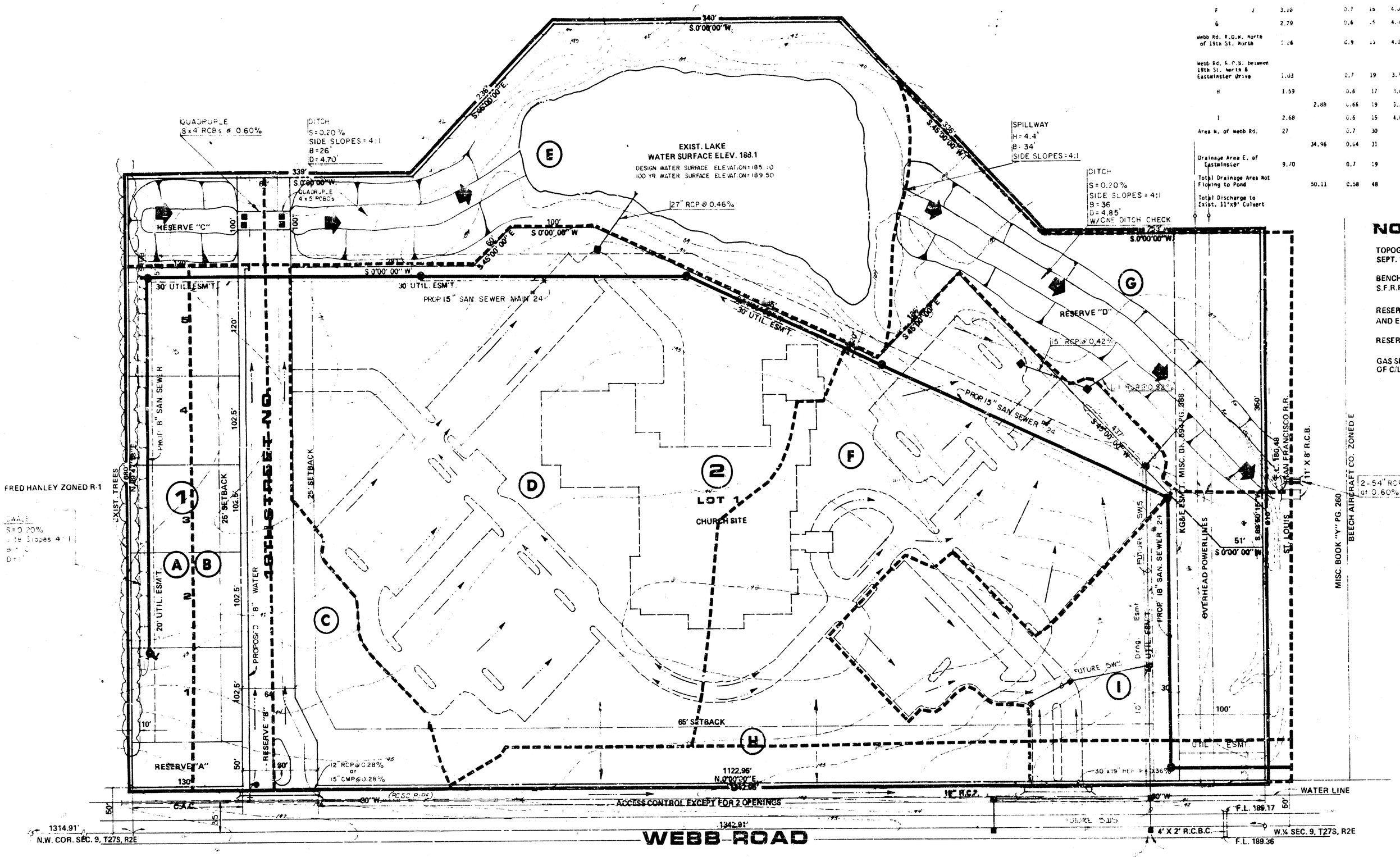
EASTMINSTER ADDITION
(Drainage)

