Image: Constrained state in the state i								
36"-48" PIPE 2#7'S VERTICAL DOWN BEND TABLE A UPWARD THRUST GRAVITY BLOCKS NOTES:								
PIPE DIA.	MIN. TOP WIDTH W1		BOTTOM WIDTH-W2 (in)	1.			THAN THOSE INDICATED	
6''	6''	0-5 5-15 15-25 ► 25	NOTE 2 24 48 NOTE 1	2.	For Join Horizon	NT DEFLECTION	HALL BE INSTALLED. NS LESS THAN 5 DEGREES, NO ICAL THRUST RESTRAINT IS LESS THAN 42'' IN DIAMETER.	
8''	6''	0-5 5-9 9-15	NOTE 2 30 36	3.			NOT BE INSTALLED WITHOUT WATER ENGINEERING.	
12''	6''	 ► 15 0-5 5-15 ► 15 	NOTE 1 NOTE 2 48 NOTE 1	 THRUST BLOCK DESIGN AS FOLLOWS A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) + 50 % SURGE ALLOWANCE 				
16'' 12''		0-5 5-10 10-15	NOTE 2 60 96	SOIL	B. MAXIMUM SOIL BEARING SEE TABLE BELOW TYPES PRESSURE			
24" THRI 42" THRI		 ▶ 15 ▶ 5.0 ▶ 3.0 	NOTE 1 NOTE 1 NOTE 1	LOOSE OR SPONGY SOIL1500 Lb/Sq.Ft.UNDISTURBED SOIL, CALICHE2000 Lb/Sq.Ft.LIMESTONE ROCK4000 Lb/Sq.Ft.				
© DRAWN BY: EWL APPROVED BY: A. WILLARD					CONCRETE THRUST BLOCKING			
NEW BRAUNFELS UTILITIES WATER SYSTEMS ENGINEERING		DRAWING DATE: 2/1/24	UPDATED:	SCALE	N.T.S.	SHEET: 1 OF 2	drawing no. 221	