

LINE AS SHOWNDESIGN AS NOTED

HYDRAULIC DESIGN DATA SHEET

LINE NO.	NUMBER OF CUSTOMERS	STATION	TO STATION	PIPE DIA. INCHES	FLOW G. P. M.	HEAD LOSS FT. /1000	TOTAL LOSS FOR REACH	ELEVATIONS AT 2ND STATION MAX.	MIN.	GR.	PRESSURE AT 2ND STA. MAX., PSI	MIN., PSI
MASTER METER TO BOOSTER, AVERAGE FLOW (1)												
1			0					1105.00	987.63	860.00	106.1	55.3
	52	0	400	10.0	516	1.823	0.73		986.90	850.00	110.4	59.3
	52	400	800		516	1.823	0.73		986.17	860.00	106.1	54.6
	52	800	2400		516	1.823	2.92		983.25	869.00	102.2	49.5
	26	2400	3000		508	1.771	1.06		982.19	860.00	106.1	52.9
	21	3000	3100		506	1.758	0.18		982.01	850.00	110.4	57.1
	21	3100	3200				0.18		981.83	860.00	106.1	52.7
	21	3200	3400				0.35		981.48	870.00	101.7	48.3
	21	3400	5200						978.32	882.00	96.5	41.7
	16	5200	7800		505	1.752	4.56		973.76	890.00	93.1	36.3
	11	7800	9600		503	1.739	3.13		970.63	902.00	87.9	29.7
	0	9600	10100		500	1.720	0.86		969.77	890.00	93.1	34.5
	0	10100	10200	10.0	500	1.720	0.17	1105.00	969.60	900.00	88.7	30.1
MASTER METER TO BOOSTER, PEAK FLOW (2)												
1			0					1105.00	987.63	850.00	110.4	59.6
	52	0	400	10.0	58	.032	0.01		987.62	860.00	106.1	55.2
	52	400	2400		58	.032	0.06		987.56	868.00	102.2	51.3
	26	2400	3000		48	.017	0.01		987.55	860.00	106.1	55.2
	21	3000	3100		42	.013	0.00		987.55	850.00	110.4	59.5
	21	3100	3200		42	.013	0.00		987.55	860.00	106.1	55.2
	21	3200	3400		42	.013	0.00		987.55	870.00	101.7	50.9
	21	3400	5200		42	.013	0.02		987.53	882.00	96.5	45.7
	16	5200	7800		37	.011	0.03		987.50	890.00	93.1	42.2
	11	7800	9600		30	.007	0.01		987.49	902.00	87.9	37.0
	0	9600	10100		30	.007	0.00		987.49	890.00	93.1	42.2
	0	10100	10200	10.0	30	.007	0.00	1105.00	987.49	900.00	88.7	37.9
PEAK FLOW												
11			0					1105.00	983.25	869.00	102.2	49.5
	4	0	1000	2.0	23	7.876	7.876	1105.00	975.37	910.10	84.4	28.3
PEAK FLOW												
12			0					1105.00	970.63	902.00	87.9	29.7
	6	0	1400	3.0	26	1.498	2.01	1105.00	968.62	920.00	58.8	21.0

CONNECTION TO OSGOOD

MASTER METER
LINE 11

LINE 12

BOOSTER STATION

MASTER METER
LINE 11

LINE 12

BOOSTER STATION

LINE 1, STA. 24+00

LINE 1, STA. 96+00

AVERAGE FLOW (1)

BOOSTER STATION @ 500 GPM + .3 GPM x
52 DESIGN = 16 GPM = 516 GPM TOTAL

PEAK FLOW (2)

33 EXISTING HOMES FROM MASTER METER TO
BOOSTER STATION
33 x 80% = 26 + 100% GROWTH = 52 DESIGN

 CONSULTING ENGINEERS, ARCHITECTS, PLANNERS Columbus, Indiana Madison, Indiana Delaware, Ohio	JOB	6140
	SHEET NO.	71 OF 89
	SCALE	N/A
	DATE	11-5-79
	DRAWN	W.D.J.
	CHECKED	David Jett
APPROVED		
CERTIFIED		
ELROD WATER COMPANY, INC. RIPLEY COUNTY, INDIANA SYSTEM IMPROV. - DIVISION A HYDRAULIC DESIGN DATA		