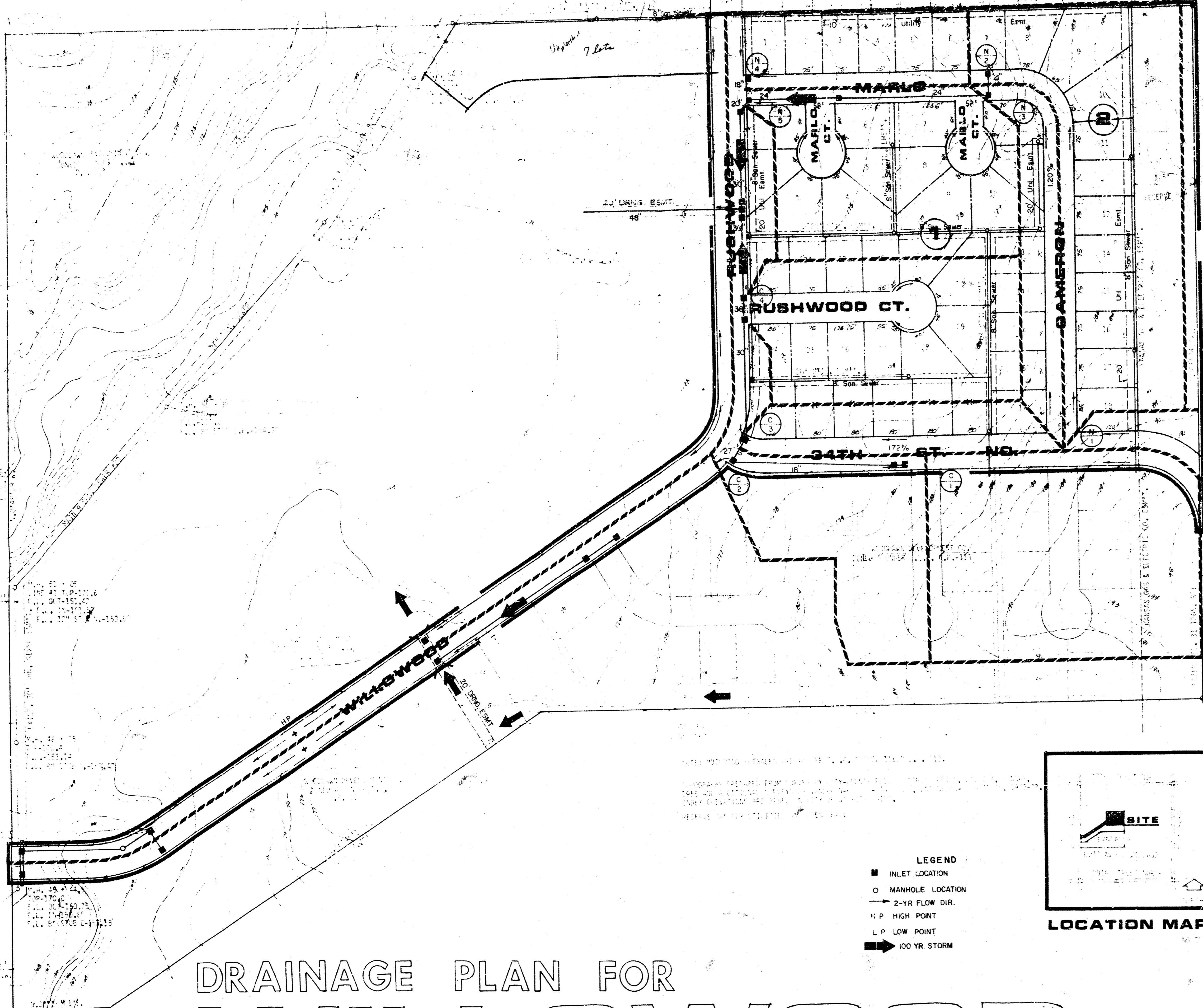
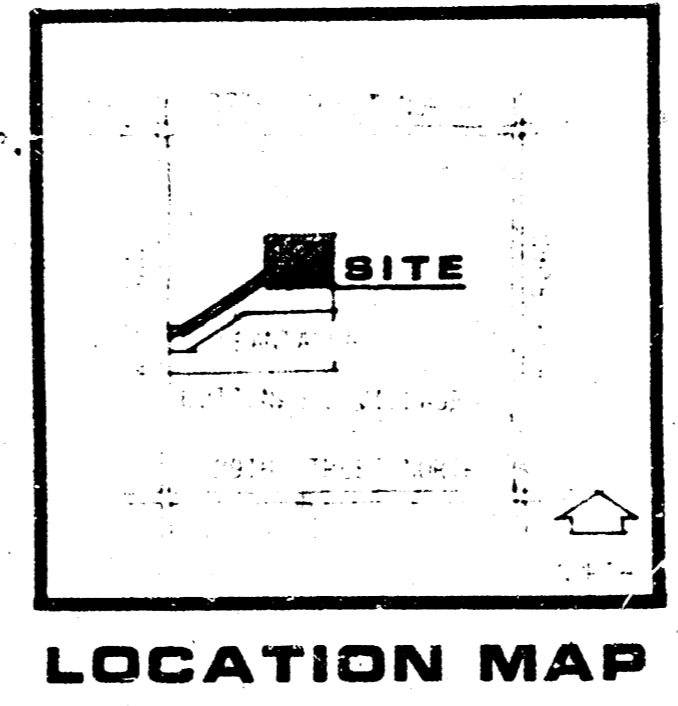
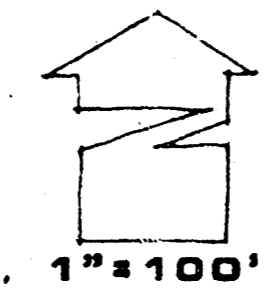


