LKC

Engineering
Landscape Architecture
Surveying

B-5716 UC-3B

DESIGNED BY: BGL

DRAWN BY: RMG

CHECKED BY: BGL

APPROVED BY: -

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE: (919) 707-6690

REVISED:

PHONE: (919) 707-6690

FAX: (919) 250-4151

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MIN. EXCAVATED
TRENCH WIDTH
PIPE WIDTH + 12"

3' MIN.
COVER

PIPE
WIDTH

#12 COPPER
TRACER WIRE
OVER NON
FERROUS PIPE

LIGHTLY
CONSOLIDATED
BACKFILL

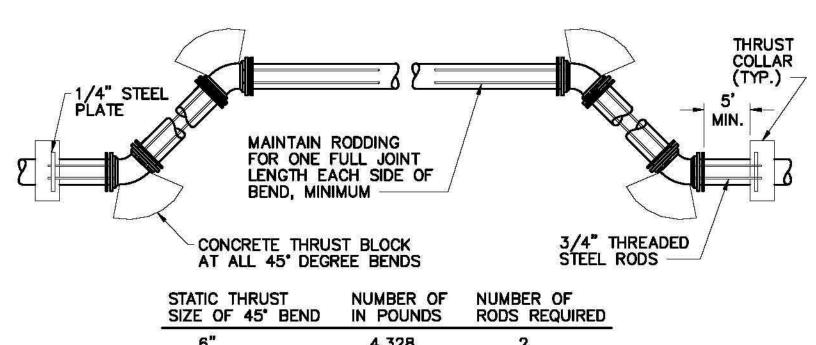
4" MIN.

BEDDING

OTFS:

- 1. BEDDING SHALL BE 4" MINIMUM LOOSE SOIL, FREE FROM ROCKS, AND SHALL PROVIDE UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
- 2. BACKFILL PER NCDOT STANDARDS.

TRENCH DETAIL TYPE 3 LAYING CONDITIONS



STATIC THRUST SIZE OF 45° BEND	NUMBER OF IN POUNDS	NUMBER OF RODS REQUIRED
6"	4,328	2
8"	7,694	2
12 " 16"	17,312	4
16"	30,779	4
20"	48,091	6
24"	69,252	8

NOTES:

- ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL RECIEVE 2 COATS OF BITUMINOUS MATERIAL OR SHALL BE GALVANIZED.
- 2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.

VERTICAL BENDS

