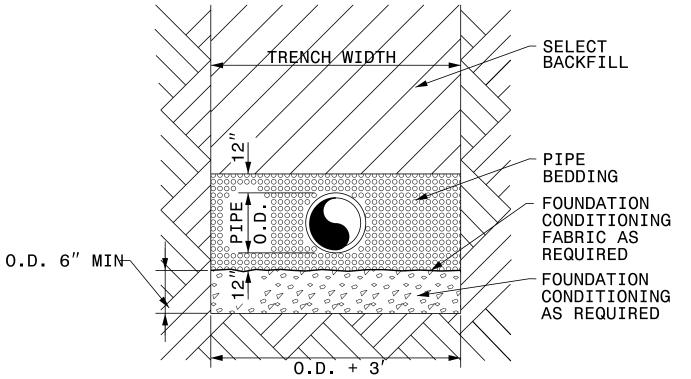


VALVE ASSEMBLY
SEE DETAIL 0264001R OR 0264006 STANDARD THRUST COLLAR SEE DETAIL 0222119R 16" MAIN- ONE (1) THRUST COLLAR REQUIRED - GREATER THAN 16" MAIN - TWO (2) THRUST COLLARS REQUIRED, SEE DETAIL 0222119R

> THRUST COLLARS AT VALVES 16" AND LARGER

> > 0222125R



PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER PIPE BEDDING IS SELÉCT MATERIAL, CLASS II (TYPE 1) OR CLASS III. TRENCH BACKFILLED IN LOOSE 6' LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREÉ OF ROCKS, FOREIGN MATERIAL, WATER, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROXIMATELY 95% STD. PROCTOR DENSITY IN AREAS NOT UNDER PAVEMENT AND 98% IN AREAS UNDER PAVEMENT IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE NC DEPARTMENT OF TRANSPORTATION.

TYPICAL TRENCH DETAIL

0222132

P.O. BOX 33068

RALEIGH, NORTH CAROLINA 27636-3068

PHONE: (919) 677-2000

FAX: (919) 677-2050

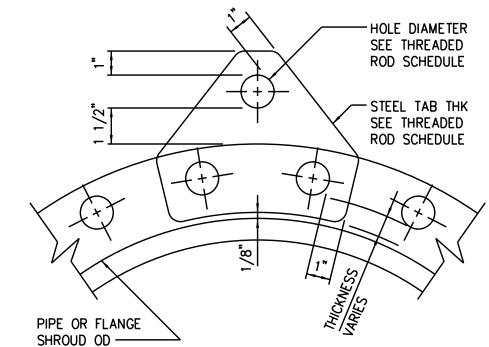
PE NO. F-0102

U-3308 UC-3D DESIGNED BY: KFC JGB DRAWN BY: DO OF ESSION AS CHECKED BY: DGB SEAL APPROVED BY: JJW 030056 REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC PHONE: (919)707-6690 UTILITY CONSTRUCTION FAX: (919)250-4151 PLANS ONLY

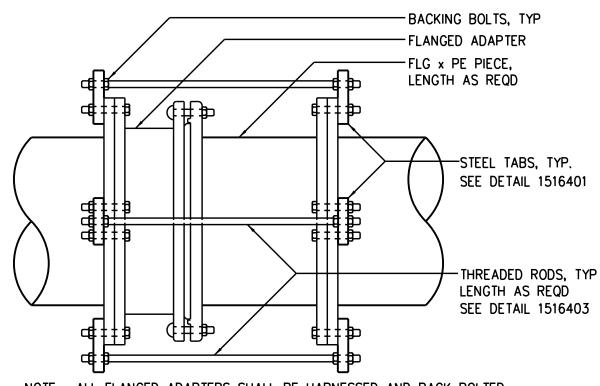
SHEET NO.

PROJECT REFERENCE NO.

UTILITY CONSTRUCTION



STEEL TAB 1516401



NOTE: ALL FLANGED ADAPTERS SHALL BE HARNESSED AND BACK BOLTED TO PREVENT MOVEMENT IN EITHER DIRECTION. SEE THREADED ROD SCHEDULE FOR ROD DIAMETER, MATERIAL AND STEEL TAB THICKNESS.

