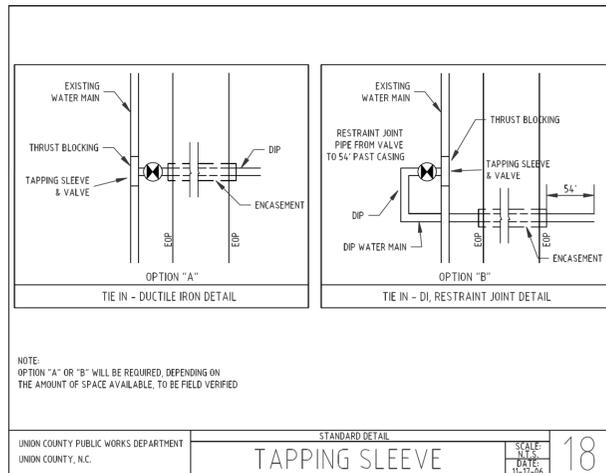
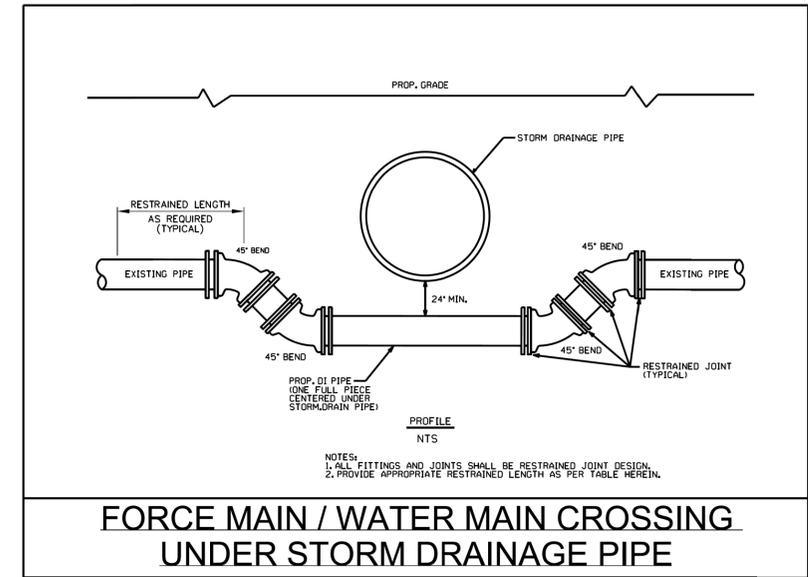
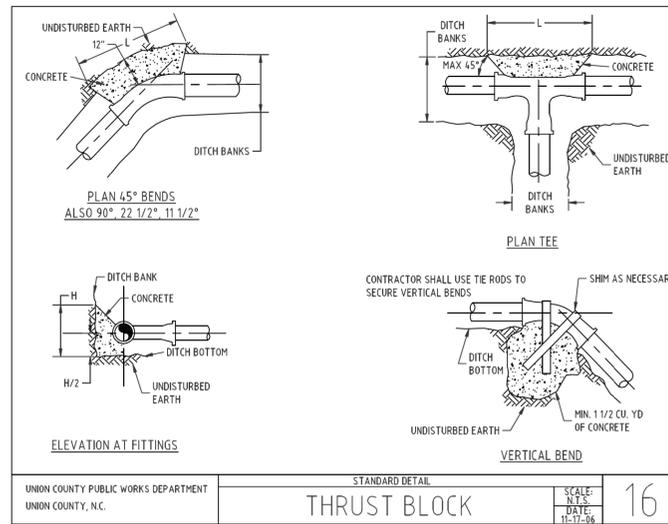
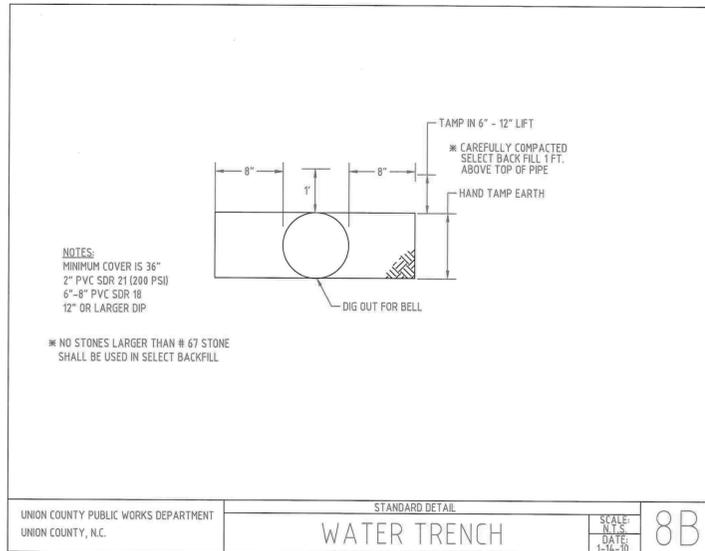


PROJECT REFERENCE NO.	SHEET NO.
<b>B-5243</b>	<b>UC-3A</b>
DESIGNED BY: BCH	
DRAWN BY: BCH	
CHECKED BY: JLT	
APPROVED BY: MRB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 TGS ENGINEERS 804-C N. LAFAYETTE ST. SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



ANCHORAGE SCHEDULE

PIPE SIZE	11 1/4 BEND		22 1/2 BEND		45 BEND		90 BEND		TEE	TEST PRESSURE (P.S.I.)
	L	H	L	H	L	H	L	H		
6"	13"	10"	23"	10"	26"	16"	29"	16"	20"	200
8"	16"	13"	23"	16"	30"	20"	39"	20"	26"	200
12"	26"	19"	40"	23"	43"	30"	50"	33"	40"	200
14"	36"	27"	53"	26"	60"	33"	70"	36"	50"	300
16"	40"	30"	60"	30"	65"	39"	80"	40"	50"	300

THRUST BLOCK DIMENSIONS BASED ON SOIL BEARING CAPACITY OF 2000 P.S.F. AND A WATER TEST PRESSURE OF 150 P.S.I. SIZES OF THRUST BLOCKS MAY BE REVISED BY THE ENGINEER WHERE BEARING CAPACITY OF SOIL VARIES.