EASTMINSTER
ZONED R-1



EASTMINSTER	AREA (acres)	AREA ACCUM.	C	T_c (min)	I_2 (in/hr)	I_5 (in/hr)	I_{100} (in/hr)	Q_2 (cfs)	Q_5 (cfs)	Q_{100} (cfs)	PIPE SIZE	PIPE SLOPE	INLETS
A	0.91		0.6	22	3.49	4.49	7.74	1.9	2.5	4.2			
B	1.30		0.6	20	3.63	4.66	8.03	[illegible]	3.6	6.3			[illegible]
C	1.06		0.6	20	3.63	4.66	8.03	[illegible]	3.0	5.1			[illegible]
Drainage Area North of Eastminster	179		0.61	33			6.30			692.2	[illegible]		
		182.27	0.61	33			6.30			705.0			
D	5.78		0.7	15	4.06	5.21	8.98	[illegible]	[illegible]	36.1	[illegible]	[illegible]	4'x4' Area
E	4.14		0.6	15	4.06	5.21	[illegible]		[illegible]				
		191.5	0.61	34			6.16			[illegible]			
Max. Discharge from Pond @ 100 Yr. Water Sur. Elev.										1,187.4			
F	3.10		0.7	15	4.06	5.21	8.98	[illegible]	21.5	49.9	[illegible]	[illegible]	4'x4' Area
G	2.79		0.6	15	4.06	5.21	8.98	[illegible]	[illegible]	[illegible]			
Webb Rd. R.O.W. North of 19th St. North	2.24		0.9	15	4.06	5.21	8.98	[illegible]	[illegible]	[illegible]	[illegible] 15"CMP	[illegible]	
Webb Rd. R.O.W. between 19th St. North & Eastminster Drive	1.03		0.7	19	3.70	4.76	8.19	[illegible]	3.4	5.9			
H	1.59		0.6	17	3.86	4.97	8.55	[illegible]	4.7	8.2			
		2.68	0.66	19	3.70	4.76	8.19	[illegible]	[illegible]	15.6	[illegible]	[illegible]	0.40%
I	2.68		0.6	15	4.06	5.21	8.98	[illegible]	8.4	14.4			
Area N. of Webb Rd.	27		0.7	30			6.79			91.7			
		34.96	0.64	31			6.62			129.6			
Drainage Area E. of Eastminster	9.70		0.7	19			8.19			55.1			
Total Drainage Area Not Flowing to Pond		50.11	0.58	48			4.70			137.23			
Total Discharge to Exist. 11'x8' Culvert										1175.6			

NOTES

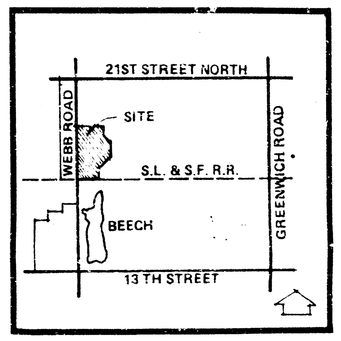
TOPOGRAPHIC SURVEY PREPARED BY MOEHRING & ASSOC. SEPT. 17, 1989

BENCH MARK: CITY STD. DISC. N.E. COR. R.C.B.C. 80' N. OF S.L. & S.F.R.R. NEAR THE W. ¼ COR. OF SEC. 9. ELEV. 193.15. CITY DATUM

RESERVES "A" & "B" ARE FOR UTILITIES, DRAINAGE, LANDSCAPING AND ENTRY MONUMENTS.

RESERVE "C" & D" FOR DRAINAGE', UTIL. AND LANDSCAPING

GAS SERVICE-8" LINE DEAD ENDS 42' S. OF 21ST ST. NO. & 35' W. OF C/L OF WEBB ROAD.



LOCATION MAP

This storm system depicts a possible solution to draining webb Road and land west of webb Road at some time in the future when the City adds it to the Capital Improvement Project Program.

DRAINAGE & UTILITY PLAN

EASTMINSTER

OWNER: EASTMINSTER UNITED PRESBYTERIAN CHURCH, 7202 E. 9TH, WICHITA, KANSAS

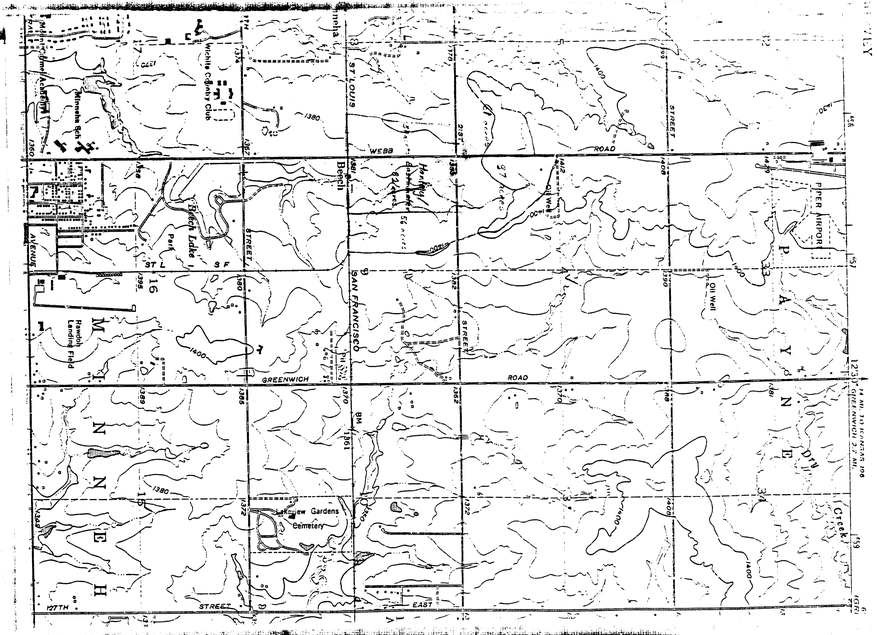
N E S W

SCALE: 1" = 60'

BILL G. YUNG DESIGN
8225 E. 35TH ST. NORTH, WICHITA, KS. 67226 316 683 5567

date 12/20/89
rev. JAN 3 1990

sheet title
PRELIMINARY PLAT

project
EASTMINSTER

EASTMINSTER ADDITION
(Drainage)