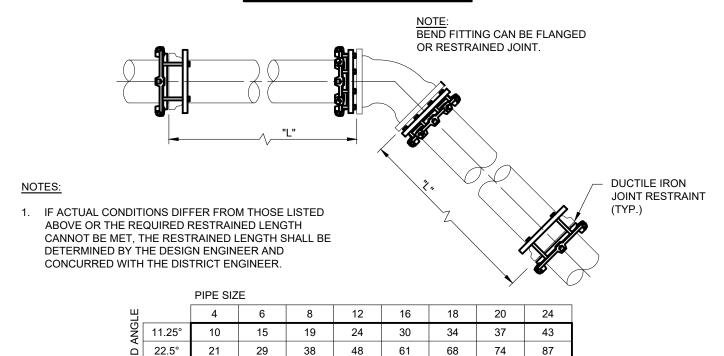


PIPE SIZE

		4	6	8	12	16	18	20	24
BEND ANGLE	11.25°	3	5	6	7	9	10	11	13
	22.5°	7	9	12	15	19	21	23	26
	45°	14	19	25	31	39	43	47	54
	90°	33	46	59	74	94	104	113	131

RESTRAINED LENGTHS "L" IN FEET (SEE NOTE 1 FOR LIMITS ON USE)

HORIZONTAL BEND



RESTRAINED LENGTHS "L" IN FEET (SEE NOTE 1 FOR LIMITS ON USE)

79

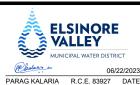
VERTICAL BEND

100

128

142

REVISION	BY	APPR	DATE



STANDARD RESTRAINT FOR DUCTILE IRON AND PVC PIPE

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STD. DWG. NO.

W-4B