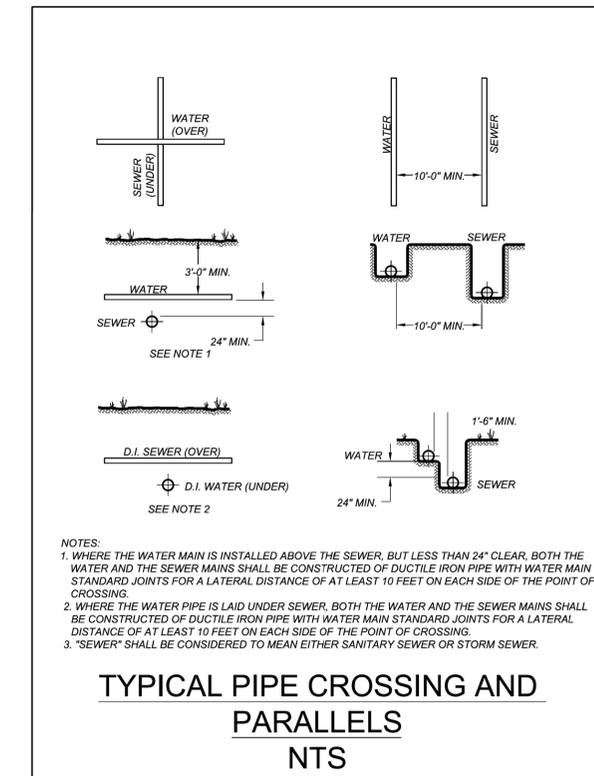
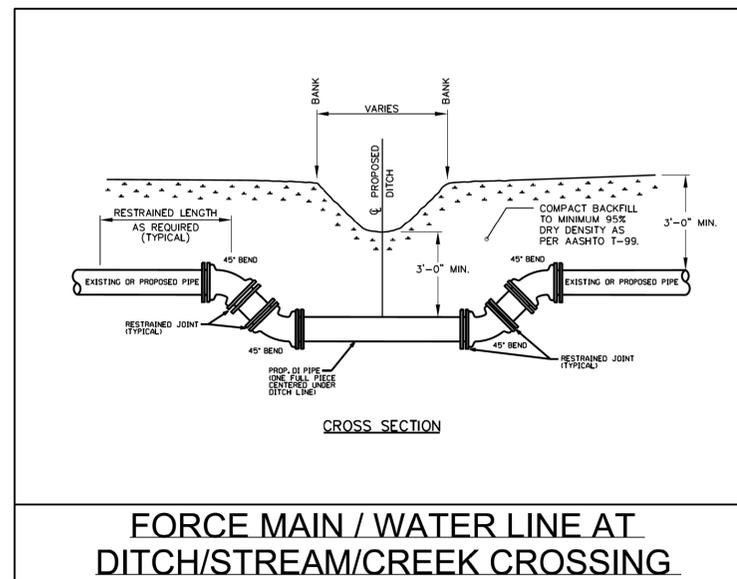
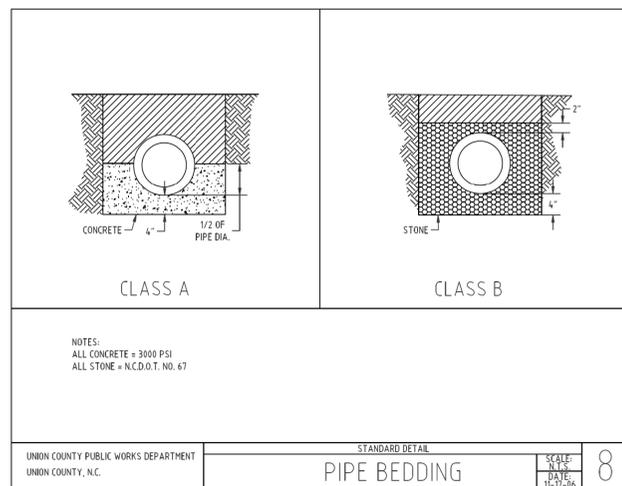
PROVIDE TAR PAPER JOINT BETWEEN CONCRETE THRUST BLOCK AND PORTION OF PIPE BEING ANCHORED.

ALL CONCRETE THRUST BLOCKS SHALL BE 2500 P.S.I. CONCRETE.

MAXIMUM VERTICAL DEFLECTION SHALL BE 22 1/2".

JOINTS SHALL REMAIN FREE OF CONCRETE FOR INSPECTION, REPAIR OR REPLACEMENT OF JOINTS.

UNION COUNTY PUBLIC WORKS DEPARTMENT  
 STANDARD DETAIL  
 THRUST BLOCK SPECIFICATIONS  
 SCALE: N.T.S. DATE: 11-17-06  
 17



UTILITY DETAILS