICATIONS.

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.

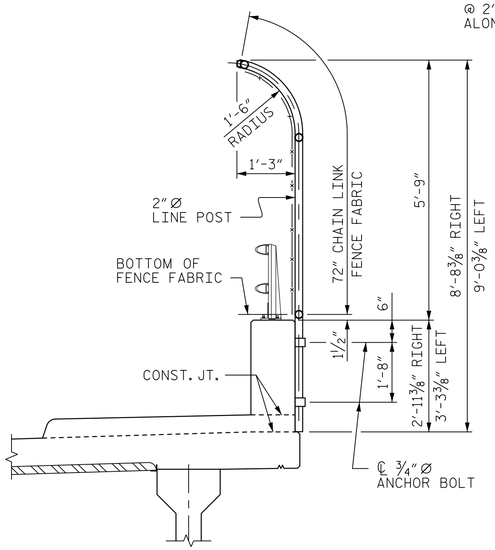
FENCE POST LOCATIONS SHALL BE SHIFTED, AS NECESSARY, TO MAINTAIN 12" MINIMUM DISTANCE FROM ANCHOR BOLT TO JOINTS IN PARAPET.

DIMENSIONS TAKEN ALONG OUTSIDE FACE OF PARAPET.

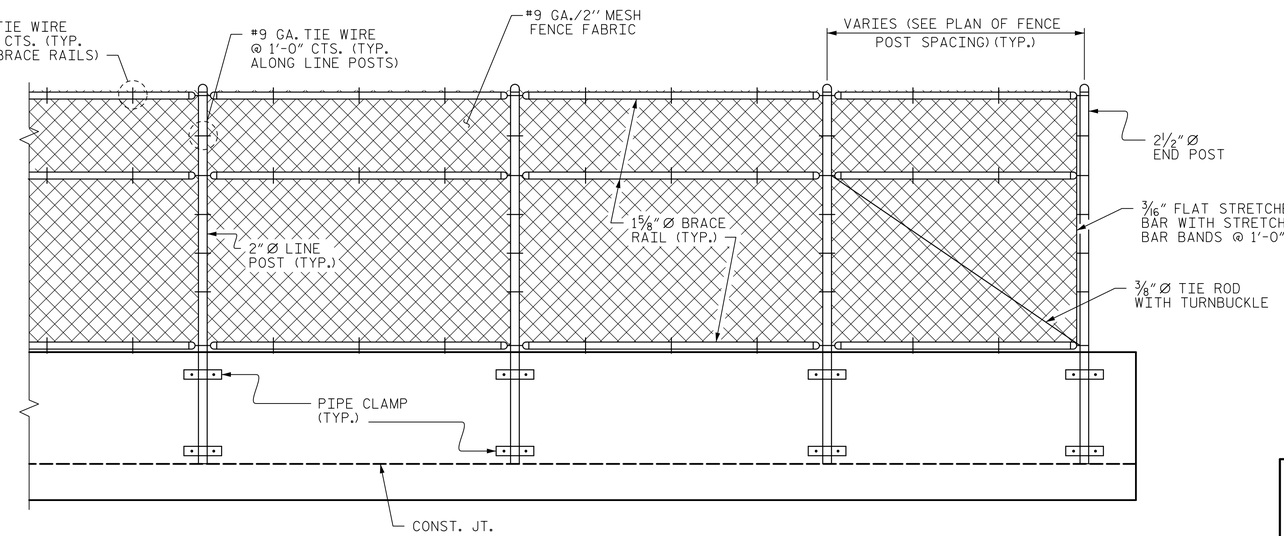
WELDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 1072-20 OF THE STANDARD SPECIFICATIONS.



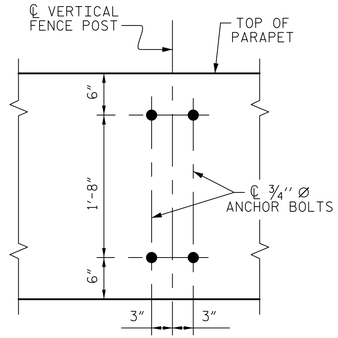
PIPE CLAMP DETAILS



SECTION THRU FENCE



PARTIAL ELEVATION



BOLT SETTING DETAIL

PROJECT NO. U-2707

FORSYTH COUNTY

STATION: 17+34.88 -Y-

BRIDGE NO. 109

AECOM
AECOM TECHNICAL SERVICES, INC.
701 CORPORATE CENTER DRIVE, SUITE 475
RALEIGH, NC 27607
(919) 854-6200
www.aecom.com
AECOM License No. F-0342

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BRIDGE MOUNTED 72" CHAIN LINK FENCE

NORTH CAROLINA PROFESSIONAL SEAL D5F474 ENGINEER JOHN C. MORRISON
DocuSigned by: John C. Morrison
1/12/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-66
1	.	.	3			TOTAL SHEETS
2			4			86

DRAWN BY : DDL DATE : 11/2015
CHECKED BY : JCM DATE : 11/2015

DATE: 1/12/2016
TIME: 8:50:40 AM

USER: kyle.compton
DGN: R:\Bridge 109\Cad\402_047_U2707_SMU_S66_CLF.dgn