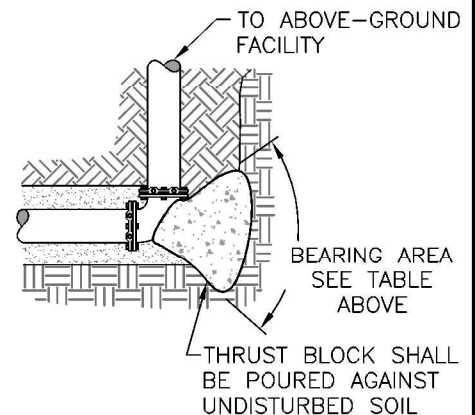
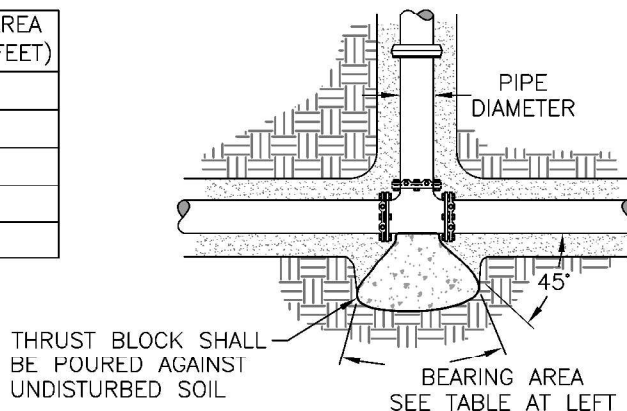


THRUST BLOCK BEARING AREA
(SQUARE FEET)

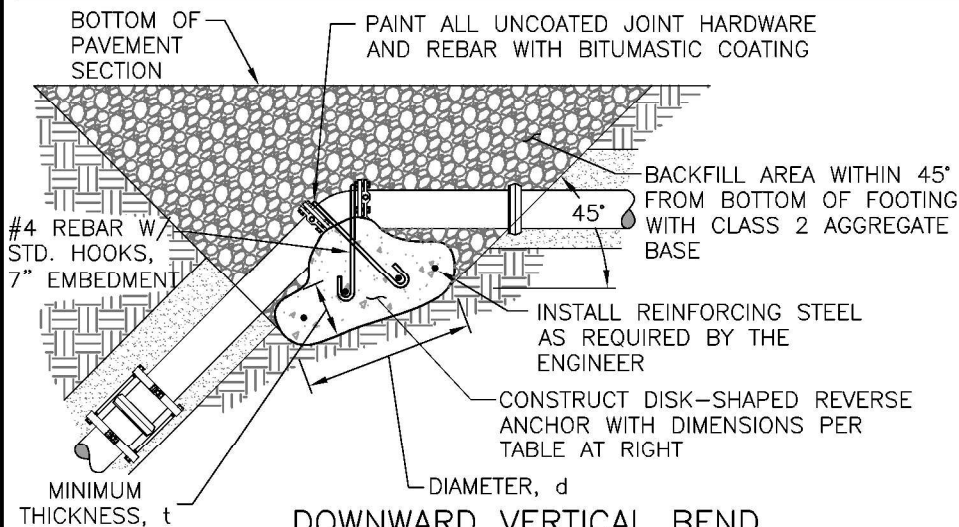
		FITTING DEFLECTION			
		11 1/4°	22 1/2°	45°	90°
PIPE DIAMETER	4"	1	1	2	2
	6"	1	1	2	4
	8"	1	2	4	7
	10"	2	3	6	11
	12"	3	5	9	17

PIPE DIAMETER	BEARING AREA (SQUARE FEET)
4"	2
6"	3
8"	5
10"	9
12"	12

TEE



UPWARD VERTICAL BEND



MINIMUM REVERSE ANCHOR
DIMENSIONS
(FEET)

d / t		FITTING DEFLECTION	
		22 1/2°	45°
PIPE DIAMETER	6"	2 / 0.5	3 / 0.5
	8"	3 / 0.5	4 / 0.8
	10"	3 / 0.5	5.5 / 2
	12"	4 / 0.5	9 / 2

NOTES

1. CONCRETE THRUST BLOCKS SHALL BE INSTALLED WHEN INDICATED BY THE CONTRACT DOCUMENTS OR AT THE DISCRETION OF THE ENGINEER.
2. THRUST BLOCKING IS REQUIRED WHERE IT IS UNKNOWN IF PIPE IS RESTRAINED, SUCH AS AT A CONNECTION TO EXISTING PIPE.
3. ALL CONCRETE SHALL BE 3000 PSI MINIMUM 28 DAYS COMPRESSIVE STRENGTH.
4. FOR PIPELINES LARGER THAN 10" IN DIAMETER, PIPELINES INSTALLED AT DEPTHS LESS THAN 36 INCHES, OR IN POOR SOILS, THRUST BLOCK DESIGN SHALL BE APPROVED BY THE ENGINEER ON A CASE BY CASE BASIS.



SCOTTS VALLEY WATER DISTRICT
WWW.SVWD.ORG

DETAIL 19

THRUST BLOCK INSTALLATION

NOT TO SCALE