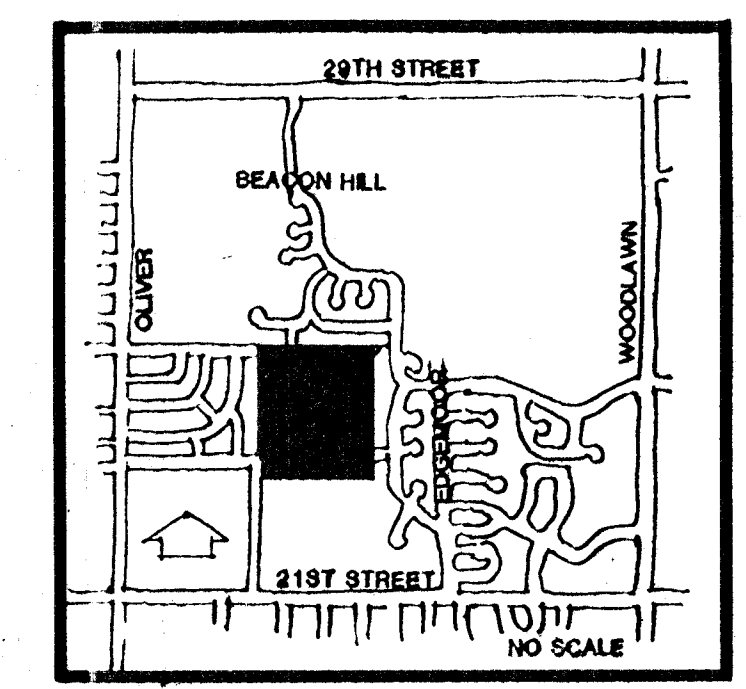


Beacon Village Drainage Area	AREA ACRES	AREA ACCUM.	C <sub>2</sub>	C <sub>100</sub>	T <sub>2</sub> (Hr)	T <sub>2</sub> (1/4 Hr)	T <sub>100</sub> (Hr)	Q <sub>2</sub> (CFS)	Q <sub>100</sub> (CFS)	Pipe Size	Pipe Slope	Inlets
AREA "I"	2.11		0.48	0.62	17	15	3.61	7.37	3.7	9.6	15" RCP	11(11)-10'
AREA "II"	1.31		0.60	0.72	19	15	3.42	7.37	2.7	7.0		11(11)-10'
Sub Total	3.42		0.53	0.66	19	15	3.42	7.37	6.2	16.6	18" RCP	0.506
AREA "III"	0.88		0.60	0.72	17	15	3.61	7.37	1.9	4.7		11(11)-10'
Sub Total	4.30		0.54	0.67	19	15	3.42	7.37	7.9	21.2	18" RCP	0.506
AREA "IV"	1.44		0.60	0.72	23	18	3.10	6.84	2.7	7.1	15" RCP	0.306
AREA "V"	0.40		0.60	0.72	15	15	3.83	7.37	0.9	2.1		11(11)-10'
Sub Total	0.82		0.46	0.51	25	19	2.96	6.68	1.1	3.3		Area Inlet
Sub Total	6.96		0.55	0.65	26	20	3.00	6.53	11.1	30.9	21" RCP	0.608
AREA "VII"	0.86		0.60	0.72	18	15	3.51	7.37	1.8	4.6		Supp. Later
AREA "VIII"	1.02		0.60	0.72	20	15	3.33	7.37	2.0	5.4		Supp. Later
AREA "IX"	2.27		0.60	0.72	24	18	3.03	6.84	4.1	11.2	15" RCP	0.506
AREA "X"	2.17		0.57	0.69	20	18	3.33	7.18	4.1	10.8		11(11)-10'
Sub Total	4.44		0.59	0.71	24	18	3.03	6.84	7.9	21.6	18" RCP	0.608
AREA "XI"	0.56		0.60	0.72	16	15	3.72	7.37	1.2	3.0	15" RCP	0.506
Sub Total	1.80		0.60	0.72	18	15	3.51	7.37	3.8	9.6		11(11)-10'
Sub Total	6.90		0.59	0.71	25	19	2.96	6.68	11.9	32.3	24" RCP	0.506
AREA "XII"	1.71		0.60	0.72	28	22	2.78	6.26	2.9	7.7		11(11)-10'
AREA "XIII"	1.71		0.60	0.72	27	21	2.84	6.39	2.9	7.9	15" RCP	0.506
