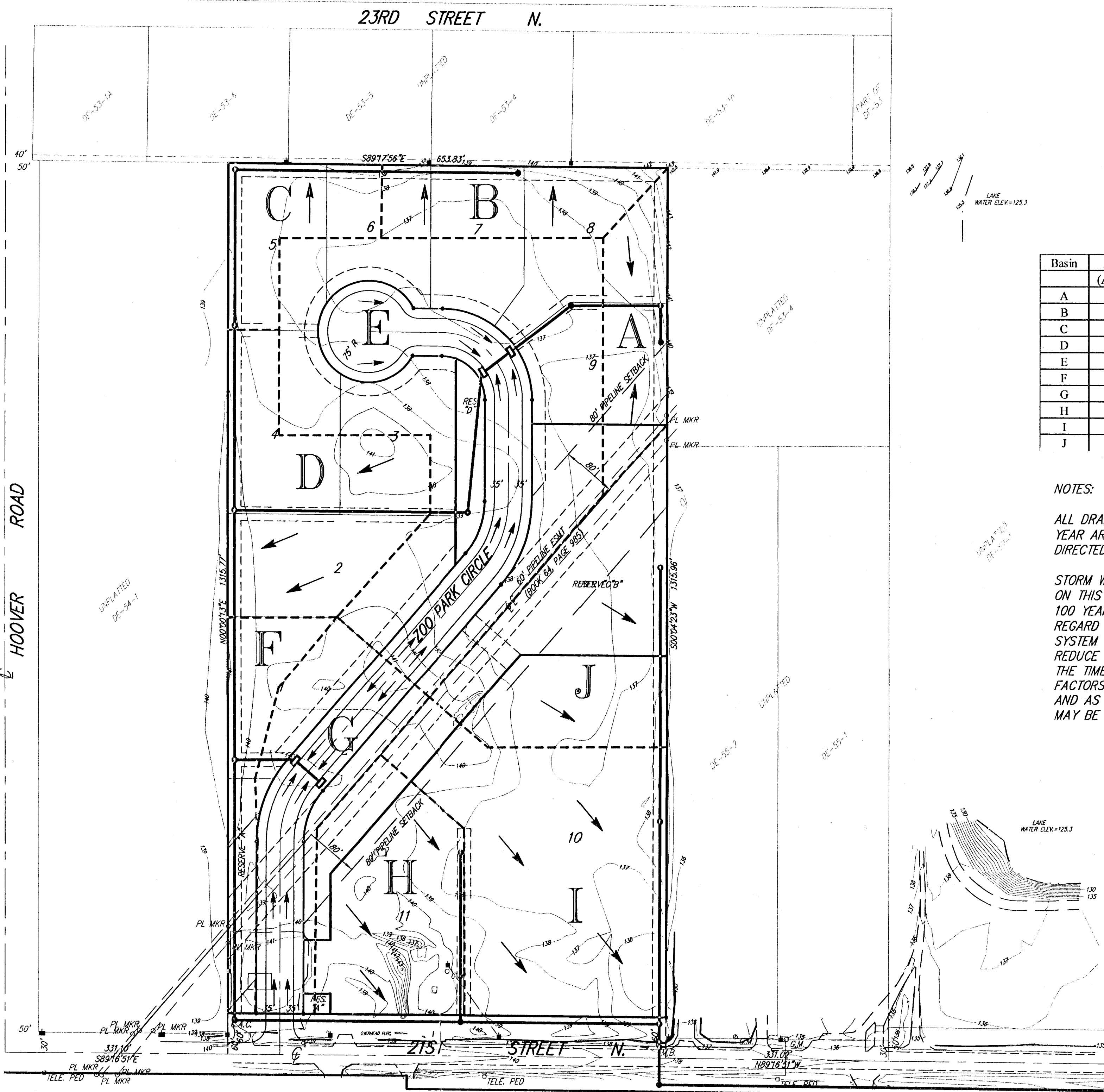


DRAINAGE PLAN
ZOO BUSINESS PARK

WICHITA, SEDGWICK COUNTY, KANSAS

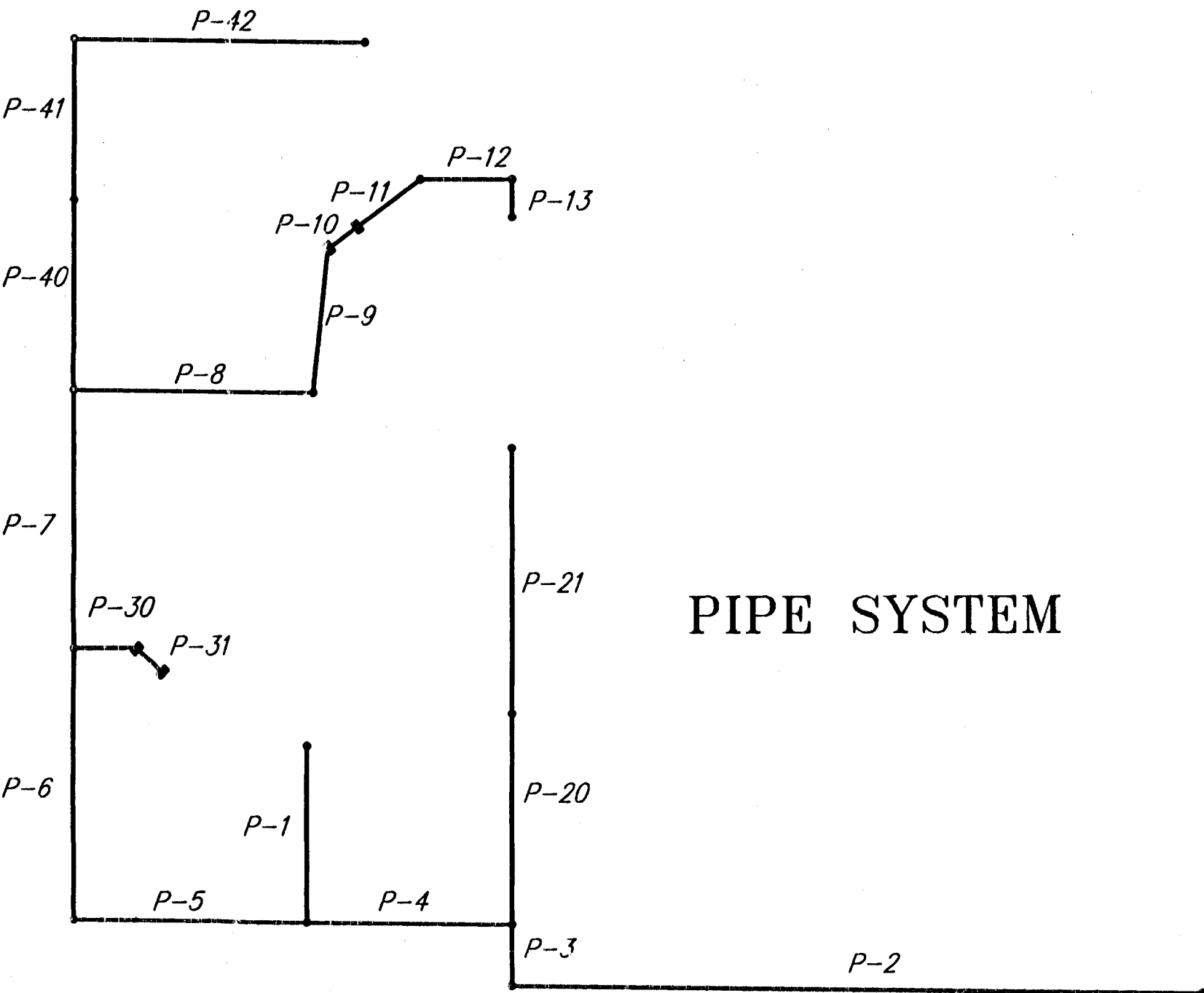


Basin	Area (Acres)	Tc (Min.)	I ("hr.)	C	Q100
A	0.84	15	7.37	0.80	5.0
B	0.92	15	7.37	0.80	5.4
C	0.81	15	7.37	0.80	4.8
D	1.88	15	7.37	0.80	11.1
E	5.00	15	7.37	0.80	29.5
F	0.80	15	7.37	0.80	4.7
G	1.62	15	7.37	0.80	9.6
H	1.70	15	7.37	0.80	10.0
I	3.10	15	7.37	0.80	18.3
J	2.20	15	7.37	0.60	9.7