HARNESSED FLANGED ADAPTER 1516402

					•	THREA	DED ROD	) SCHE	EDULE					
					DESI	GN PRES	SSURE (DIM	ENSIONS	IN INCHES	)				
PIPE SIZE	50 PSI		100 PSI		150 PSI		200 PSI		250 PSI		300 PSI		350 PSI	
	BOLTS NO-DIA	TAB THK												
4,6	2-3/4	1	2-3/4	1	2-3/4	1	2-3/4	1	2-3/4	1	2-3/4	1	2-3/4	1
8	2-3/4	1 1/4	2-3/4	1 1/4	2-3/4	1 1/4	2-3/4	1 1/4	2-3/4	1 1/4	4-3/4	1 1/4	4-3/4	1 1/4
10	2-3/4	1 1/4	2-3/4	1 1/4	2-3/4	1 1/4	4-3/4	1 1/4	4-3/4	1 1/4	4-3/4	1 1/4	4-3/4	1 1/4
12	2-3/4	1 1/4	2-3/4	1 1/4	4-3/4	1 1/4	4-3/4	1 1/4	6-3/4	1 1/4	6-3/4	1 1/4	6-3/4	1 1/4
14	2-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2
16	2-3/4	1 1/2	4-3/4	1 1/2	6-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	4-3/4	1 1/2	6-3/4	1 1/2
18	2-3/4	1 3/4	4-3/4	1 3/4	6-3/4	1 3/4	4-3/4	1 3/4	6-3/4	1 3/4	6+3/4	1 3/4	6-3/4	1 3/4
20	4-3/4	1 3/4	4+3/4	1 3/4	4-3/4	1 3/4	4-3/4	1 3/4	6-3/4	1 3/4	6-3/4	1 3/4	8-3/4	1 3/4
24	4-3/4	2	4-3/4	2	6-3/4	2	6-3/4	2	8-3/4	2	10-3/4	2	10-3/4	2
30	4-1	2 1/4	4-1	2 1/4	4-1	2 1/4	6+1	2 1/4	8+1	2 1/4	10-1	2 1/4	10-1	2 1/4
36	4-1	2 1/2		2 1/2	6-1	2 1/2	8-1	2 1/2	10-1	2 1/2	12-1	2 1/2	14-1	2 1/2
42	4-1 1/4	2 3/4	4-1 1/4	2 3/4	6-1 1/4	2 3/4	8-1 1/4	2 3/4	10-1 1/4	2 3/4	12-1 1/4	2 3/4	12-1 1/4	2 3/4
48	6-1 1/4	2 3/4	4-1-1/4	2 3/4	8-1 1/4	2 3/4	8-1 1/4	2 3/4	12-1 1/4	2 3/4	12-1 1/4	2 3/4	14-1 1/4	2 3/4
54	6-1 1/4	3	6-1-1/4	- 3	8-1 1/4	3	12-1 1/4		14-1 1/4	3	16-1 1/4	3	18-1 1/4	3

- 2. ALL OTHER THREADED RODS SHALL BE ASTM A36, ALL TABS SHALL BE ASTM A572 GR50, 3, ASTM A193 (GRADE B7) RODS SHALL BE LABELED AND BUNDLED SEPARATELY.
- 4. THIS SCHEDULE SHALL APPLY FOR HARNESSED FLANGED ADAPTERS, HARNESSED FLEXIBLE COUPLINGS
- AND ALL MECHANICAL JOINT COUPLINGS, SLEEVES ETC. THAT ARE REQUIRED TO BE HARNESSED. 5. RODS THREADED AT ENDS (INCLUDING NUTS) SHALL BE EQUALLY SPACED AROUND PIPE BETWEEN ALL MECHANICAL JOINT FITTINGS (TEE, VALVES, BEND, PLUG, ETC.) OR AS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS. THREADED RODS SHALL BE AS SHOWN IN THE THREADED ROD
- SCHEDULE. SEE NOTE 6. 6. RODS, NUTS, ETC., IN CONTACT WITH SOIL SHALL BE PAINTED WITH TWO COATS COAL TAR (MIN 26 DRY MIL THICKNESS) TNEMEC 46-465 HI-BUILD OR EQUAL.

1516403