CITY OF WICHITA  
UNINCORPORATED - 1984  
100' PER SECTION

WOODLAWN



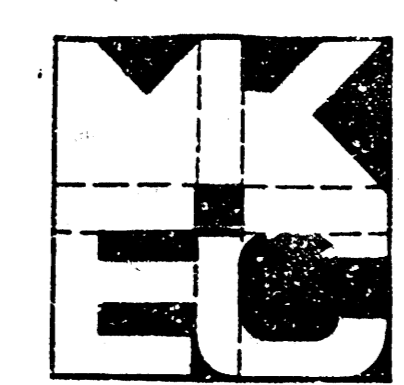
Area west of Willowood will be restricted to the extent of a change and easement will be provided for the same.



- LEGEND**
- INLET LOCATION
  - MANHOLE LOCATION
  - 2-YR FLOW DIR.
  - ∇ P HIGH POINT
  - ∇ L.P. LOW POINT
  - 100 YR. STORM

# DRAINAGE PLAN FOR WILLOWOOD

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



## LETTER OF TRANSMITTAL

PROJECT: Willowood DATE: 1-3-84  
JOB NO: \_\_\_\_\_  
TO: Mr. Chris Brettenstein  
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.

Station	Willowood - Phase I	Area	Area Accum.	C	T <sub>c</sub>	V <sub>s</sub>	Q <sub>100</sub>	Q <sub>2</sub> (cfs.)	Q <sub>100</sub>	Peak Slope	Pipe Size / Slope	INVERT	
1	N 1	.09		0.5	15	4.06	8.98	1.8	4.0	1.0%			
2	N 2	.51		0.5	20	3.65	8.05	10.9	24.1	2" @ 0.4%	28.6'		
3	N 3	.13	6.0	0.6	18	3.78	8.37	2.9	6.5				
4	N 4	.15	7.3	0.52	20	3.65	8.05	13.8	30.5	2" @ 0.4%	18.5'		
5	N 5	.38	12.6	0.5	18	3.78	8.37	3.0	6.7	1.8"	18.5'		
6	N 5	.38	12.6	0.51	22	3.78	8.37	7.2	15.9	30" @ 0.25%	28.6'		
7	N 5	.38	12.6	0.51	22	3.78	8.37	7.76	16.4				
8	C 1	.50		0.5	18	3.78	8.37	9.4	20.9	10" @ 0.8%	28.6'		
9	C 2	.27	7.7	0.5	18	3.78	8.37	14.0	30.9	27" @ 0.4%	28.6'		
10	C 3	.14	7.7	0.6	15	4.06	8.98						
11	C 3	.14	9.1	0.52	20	3.65	8.05	17.2	38.0	30" @ 0.25%	28.5'		
12	C 4	.34	12.5	0.5	18	3.78	8.37						
13	C 4	.34	12.5	0.51	22	3.78	8.37	22.2	51.2	36" @ 0.25%	28.5'		
14	S 1	CATCH BASIN BY 100 YR DRAINAGE FROM FUTURE DEVELOPMENT 2'-2.5' X 2'											