Sub Total	3.42		0.60	0.72	28	22	2.78	6.26	5.7	15.4	18" RCP	0.506
AREA "XIV"	0.40		0.60	0.72	15	15	3.83	7.37	0.9	2.1	15" RCP	0.506
AREA "XV"	1.72		0.57	0.69	21	17	3.25	7.00	3.2	8.3		11(11)-10'
Sub Total	5.54		0.59	0.71	29	23	2.72	6.13	9.8	24.1	21" RCP	0.506
AREA "XVI"	4.21		0.48	0.62	25	19	2.96	6.68	6.0	17.4		11(11)-10'
AREA "XVII"	2.16		0.57	0.69	15	15	3.83	7.37	4.7	11.0		11(11)-10'
Sub Total	11.91		0.55	0.67	30	24	2.87	6.01	17.5	48.0	27" RCP	0.506
AREA "XVIII"	2.46		0.46	0.51	36	28	2.39	5.59	2.7	8.4		11(11)-10'
(AREA "VIII" +)	(2.30)	(0.60)	(0.72)					2.0	5.4			
Sub Total	4.76		0.53	0.65	36	28	2.39	5.59	6.0	17.6	27" RCP	0.40%
(By-Pass)												Supp.
AREA "XX"	1.18		0.60	0.72	20	15	3.33	7.37	2.4	6.3		11(11)-10'
(AREA "VII" +)	(6.54)							1.8	4.6			Supp.
Sub Total	7.72		0.55	0.68	20	15	3.51	7.37	14.9	38.7	21(11)-10'	Supp.
(By-Pass)												Supp.
Total	12.48		0.54	0.67	36	28	2.39	5.59	16.1	46.7	26" RCP	0.506
AREA "XXI"	1.27		0.57	0.69	22	17	3.17	7.00	2.3	6.1	15" RCP	0.506
AREA "XXII"	3.42		0.54	0.67	27	21	2.84	6.39	5.2	14.6		11(11)-10'
Sub Total	4.69		0.55	0.68	27	21	2.84	6.39	7.3	20.4	21" RCP	0.506
AREA "XXIII"	1.91		0.57	0.69	18	15	3.72	7.37	4.1	9.7		11(11)-10'



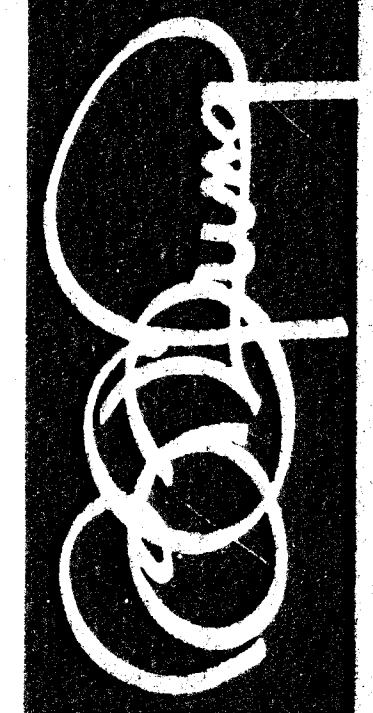
SCALE: 1"=100'

DRAINAGE & UTILITY PLAN

# BEACON VILLAGE

OWNER: LEEWOOD HOMES INC. 6130 LEGION, WICHITA, KANSAS

WATER - Phases I, II & III



**BILL G. YUNG DESIGN**  
4912 E. 23TH STREET NORTH, WICHITA, KS 67220  
316-855-5667

date FEB. 28, 1998  
rev.

sheet title  
PRELIMINARY PLAN

project  
BEACON VILLAGE