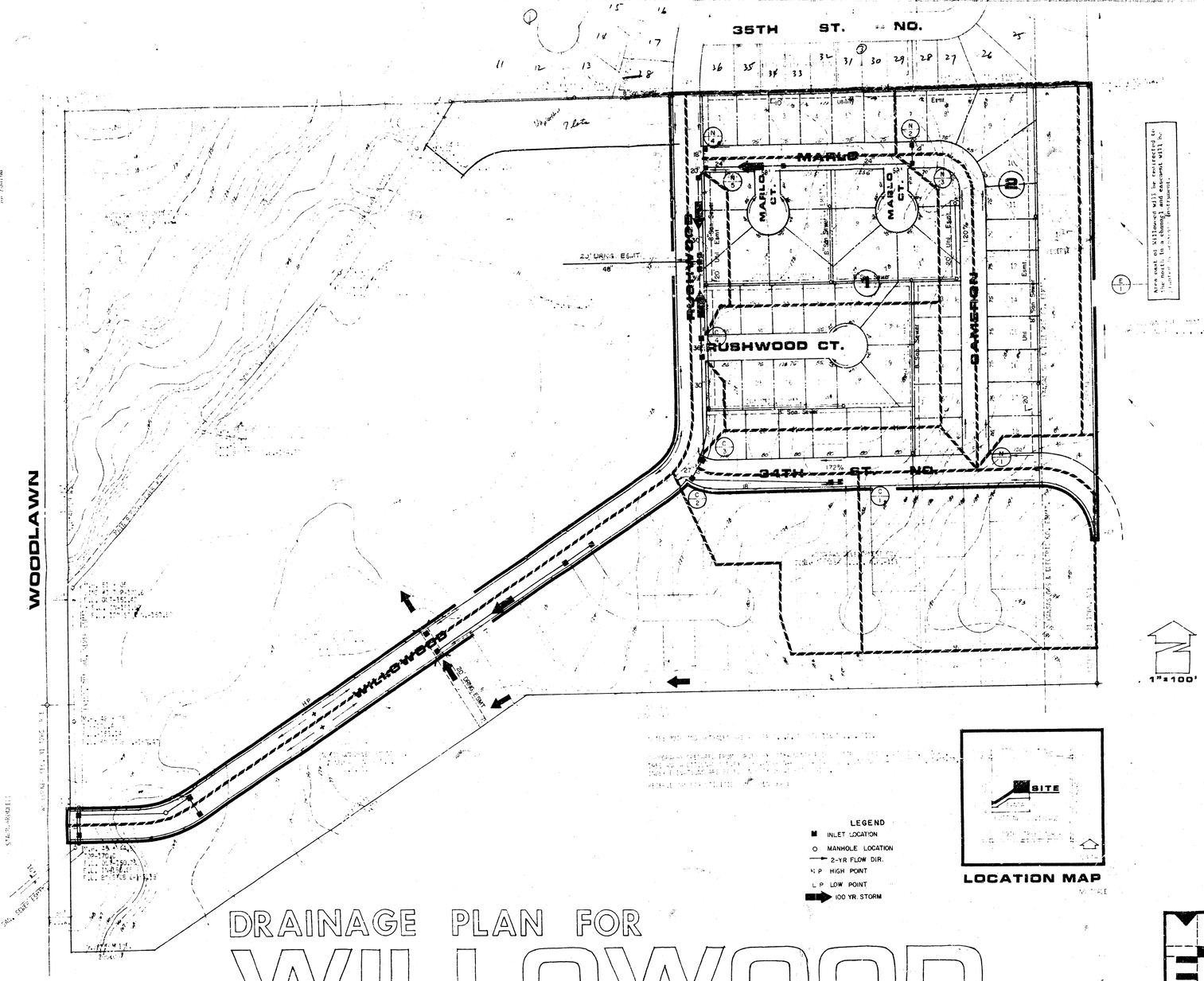

DRAINAGE PLAN FOR WILLOWOOD

MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561

WILLOWOOD
(DRAINAGE)

LETTER OF TRANSMITTAL

MID-KANSAS ENGINEERING CONSULTANTS
240 NORTH ROCK ROAD SUITE 130
WICHITA, KANSAS 67206

PROJECT: Willowood
DATE: 1-3-84
JOB NO:

TO: Mr. Chris Breitenstein
Drainage & Flood Control Engineer
455 North Main - 7th Floor
Wichita, Kansas 67202

We are sending you the following items ☒ attached ☐ under separate cover via

☒ PRINTS ☐ SPECIFICATIONS ☐ LEGAL DESCRIPTIONS ☐ TRACINGS
☐ PETITIONS ☐ CORRESPONDENCE ☐ OTHER

These are transmitted as checked below.

☐ FOR YOUR APPROVAL ☒ FOR YOUR USE ☐ APPROVED AS NOTED
☐ AS REQUESTED ☐ FOR YOUR FILES ☐ FOR REVIEW AND COMMENT
☐ OTHER

REMARKS: Transmitted herewith is the final drainage plan.

COPIES TO:

Signed: Michael D. Harding
Michael D. Harding, P.E.

Willowood - Phase I	Area	Area Accum	C	T_c	L_2	L_{100}	Q_2 (cfs)	Q_{100}	Proj. Pt. Slope	Pipe Size/ Class	Inlet
N 1	0.9		0.5	15	4.06	8.98	1.8	4.0	1.2%		
N 2	5.1		0.5								
		6.0	0.5	20	3.63	8.03	10.9	24.1		21" @ 0.4%	286'
N 3	1.3		0.6	18	3.78	8.37	2.9	6.5			
		7.3	0.52	20	3.63	8.03	13.8	30.5		24" @ 0.4%	185'
N 4	1.5		0.5	15	4.06	8.98	3.0	6.7		18"	185'
N 5	3.8		0.5	18	3.78	8.37	7.2	15.9			286'
		12.6	0.51	22	3.49	7.74	22.4	49.7		30" @ 0.22%	
C 1	5.0		0.5	18	3.78	8.37	9.4	20.9		18" @ 0.8%	286'
C 2	2.7		0.5	18	3.78	8.37					
		7.7	0.5	20	3.63	8.03	14.0	30.9		27" @ 0.4%	286'
C 3	1.4		0.6	15	4.06	8.98					
		9.1	0.52	20	3.63	8.03	17.0	28.0		30" @ 0.22%	285'
C 4	3.4		0.5	18	3.78	8.37					
		12.5	0.51	22	3.49	8.03	22.0	51.2		36" @ 0.22%	285'

S 1 Contour set by 100 yr. Discharge from Fairfield 200 cfs. 2-25'x8'