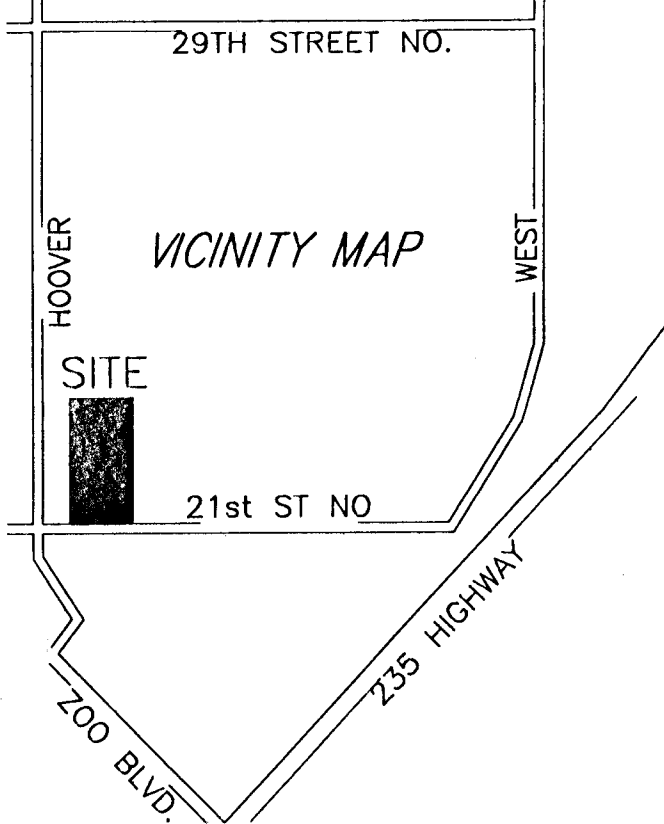
NOTES: TYPE A HYDROLOGIC GROUP SOILS

ALL DRAINAGE BASINS ARE SHOWN AS 100 YEAR AREAS, SINCE NO SPILLOVER CAN BE DIRECTED OFFSITE.

STORM WATER SEWER PIPE SIZES INDICATED ON THIS DRAINAGE PLAN ARE BASED ON THE 100 YEAR RUNOFF FROM ALL BASINS, WITHOUT REGARD TO REDUCED STORM WATER SEWER SYSTEM TIME OF CONCENTRATION, WHICH WILL REDUCE THE AMOUNT OF SYSTEM FLOW. AT THE TIME OF ACTUAL SYSTEM DESIGN, THESE FACTORS WILL BE TAKEN INTO CONSIDERATION, AND AS A RESULT, PIPE SIZES AND GRADES MAY BE MODIFIED.



Pipe	Q (cfs)	Size (in)	Slope (%)
1	108.5	6x3 RDC	0.2
2	108.5	6x3 RDC	0.2
3	108.5	6x3 RDC	0.2
4	80.5	48	0.25
5	70.5	48	0.25
6	68.8	48	0.25
7	55.8	48	0.27
8	34.5	48	0.26
9	34.5	36	0.29
10	19.0	24	0.83
11	5.0	15	0.53
12	5.0	15	0.53
13	2.0	15	0.53
20	18.7	24	0.68
21	9.7	18	0.85
30	10.0	24	0.55
31	5.0	18	1.04
40	10.2	24	0.3
41	5.4	15	0.35
42	5.4	15	0.35



BENCH MARK:
CITY OF WICHITA DISC
48.5' W. & 28.0' N. OF CENTERLINE INTERSECTION
OF HOOVER RD & 21ST STREET N.
ELEV.=139.07 (CITY DATUM)

ON SITE B.M.:
RAILROAD SPIKE IN POWER POLE
@ S.W. COR. OF SUBJECT PROPERTY
ELEV.=139.85 (CITY DATUM)

DRAINAGE DIRECTED TO
CITY OF WICHITA WATER
DEPARTMENT PROPERTY
(SAND PIT)

DRAINAGE PLAN
ZOO BUSINESS PARK

SRB

924 NORTH MAIN
WICHITA, KANSAS 67203
http://www.feist.com/~srb

316-264-8008
FAX 264-4621
E-mail: srbo@feist.com

SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

PROJECT NUMBER

DESIGN
C. Bohm

DRAWN
C. Bohm

UTILITY

REVIEW

DATE
7-6-00

REVISED

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OF
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