VERTICAL THRUST BLOCKS, (TYPICAL BOTH SIDES)
SEE VERTICAL THRUST BLOCK
DETAIL DRAWING NO. C.12

2 - 45° BENDS
(TYP BOTH SIDES)

JOINT RESTRAINT (IF CONCRETE
THRUST BLOCK ARE NOT USED)
REFER TO THE ROD
DETAIL DRAWING NO. C.07
FOR REQUIRED ROD TYPES, SIZES
AND LENGTHS (SIMILAR ON OPPOSITE SIDE)

NOTE: PIPE RESTRAINT SHALL
BE EITHER CONCRETE THRUST BLOCKS
OR JOINT RESTRAINT AS SPECIFIED

WATER LINE
TO BE RELOCATED

STAINLESS STEEL
STRAPS (TYP)

TIE RODS (TYP)

Utility Line Lowering
Utility Line Crossing Only

University of Colorado

DRAWN BY: CHECKED BY: APPROVED BY:

ISSUED: JULY, 1999
REvised: ________

DRAWING NO. C.04