8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-3454	UC-2
DESIGNED BY: JAN	
DRAWN BY: JAN	
CHECKED BY: RBW	
APPROVED BY: RBW	
REVISED:	

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN SERVICES UNIT
PHONE:(919)250-4128
FAX:(919)250-4119

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 10157 RONALD B. WILKINS
10/12/04

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

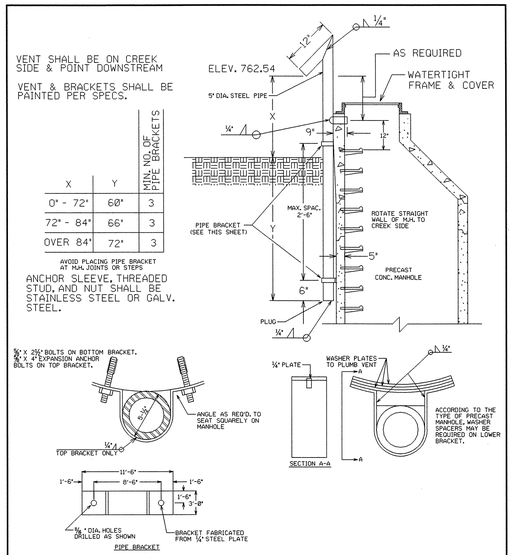
VENT SHALL BE ON CREEK SIDE & POINT DOWNSTREAM

VENT & BRACKETS SHALL BE PAINTED PER SPECS.

X	Y	MIN. NO. OF PIPE BRACKETS
0" - 72"	60"	3
72" - 84"	66"	3
OVER 84"	72"	3

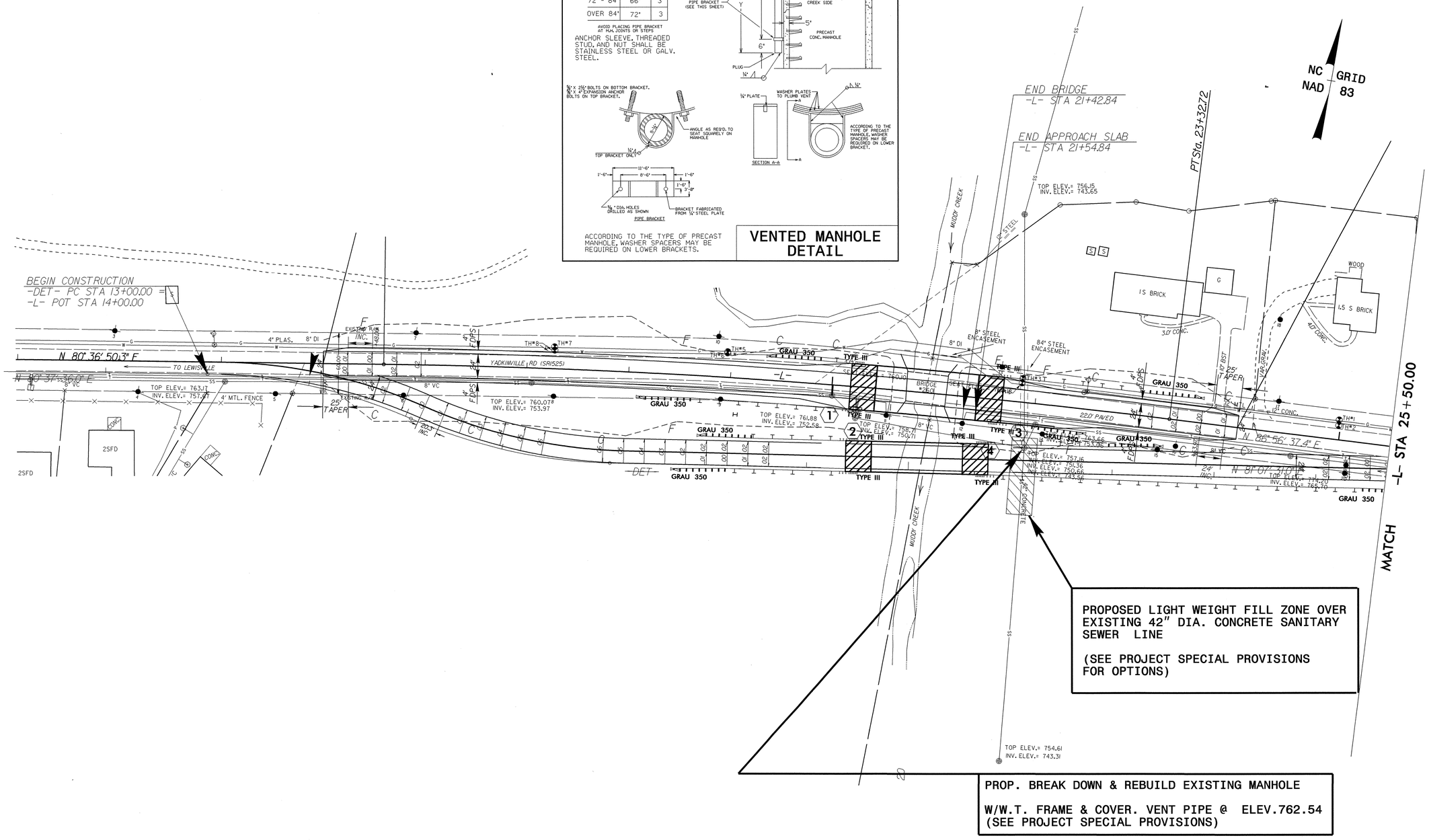
AVOID PLACING PIPE BRACKET AT MH JOINTS OR STEPS

ANCHOR SLEEVE, THREADED STUD, AND NUT SHALL BE STAINLESS STEEL OR GALV. STEEL.



ACCORDING TO THE TYPE OF PRECAST MANHOLE, WASHER SPACERS MAY BE REQUIRED ON LOWER BRACKETS.

VENTED MANHOLE DETAIL



PROPOSED LIGHT WEIGHT FILL ZONE OVER EXISTING 42" DIA. CONCRETE SANITARY SEWER LINE

(SEE PROJECT SPECIAL PROVISIONS FOR OPTIONS)

PROP. BREAK DOWN & REBUILD EXISTING MANHOLE

W/W.T. FRAME & COVER. VENT PIPE @ ELEV.762.54
(SEE PROJECT SPECIAL PROVISIONS)

12-OCT-2004 11:36
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