DRAINAGE PLAN

SHOAL CREEK ADDITION

SEDGWICK COUNTY, KANSAS

OWNER:
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LEGAL DESCRIPTION:
ALL THAT PORTION OF THE NE1/4 OF SEC. 23, TWP. 27-S, R-2-E OF THE 6TH P.M., SEDGWICK COUNTY, KANSAS, LYING SOUTH AND EAST OF THE SOUTHERLY RIGHT-OF-WAY LINE OF THE KANSAS TURNPIKE AS DESCRIBED IN THAT CERTAIN CONDEMNATION IN DISTRICT COURT OF SEDGWICK COUNTY, KANSAS, STYLED AS CASE NO. A-54126, EXCEPT A TRACT OF LAND IN THE NE1/4 OF SEC. 23, TWP. 27-S, R-2-E OF THE 6TH P.M., SEDGWICK COUNTY, KANSAS DESCRIBED AS FOLLOWS: COMMENCING AT THE NE CORNER OF SAID NE1/4; THENCE ON AN ASSUMED BASIS OF BEARING OF S00°08'24"W ALONG THE EAST LINE OF SAID NE1/4, 849.22 FEET TO THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF KANSAS TURNPIKE AUTHORITY, CONDEMNATION CASE A-54126, AND FOR A POINT OF BEGINNING; THENCE CONTINUING S00°08'24"W ALONG THE EAST LINE OF SAID NE1/4, 1173.38 FEET; THENCE N89°53'36"W PERPENDICULAR TO THE EAST LINE OF SAID NE1/4, 754.19 FEET; THENCE N36°39'27"W, 467.18 FEET, MORE OR LESS, TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF KANSAS TURNPIKE AUTHORITY, CONDEMNATION CASE A-54126; THENCE NORTHEASTERLY ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, BEING A CURVE TO THE LEFT, HAVING A RADIUS OF 3306.31 FEET, A DISTANCE OF 1233.66 FEET TO THE P.T. OF SAID CURVE; THENCE N50°57'24"E, 73.17 FEET TO THE POINT OF BEGINNING, SUBJECT TO ROAD RIGHT-OF-WAY AGREEMENTS ON 143RD STREET EAST (FILM 876, PAGE 450), (FILM 876, PAGE 448); QUIT CLAIM DEED (FILM 845, PAGE 1441), AND RIGHT-OF-WAY AGREEMENT RECORDED 8-12-53.

Hydrologic Data:
Rational Method "C" values based on 1/8 acre lots, with hydrologic soil types C and D.

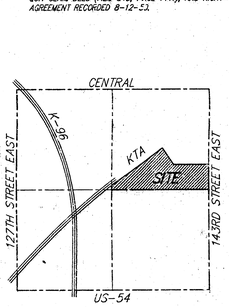
Drainage Area	Area (acres)	C_5	C_{100}	T_c (min.)	i_5 (in/hr)	i_{100} (in/hr)	Q_5 (cfs)	Q_{100} (cfs)	Drainage Area	Area (acres)	C_5	C_{100}	T_c (min.)	i_5 (in/hr)	i_{100} (in/hr)	Q_5 (cfs)	Q_{100} (cfs)
1	0.8	0.56	0.76	15	3.83	7.37	1.7	4.5	20	0.1	0.56	0.76	15	3.83	7.37	0.2	0.6
2	0.7	0.56	0.76	15	3.83	7.37	1.5	3.9	21	0.3	0.56	0.76	15	3.83	7.37	0.6	1.7
3	1.4	0.56	0.76	15	3.83	7.37	3.0	7.8	22	3.4	0.56	0.76	15	3.83	7.37	7.9	2.2
4	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	23	0.5	0.56	0.76	15	3.83	7.37	1.1	2.5
5	0.3	0.56	0.76	15	3.83	7.37	0.6	1.7	24	1.3	0.56	0.76	15	3.83	7.37	2.5	7.3
6	0.6	0.56	0.76	15	3.83	7.37	1.3	3.4	25	1.2	0.56	0.76	15	3.83	7.37	2.1	5.6
7	0.9	0.56	0.76	15	3.83	7.37	1.9	5.0	26	0.4	0.56	0.76	15	3.83	7.37	1.1	2.8
8	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	27	5.3	0.56	0.76	15	3.83	7.37	11	30
9	0.5	0.56	0.76	15	3.83	7.37	1.1	2.8	28	2.2	0.56	0.76	15	3.83	7.37	4.7	12
10	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	29	0.5	0.56	0.76	15	3.83	7.37	1.1	2.8
11	0.5	0.56	0.76	15	3.83	7.37	1.1	2.8	30	1.4	0.35	0.76	15	3.83	7.37	3.0	7.8
12	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	31	1.5	0.56	0.76	15	3.83	7.37	3.2	3.4
13	0.3	0.56	0.76	15	3.83	7.37	0.6	1.7	32	1.0	0.56	0.76	15	3.83	7.37	2.1	5.6
14	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	33	1.0	0.56	0.76	15	3.83	7.37	2.1	5.6
15	1.4	0.56	0.76	15	3.83	7.37	3.0	7.8	34	0.6	0.56	0.76	15	3.83	7.37	1.3	3.4
16	0.8	0.56	0.76	15	3.83	7.37	1.7	4.5	35	0.5	0.56	0.76	15	3.83	7.37	1.1	2.8
17	0.4	0.56	0.76	15	3.83	7.37	0.9	2.2	36	0.7	0.56	0.76	15	3.83	7.37	1.7	4.5
18	0.1	0.56	0.76	15	3.83	7.37	0.2	0.6	37	1.4	0.56	0.76	15	3.83	7.37	3.0	7.8
19	0.8	0.56	0.76	15	3.83	7.37	1.7	4.5	38	0.5	0.56	0.76	15	3.83	7.37	1.1	2.8

