

MINIMUM BEARING AREA (SF)					
FITTING	PIPE SIZE				
	4"	6"	8"	10"	12"
11 1/4° BEND	1	2	3	4	5
22 1/2° BEND	2	3	5	7	10
45° BEND	3	6	10	14	20
90° BEND	5	10	17	26	36
TEE, PLUG, OR DEAD END CAP	4	7	12	18	26

**GENERAL NOTES:**

1. MINIMUM BEARING AREAS SHOWN IN THE TABLE WERE CALCULATED BASED ON THE FOLLOWING CONDITIONS:
  - DESIGN PRESSURE IS 250 PSI
  - SOIL BEARING STRENGTH IS 2,000 PSF
  - SAFETY FACTOR IS 1.5
2. BEARING AREAS SHALL BE RECALCULATED WHERE SITE SPECIFIC CONDITIONS VARY FROM THE ABOVE CONDITIONS, AS REQUIRED BY THE DISTRICT.
3. ALL CONCRETE FOR BLOCKING SHALL BE A FIVE (5) SACK MIX.
4. ALL BLOCKING SHALL BE POURED AGAINST FIRM, UNDISTURBED EARTH.
5. FOR PIPE GREATER THAN 12" DIAMETER, THRUST BLOCKS SHALL BE DESIGNED, STAMPED, AND APPROVED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.

SHEET 2 OF 3



## MINIMUM BEARING AREA DETAIL

REVISION DATE FEBRUARY 10, 2025	SCALE NTS	DISTRICT APPROVAL <i>Gregory G. Hill, P.E.</i>	DATE APPROVED FEBRUARY 12, 2025
FILE NAME W-1B.DWG			DWG. NO.   W-1B