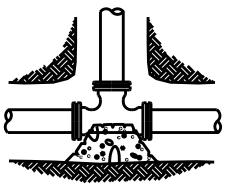
# **PROJECT**

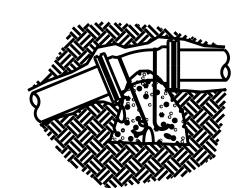
	I -5883	UC-3A
	DESIGNED BY: DMP	,111111111 <sub>111</sub> ,
	DRAWN BY: DMP	TH CAROLLIN
T TVDTOAL DETAILO	CHECKED BY: DMP	Possistined by \$10 1 1
T TYPICAL DETAILS	APPROVED BY:	E KANAY MAHAU 77 AZAAO DO 0772 Z
	REVISED:	10117
	NORTH CAROLINA DEPARTMENT OF	MONEER
	TRANSPORTATION	1/1/2 L. MC 1/2/2021
	UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	

BEARI	NG ARE	(HORIZONTAL) A OF THRUST	BLOC	KS IN S	SQ. FT.	OLUME	OF YDS.	THR (VERTIC	UST (	BLOCK
TITTING	TEE	90° BEND	45*	22 1/2*	11 1/4*	FITTING	BEI	ND ANO	ilE	
SIZE			BEND	BEND	BEND	SIZE	45*	22.5°	11,25*	
4	1,3	1.8	1.0	1.0	1.0	4	1,1	0.4	0.2	
6	2.8	4.0	2.2	1,1	1.0	6	2.7	1.0	0.4	
8	5.0	7,1	3.8	2.0	1.0	8	4.0	1.5	0.6	
12	11,3	16.0	8.7	4,4	2.2	12	8.5	3.2	1,3	
16	20.1	28.4	15,4	7.8	3.9	16	14.8	5.6	2.3	
20	31,1	44,4	24.0	12.3	6.2					r
24	45.2	64.0	34.6	17,7	8.9					

