LINE	AS SHOWN		DESIGN AS NOTED				HYDRAULIC DESIGN DATA SHEET						
LINE NO.	NUMBER OF CUSTOMERS	STATION	TO STATION	PIPE DIA.	FLOW G. P. M.	HEAD LOSS FT. /1000	TOTAL LOSS	ELEVATIONS MAX.	AT 2 ND MIN.	STATION GR.		AT 2ND STA.	
	BOOSTER TO	TANK, F	PEAKING BACK	FROM TANK	TO 80	OSTER							
			39600					1160.00	1150.00	965.00	84.4	80.1	NEW 100 M GAL TANK
	496	39600	39000	8.0	248	1.09	0.65	1160.00	1149.35	980.00	77.9	73.3	LINE 14 & 15
	405	39000	36600	8.0	203	0.75	1.80	1160.00	1147. 55	1000.00	69.3	63.9	
	395	36600	33800	8.0	198	0.72	20.2	1160,00	1145,53	990,00	73.6	67.3	
	392	33800	32600	8.0	196	0.71	0.85	1160.00	1144.68	995.00	71.4	61.3	
	389	32600	31000	8.0	195	0.70		1160,00	1143.56	988.00	74.5	74.8	
	382	31000	30000	8.0	191	0.67	0.67	1160.00	1142.89	990.00		65.5	
	388	30000	27600	8.0	191	0.67	1.60	1160.00	1141.89	1000.00		1000	
	376	27600	25000	8.0	188	0.65	1.69	1160,00	1138,16	1010.00	64.9	55.5	LIVE 2
	360	25000	51000	8.0	180	0.057	0.09	1160.00	1138.07	1000,00	69.3	59.8	
	133	21000	18400	10.0	78	0.057	0.15	160.00	1137,92	950.00		81.4	
	118	18400	18900	10.0	74	0.05	0.13	1160,00	1137,79	958.00		77.8	
	112	15800	13000	10.0	73	0.05	0.14	1160,00	1137.65	930,00		89.9	LINE 13
	30	13000	10200	10.0	50	0.24	0.07	1160.00	1137.58	900.00		102.8	BOOSTER STATION
	BOOSTER TO	TANK, A	VERAGE FLOW										
1			10200					1206, 18	1206,18	900.00	132.5	132.5	BOOSTER STATION
	765 765	10200	15800	10.0	500	1.72	4.82	1201,36	1201,36	930.00	117.5	117.5	LINE 13
	765	13000	15800	10.0		1.72		1196.54	1196.54	958.00	103.3	103.3	
	765	15800	18400	10.0	500	1.72	4.47	1192.07	1192.07	950.00		81.2	
	765	18400	21000	10.0	500	1.72	4.47	1187.60	1187.60	1000.00		THE R. P. LEWIS CO., LANSING, S. LEWIS CO., L	I II E
	765	21000	55,00	10.0	500	1,72	2.75	1184.85	1184.85	1010.00	75.7	75.7	TIME S
	765	55,000	25000	10.0	290	1.461	3,51	1181.34	1181.34	1000.00	78.5	78.5	
	765	25000	27600	8.0	290	1.461	3.80	1177.59	1177.54	990,00		81.2	
	765	27600	30000	8.0	290	1461	3.51	1174.03	1174.03	970,00	88.3	88.3	
	765	30000	31000	8.0	290	1,461	1.96	1172,57	1172,57	988.00	79.9	79.9	
	765	31000	32660	8.0	290	1961	2.34	1170.23	11/0,09	990.00	77.3	77.3	
	765	32600	33800	8.0	290	1.961	4.09	1168.48	1168.48	1000.00	71.2	71.2	
	765	36600	39000	8.0	290	1.461	3.51	1169.39	1160.88	980,00	78.3	78.3	LINE 19 \$ 15
	765	39,000	39600	10.0	290	1,461	0.88	1160.00	1160.00	965.00	71.2 78.3 84.4	71.2 78.3 84.9	NEW 100 M GAL TANK
			1										
										-	1		
					A	VERAGE FLO	V						

HYDRAULIC DESIGN DATA SHEET

PEAK FLOW

310 EXIST. HOMES FROM NEW TANK BACK TO BOOSTER STATION ALONG NEW ROUTES INCLUDING THE MILAN RAW WATER MAIN TO BE CONVERTED TO A FINISHED WATER MAIN. 310 x 80% + 100% GROWTH = 496 DESIGN.

496 DESIGN = 248 GPM

NEW 100M GAL. TANK SERVICE AREA = 478 EXIST. HOMES 478 x 80% + 100% GROWTH = 765 TOTAL DESIGN ALONG NEW ROUTES INCLUDING THE MILAN RAW WATER MAIN TO BE CONVERTED TO FINISHED WATER MAIN. 765 DESIGN x .22 GPM/DESIGN = 190 GPM/FLOW TO NEW TANK ALLOWANCE FOR MILAN STORAGE = 200 GPM/100 GPM TO NEW TANK ALLOWANCE FOR EXIST. ELROD STORAGE = 110 GPM

TOTAL FLOW AVERAGE = 500 GPM

	J08	61140							
	SHEET NO	72 OF 89							
The Name of Street	SCALE	N/A							
sleco, inc.	DATE	9.86-80							
	DRAWN	DW							
CONSULTING ENGINEERS. ARCHITECTS, PLANNERS	CHECKED	MOJ							
Columbus, Indiana Madison, Indiana	APPROVED	K-Parker Street							
Delaware, Ohio	CERTIFIED								
ELROD WATER CO. , INC.									
RIPLEY COUNTY, INDIANA									
SYSTEM IM	PROVE	- DIVISION A							

HYDRAULIC DESIGN DATA