

ORDINANCE NO. 398

AN ORDINANCE OF THE CITY OF ABILENE, TEXAS, AMENDING SECTIONS 18-27 AND 18-28 OF THE ABILENE CITY CODE; PROVIDING FOR CERTAIN REQUIREMENTS IN CONNECTION WITH THE SUPPLY OF NATURAL GAS; PROVIDING FOR A PENALTY, AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

PART 1: Section 18-27 of the Abilene City Code is hereby amended by deleting the third sentence of Subsection (d) of said Section 18-27.

PART 2: Section 18-27 of the Abilene City Code is hereby further amended by adding the following thereto, to be known as Subsection (e):

"All underground pipe shall be equipped with a properly installed anode, or anodes, the size of which shall be determined from the following table: :

SIZING OF ANODE

Pipe Size	1 lb.	9 lb.	17 lb.	32 lb.
1½"	100' or less	100' to 180'	180' to 330'	330' to 660'
2"		0' to 125'	125' to 230'	230' to 460'
3"		0' to 85'	85' to 160'	160' to 320'
4"		0' to 65'	65' to 125'	125' to 250'
6"		0' to 45'	45' to 85'	85' to 170'
8"			40' to 65'	65' to 130'
10"			40' to 50'	50' to 100'

PART 3: Section 18-28 of the Abilene City Code is hereby amended by amending the first paragraph of Subsection (e) of said Section 18-28 to read as follows:

"Yard lines. All yard lines, regardless of pressure, shall be at least one and one-fourth inch pipe. Pipe from the curb or property line to the building shall be sized according to the table in this subsection when service is from low pressure mains and regardless of meter location. If a building served from a low pressure line has more than fifteen outlets or if the maximum estimated gas requirement exceeds seven hundred cubic feet per hour, the yard line shall be at least two inches in size regardless of the meter location."

PART 4: Section 18-28 of the Abilene City Code is hereby further amended by adding the following provisions to Subsection (e) of said Section 18-28:

"If an intermediate pressure yard line is used to serve a residence, or residences, a regulator, capable of reducing pressure within the building served to not more than six (6) ounces pressure, shall be installed. In order to determine the required minimum size of intermediate pressure yard lines, the maximum estimated gas requirement in cubic feet per hour shall be determined, in accordance with standard procedures for calculating same, and the pipe size shall be not less than that specified in the following tables for the applicable pressures, pipe length, and required cubic feet per hour."

PIPE SIZING TABLE FOR 5 LB. PRESSURE

Pipe Size of Schedule 40 Standard Pipe (Inches)	Total Equiv. Length of Pipe in Feet									
	50	100	150	200	300	400	500	1000	1500	2000
1 1/4	3,870	2,740	2,240	1,930	1,580	1,370	1,220	860	700	610
1 1/2	5,860	4,140	3,390	2,930	2,390	2,080	1,850	1,310	1,060	930
2	11,420	8,070	6,600	5,710	4,660	4,050	3,610	2,550	2,080	1,810
2 1/2	18,400	13,010	10,640	9,200	7,510	6,530	5,820	4,110	3,350	2,920
3	32,860	23,240	19,000	16,430	13,410	11,660	10,390	7,340	5,990	5,220
3 1/2	46,480	34,280	28,030	24,240	19,780	17,200	15,330	10,820	8,840	7,690
4	67,700	47,880	39,140	33,850	27,630	24,020	21,410	15,120	12,340	10,750
5	123,790	87,540	71,570	61,890	50,530	43,920	39,160	27,640	22,570	19,660
6	202,138	142,950	116,870	101,060	82,500	71,720	63,940	45,140	36,860	32,100

PIPE SIZING TABLE FOR 10 LB. PRESSURE

Pipe Size of Schedule 40 Standard Pipe (Inches)	Total Equiv. Length of Pipe in Feet									
	50	100	150	200	300	400	500	1000	1500	2000
1-1/4	6,090	4,330	3,520	3,050	2,490	2,150	1,920	1,360	1,110	960
1-1/2	9,210	6,530	5,330	4,620	3,760	3,260	2,910	2,060	1,680	1,460
2	17,940	12,720	10,380	9,000	7,330	6,360	5,680	4,020	3,280	2,840
2-1/2	28,920	20,500	16,730	14,510	11,820	10,250	9,150	6,480	5,290	4,580
3	51,650	36,610	29,880	25,920	21,110	18,300	16,340	11,570	9,450	8,190
3-1/2	76,180	53,990	44,070	38,240	31,140	26,990	24,110	17,070	13,950	12,080
4	106,400	75,410	61,550	53,410	43,500	37,700	33,670	23,850	19,480	16,870
5	194,540	137,890	112,550	97,650	79,540	68,940	61,570	43,600	35,620	30,860
6	317,650	225,150	183,770	159,450	129,870	112,560	100,540	71,200	58,160	50,390

PIPE SIZING TABLE FOR 20 LB. PRESSURE

Pipe Size of Schedule 40 Standard Pipe (Inches)	Total Equiv. Length of Pipe In Feet									
	50	100	150	200	300	400	500	1000	1500	2000
1-1/4	10,190	7,210	5,840	5,090	4,160	3,600	3,220	2,230	1,860	1,610
1-1/2	15,420	10,900	8,830	7,710	6,290	5,450	4,870	3,370	2,810	2,440
2	30,030	21,230	17,190	15,010	12,260	10,610	9,490	6,570	5,480	4,760
2-1/2	48,390	34,220	27,710	24,190	19,750	17,110	15,290	10,590	8,830	7,670
3	86,420	61,110	49,490	43,190	35,280	30,550	27,310	18,910	15,770	13,690
3-1/2	127,480	90,130	73,000	63,710	52,040	45,070	40,280	27,900	23,270	20,200
4	178,040	125,880	101,950	88,980	72,680	62,940	56,260	38,960	32,500	28,210
5	325,530	230,170	186,410	162,700	132,890	115,080	102,870	71,240	59,420	51,590
6	531,530	375,820	304,370	265,660	216,990	187,910	167,980	116,330	97,030	84,240

PART 5: That any person, firm or corporation violating any of the provisions of this Chapter shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall be punished by a fine of not more than Two Hundred Dollars (\$200.00). Each such violation, which shall continue, or be permitted to continue, shall be deemed a separate offense.

PART 6: That the City Council hereby finds that an emergency exists requiring suspension of the rule provided in Section 18 of the City Charter, requiring ordinances to be read on two separate days, in that the immediate passage of said ordinance is necessary for the preservation of the public peace, safety and welfare, and said rule is hereby suspended, and this ordinance shall take effect and be in force from and after its passage.

26TH
PASSED this 12th day of September, A. D., 1968.

ATTEST:

She Fern Martin
CITY SECRETARY

Ray J. Baker
MAYOR Pro Tempore

APPROVED:

Tom R. Burt
CITY ATTORNEY