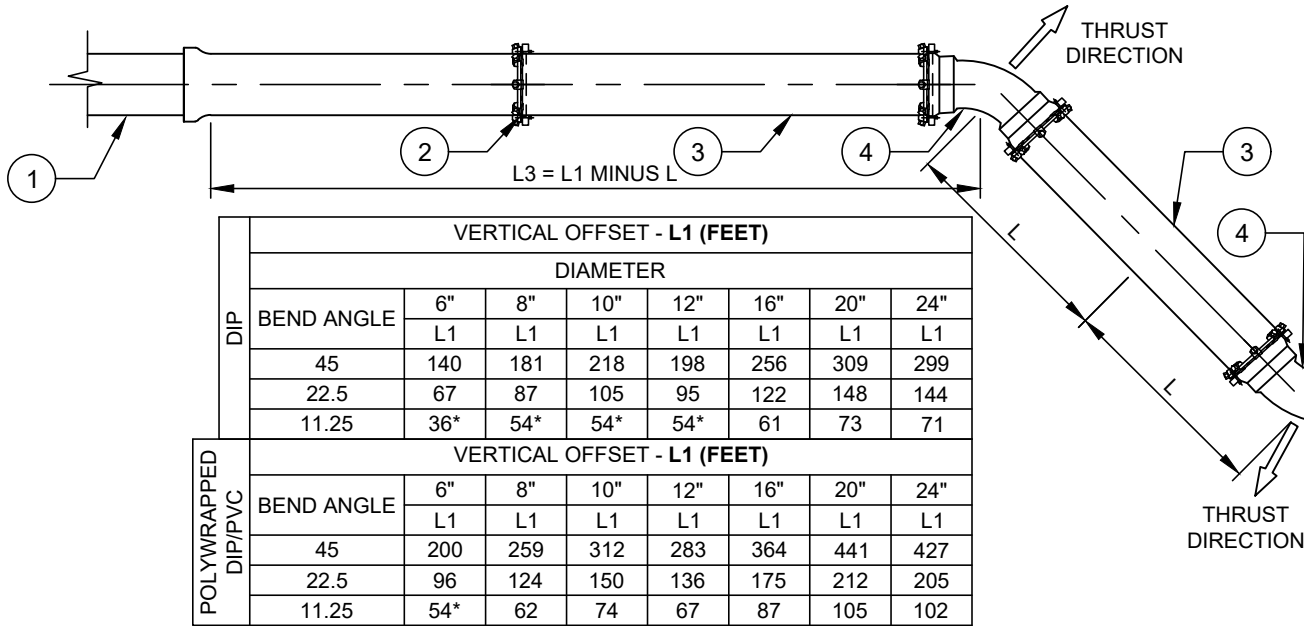


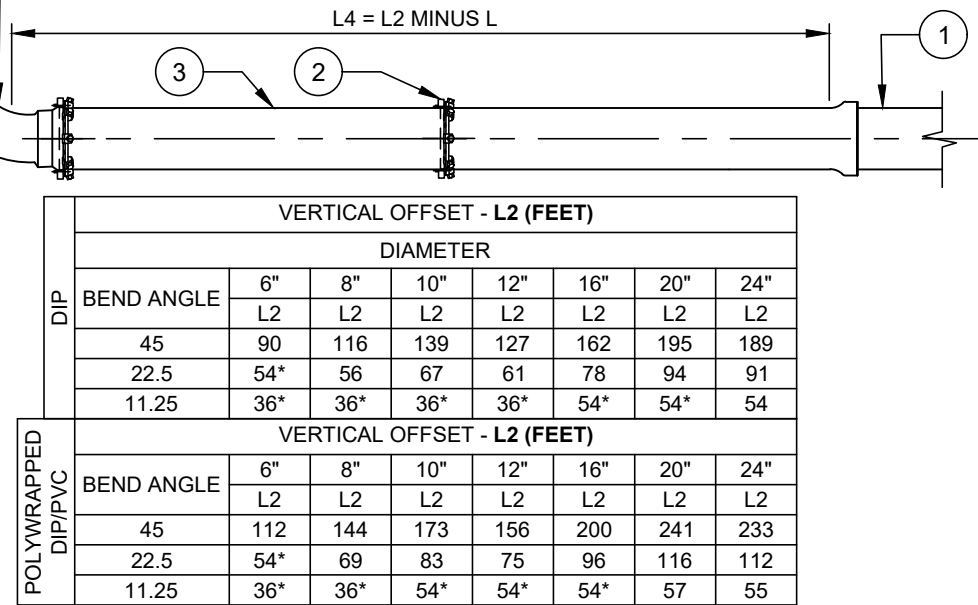


NOTE:

A. AN ASTERIK (*) SIGNIFIES THAT THE CALCULATED LENGTH WAS ROUNDED TO A FULL PIPE LENGTH JOINT FOR MINIMUM INSTALLATION.

NO. DESCRIPTION:

1. SLIP JOINT PIPE.
2. RESTRAINED JOINT.
3. RESTRAINED JOINT PIPE.
4. RESTRAINED JOINT BEND.



DESIGN BASIS:
DIPRA "THRUST RESTRAINT DESIGN FOR DIP"
LAYING CONDITION: TYPE 2
SOIL DESIGNATION: SILT 1
DEPTH OF COVER: 3' MINIMUM (SEE NOTE c)
DESIGN PRESSURE: 200 PSI
SAFETY FACTOR: 2.0

NOTES:

a. 12" AND SMALLER DIP MAY BE SLIP JOINT PIPE WITH GRIP RESTRAINT GASKETS.
b. 16" AND LARGER DIP SHALL BE FACTORY RESTRAINT JOINT PIPE AND FITTINGS.
c. DEPTH OF COVER FOR 12" , 16" AND 20" PIPE IS 4" AND FOR 24" PIPE IS 5".
d. DESIGN ENGINEER CAN SUBMIT ALTERNATIVE DESIGN BASIS FOR RESTRAINED JOINT LENGTH CALCULATIONS FOR OWNER REVIEW.

