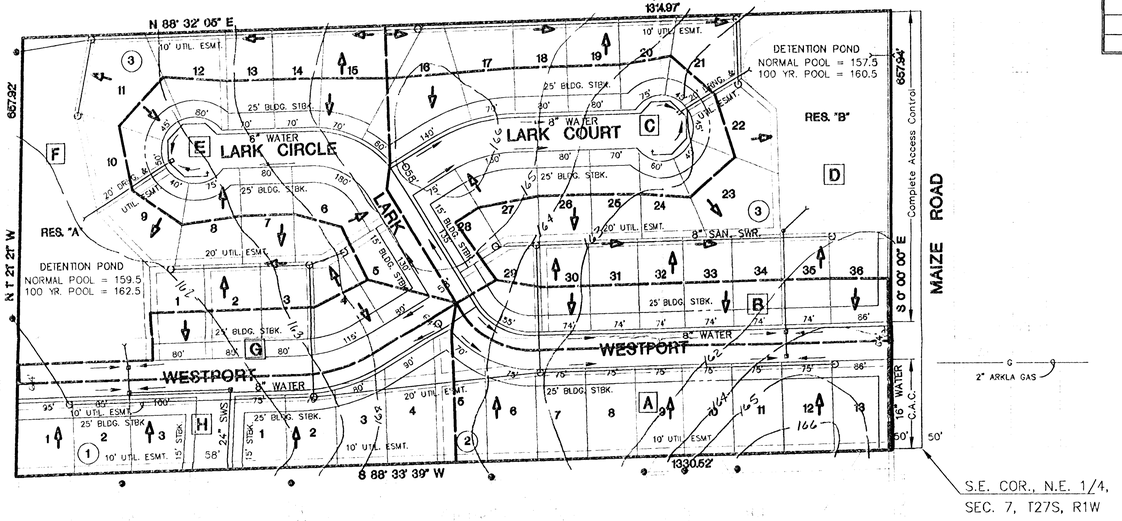

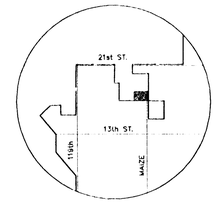

LOCATION MAP

N
W E
S

SCALE: 1" = 100'

ARMOUR WOODS

Drainage Area	Area (Acres)	Accum. Area	C_5	C_{100}	Tc 2	Tc 100	I_5 (IN/HR)	I_{100} (IN/HR)	Q_5 (CFS)	Q_{100} (CFS)	Pipe Size	Pipe Slope	Inlets
A	2.66	--	0.56	0.71	29	21	2.72	6.39	4.05	12.07	15" RCP	@0.40%	I_{10}=5-ft.
B	1.42	--	0.56	0.71	25	18	2.96	6.84	2.35	6.90	--	--	I_{10}=5-ft.
Σ A,B	--	4.08	0.56	0.71	29	21	2.72	6.39	6.21	18.51	18" RCP	@0.35%	--
C	2.53	--	0.60	0.74	30	21	2.67	6.39	4.05	11.96	15" RCP	@0.40%	I_{10}=5-ft.
D	4.42	--	0.52	0.68	20	15	3.33	7.37	7.65	22.15	--	--	--
Σ A,B,C,D	--	11.04	0.54	0.70	28	20	2.78	6.53	16.57	50.46	30" RCP	@0.16%	AREA INLET L=6'-0",W=5'6"
E	2.17	--	0.60	0.74	29	21	2.72	6.39	3.54	10.26	15" RCP	@0.40%	I_{10}=5-ft.
F	3.72	--	0.52	0.68	16	15	3.72	7.37	7.20	18.64	--	--	--
Σ E,F	--	5.89	0.55	0.70	37	27	2.35	5.69	7.61	23.46	18" RCP	@0.60%	DROP INLET Double 24x24
G	1.12	--	0.60	0.74	24	17	3.03	7.00	2.01	5.80	--	--	I_{10}=5-ft.
Σ E,F,G	--	7.01	0.56	0.71	29	21	2.72	6.39	10.68	31.80	24" RCP	@0.25%	--
H	2.33	--	0.60	0.74	19	15	3.42	7.37	4.78	12.71	24" RCP	@0.25%	I_{10}=5-ft.

DRAINAGE & UTILITY PLAN

ARMOUR WOODS

OWNER/SUBDIVIDER: CRANMER GRASS FARMS, INC.
DAVID D. CRANMER
2501 N. MAIZE ROAD
WICHITA, KANSAS 67205

ARMOUR WOODS

Design: JNJ
Drawn by: KKL
Checked by: DSS
Date: 12/6/93
Job no.: 93-60-100

MID-KANSAS ENGINEERING CONSULTANTS INC.
3500 NORTH ROCK ROAD
BUILDING #300
WICHITA, KANSAS 67226
(316) 636-5566

Sheet 1 of 1

H:\CIVIL\ARMOUR\PROP\UTILPLAN