PROJECT REFERENCE NO.	SHEET NO.
B-4152	UC-3

DESIGNED BY:	DWP
DRAWN BY:	DWP
CHECKED BY:	GYS
APPROVED BY:	GYS
REVISED:	

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

PROJECT SERVICES UNIT
PHONE:(919)250-4128
FAX:(919)250-4119

UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION

TYPE "2"
(BEDDING FOR D.I. PIPE)

PIPE BEDDED IN FLAT-BOTTOM TRENCH. 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 FREE OF ROCKS, FOREIGN
MATERIAL, AND FROZEN EARTH. COMPACTION SHALL
BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH
AASHTO T-99 AS MODIFIED BY THE DEPARTMENT
OF TRANSPORTATION.

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		

CLASS "C"
(BEDDING FOR P.V.C. PIPE)

PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH
A MINIMUM OF 6" UNDER PIPE. 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 FREE OF ROCKS, FOREIGN MATERIAL, AND
FROZEN EARTH. COMPACTION SHALL BE TO APPROX.
95% DENSITY IN ACCORDANCE WITH AASHTO T-99
AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

NOTE:
THRUST COLLAR TO BE INSTALLED AND
ALLOWED TO CURE A MINIMUM OF 3 DAYS
PRIOR TO SHUTTING DOWN WATER MAIN OR
FORCE MAIN FOR RELOCATION.

PLAN VIEW

SECTION A-A

THRUST COLLAR DETAIL