(NO) = Basin ID

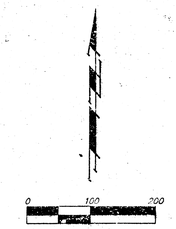
= Basin Boundary

= Primary Flow Direction

= SWS Pipe

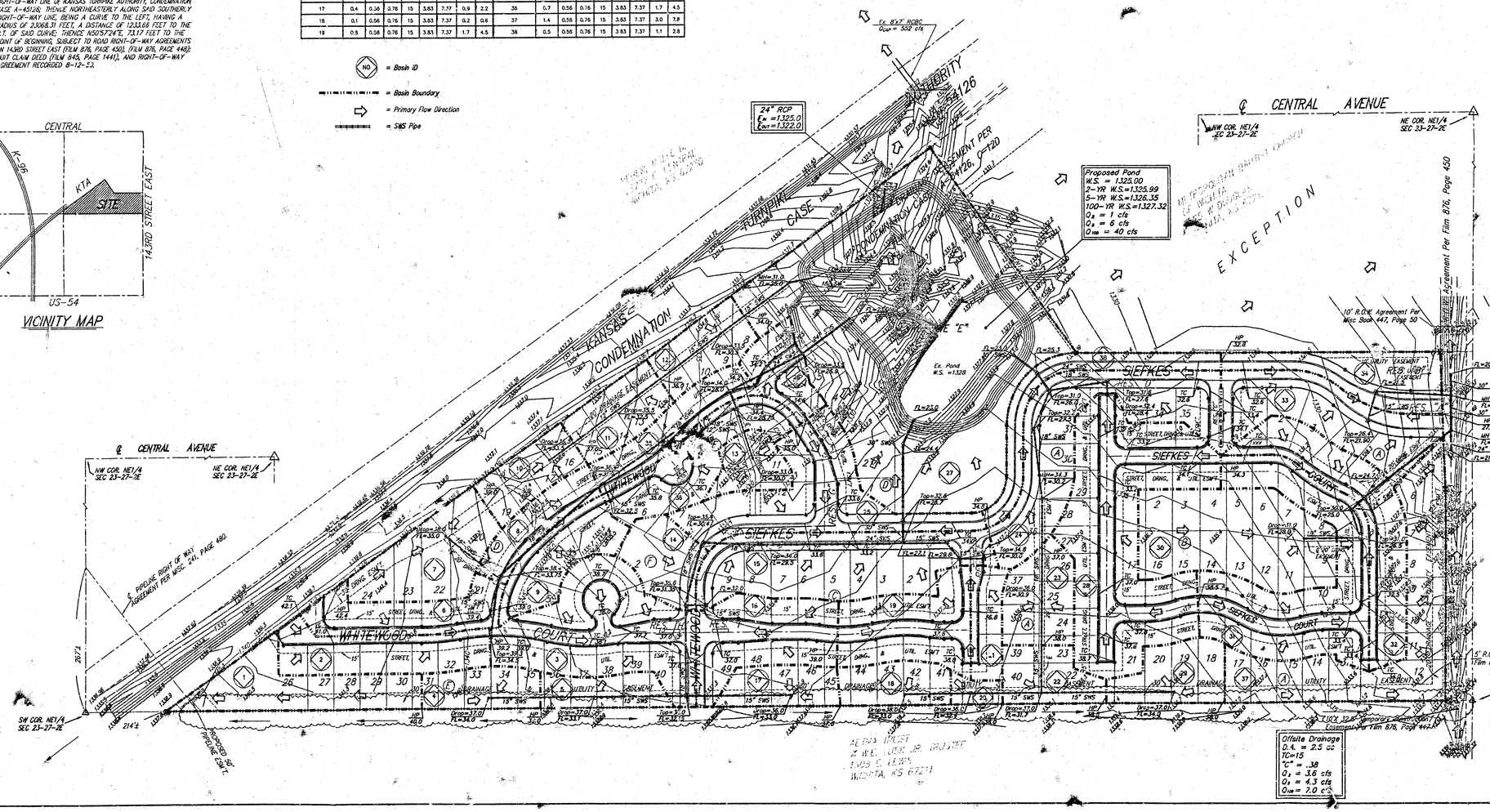


VICINITY MAP



BENCHMARK:
"□" CUT ON TOP OF CURB, NORTH SIDE SIEFKES, NW OF CENTER LINE OF SIEFKES CT., SHADYBROOK MEADOW ADDITION.
ELEV.= 1322.59 M.S.L.

● = ⌀ BAUCHMAN REBAR (SET)
△ = SECTION CORNER (FOUND)
⊠ = ⌀ P.E.C. REBAR (FOUND)



28 AUGUST 2000

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