## VALUES BASED ON 200 PSI WATER PRESSURE AND 2000 PSF SOIL BEARING CAPACITY.

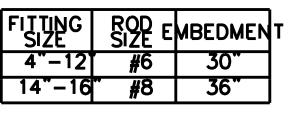


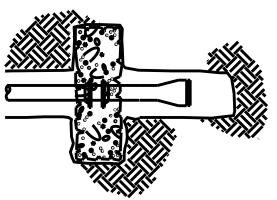




TEE

VERTICAL BEND

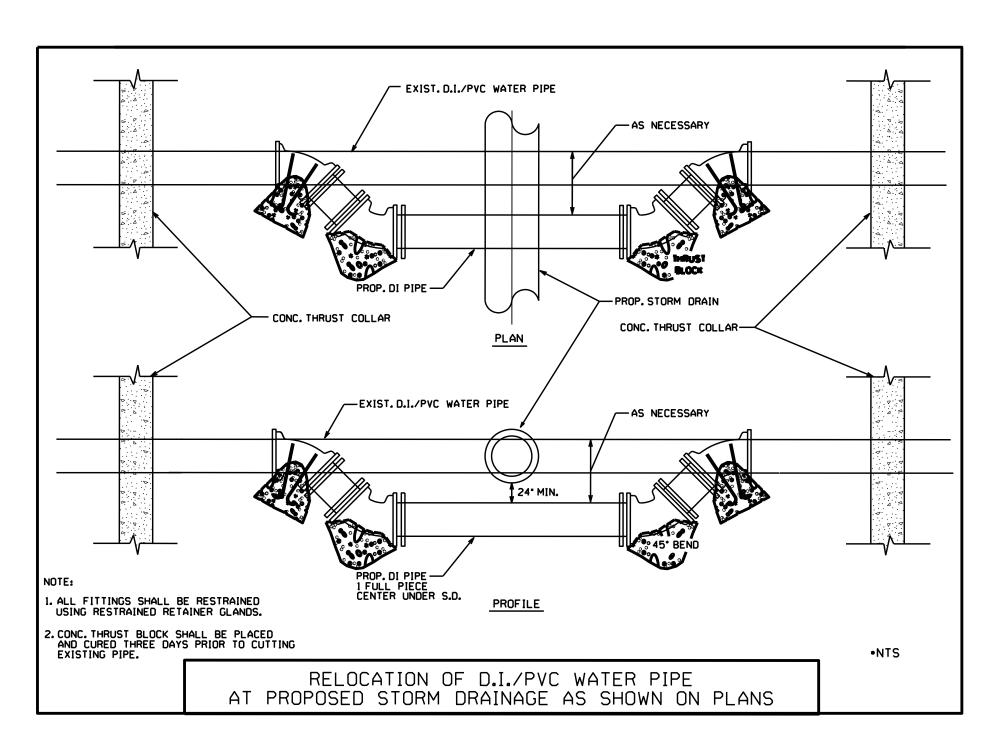


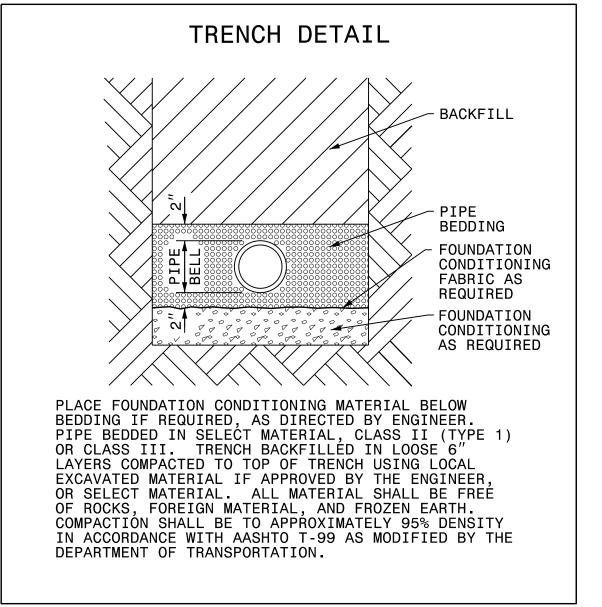


STRADDLE BLOCK SEE DETAIL No. 200

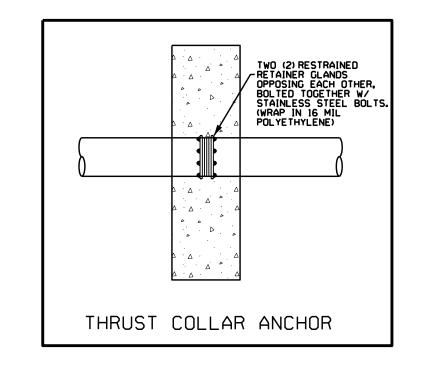
- 1) CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH
- 2) ALL CONCRETE TO BE CLASS 3000
- 3) INSTALL 12 MIL TOTAL THICKNESS POLYETHENE SHEET AROUND FITTING. SECURE SHEET ENDS TO PREVENT INFILTRATION OF DIRT BETWEEN SHEET AND PIPE FITTING PRIOR TO POURING THRUST BLOCKING
- 4) PROTECT MECHANICAL JOINT FOLLOWERS AND BOLTS FROM CONCRETE WITH TEMPOARY FORMS AND POLYETHENE SHEETING SEE NOTE No. 3

### THRUST BLOCKING DETAILS





MAXIMUM TRENCH WIDTH AT TOP OF PIPE						
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)			
4	28	20	44			
6	30	24	48			
8	32	30	54			
10	34	36	60			
12	36	42	66			
14	38	48	72			
16	40	54	78			
18	42					





STAINLESS STEEL SPIDER ASSEMBLY TWO PER LENGTH OF PIPE MINIMUM ADEQUATELY DESIGNED TO MAINTAIN PROPER GRADE & ALIGNMENT INDICATED ON PLANS

PROJECT REFERENCE NO. SHEET NO.

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

→ STEEL ENCASEMENT PIPE (DIAMETER, MINIMUM WALL THICKNESS, AND INSTALLATION METHOD NOTED ON PLANS FOR EACH ENCASEMENT)

- NOTES:
  1. ENCLOSE ENDS WITH BRICK MASONRY.
- 2. PROVIDE 1" WEEP HOLE AT LOW END OF ENCASEMENT. 3. DO NOT FILL ENCASEMENTS SMALLER THAN 24". FOR
- ENCASEMENTS 24" AND LARGER, FILL ONLY WITH CLASS III, IV, OR V SELECT MATERIALS.

TYPICAL ENCASEMENT PIPE SECTION N.T.S.

> DAVIS • MARTIN • POWELL
>
> SIIR V E Y O R S 6415 OLD PLANK RD, HIGH POINT, NC 27265 PHONE: (336)886-4821 FAX: (336)886-4458

WWW.DMP-INC.COM LICENSE: F-0245