LENGTH OF RESTRAINED PIPE (FT)													
NOVEMBER BIRE	BENDS / ELBOWS										TEE	DEDUCEDO	IN-LINE VALVES
NOMINAL PIPE DIAMETER (IN)	90 BEND	45 BEND HORIZONTAL	45 VERT UPPER	BEND TICAL LOWER	22.5 BEND HORIZONTAL	22.5 VERT UPPER	BEND IICAL LOWER	11.25 BEND HORIZONTAL		BEND ICAL LOWER	BRANCH	REDUCERS	AND DEAD ENDS
4	17	7	21	7	3	10	3	2	5	2	31	16	51
6	24	10	30	10	5	14	5	2	7	2	51	48	72
8	31	13	39	13	6	19	6	3	9	3	74	68	94
10	36	15	47	15	7	23	7	4	11	4	92	92	113
12	43	18	55	18	8	27	8	4	13	4	112	97	134
14	48	20	63	20	10	30	10	5	15	5	131	121	152
16	54	22	71	22	11	34	11	5	17	5	150	145	172
18	59	25	79	25	12	38	12	6	19	6	167	149	190
20	64	27	86	27	13	41	13	6	20	6	186	168	208
24	74	31	100	31	15	48	15	7	24	7	220	179	243

NOTES:

- 1. ALL PIPE SHALL BE RESTRAINED, REGARDLESS OF PIPE MATERIAL, IN ACCORDANCE WITH THE INFORMATION ABOVE OR AS PER DESIGN CRITERIA, WHICHEVER IS GREATER.
- 2. WHERE TWO OR MORE FITTINGS ARE TOGETHER, JOINTS SHALL BE RESTRAINED IN ACCORDANCE WITH THE FITTING WHICH YIELDS THE GREATEST LENGTH OF RESTRAINED PIPE.
- 3. THE LENGTH OF RESTRAINED PIPE, PERTAINING TO IN-LINE VALVES, SHALL BE APPLIED TO BOTH SIDES.
- 4. THE LENGTH OF RESTRAINED PIPE, PERTAINING TO REDUCERS, SHALL BE APPLIED TO THE LARGER DIAMETER PIPING ONLY.

LAST REVISION	FEB. 2024
CHECKED	ММ
APPROVED	KRL

