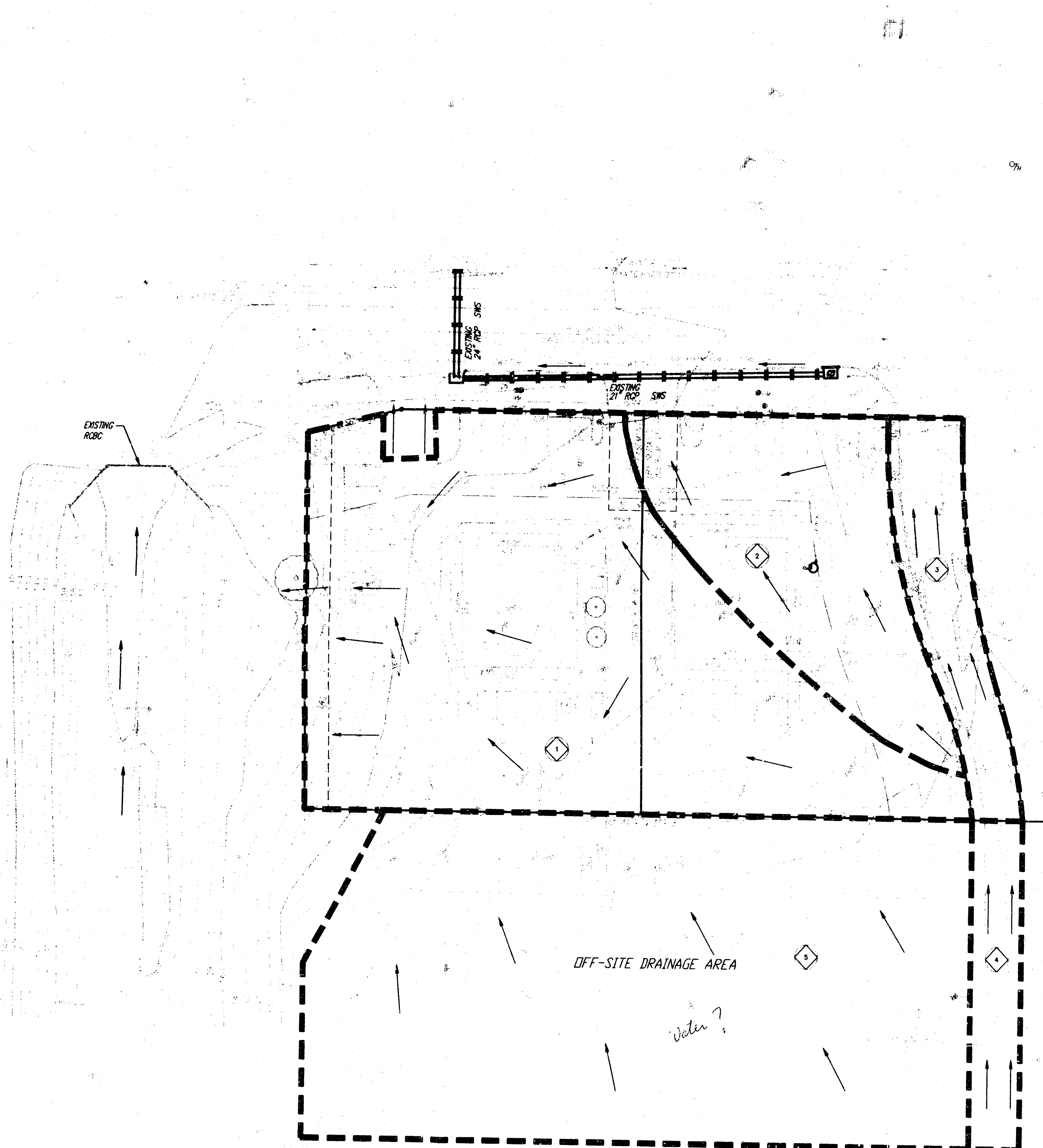


DRAINAGE PLAN

CEDAR LAKES VILLAGE 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



- LEGEND**
- = 4" Baghouse Filter Set
 - = 1/2" Iron Pipe Found
 - = Hilti Nail Set
 - △ = Chained Cross Set
 - SSO = Sanitary Sewer Cleanout
 - DI = Drop Inlet
 - EB = Electric Box
 - OH = Fire Hydrant
 - GM = Gas Meter
 - GA = Gas Anchor
 - GM = Gas Meter
 - LP = Light Pole
 - PP = Power Pole
 - △ = Sign
 - SSMH = Sanitary Sewer Manhole
 - SSMH = Storm Sewer Manhole
 - SSMH = Southwestern Bell Manhole
 - MM = Meter Manhole
 - ◇ = Basin ID
 - = Basin Boundary

Drainage Area	Area (acres)	C ₁	C ₂	T _c (min.)	I ₂ (in/hr)	I ₁₀ (in/hr)	Q ₂ (cfs)	Q ₁₀ (cfs)
1	0.75	0.90	0.90	15	3.83	7.36	2.6	5.0
2	0.26	0.90	0.90	15	3.83	7.36	0.9	1.7
3	0.10	0.90	0.90	15	3.83	7.36	0.4	0.7
4	0.10	0.90	0.90	15	3.83	7.36	0.4	0.7
5	1.0	0.90	0.90	15	3.83	7.36	3.4	6.6

LEGAL DESCRIPTION

A tract of land located within Lot 1, Block 1, Cedar Lakes Village Third Addition to Wichita, Sedgewick County, Kansas, described as beginning at the NW corner of said Lot 1, thence N76°12'25"E along the northern line of said Lot 1, 41.18 feet to a deflection point; thence S89°44'30"E along the north line of said Lot 1, 108 feet to a Point of Beginning; thence continuing S89°44'30"E along the north line of said Lot 1, 108 feet to the NE corner of said Lot 1; thence S70°02'E along the west line of said Lot 1, 10.29 feet to the P.C. of a curve to the left; thence southwesterly along said curve, having a central angle of 25°00' and a radius of 234.76 feet, an arc distance of 102.43 feet (having a chord length of 101.62 feet bearing S12°30'00"E) to a P.R.C.; thence southwesterly along a curve to the right, having a central angle of 19°27'12" and a radius of 170.76 feet, an arc distance of 57.30 feet (having a chord length of 57.70 feet bearing S10°21'32"E) to a Point of Beginning; thence N89°44'30"W, 143.18 feet; thence N00°00"E, 165 feet to the Point of Beginning; together with that part of Reserve "B", Cedar Lakes Village Third Addition to Wichita, Sedgewick County, Kansas described as beginning at the NE corner of said Lot 1; thence S89°44'30"E along the north line of Reserve "B", 32 feet; thence S00°00"W along the center line of Reserve "B", 10.15 feet to the P.C. of a curve to the left; thence southwesterly along said curve, having a central angle of 17°01'36" and a radius of 333.91 feet, an arc distance of 98.22 feet (having a chord length of 98.90 feet bearing S10°21'32"E); thence N89°44'30"W, 22.13 feet to a point on a curve on the east line of said Lot 1; thence northwesterly along a curve to the left, having a central angle of 19°27'12" and a radius of 170.76 feet, an arc distance of 57.30 feet (having a chord length of 57.70 feet bearing S10°21'32"E); to a P.R.C.; thence northwesterly along a curve to the right, having a central angle of 25°00' and a radius of 234.76 feet, an arc distance of 102.43 feet (having a chord length of 101.62 feet bearing N12°30'00"W); to a P.T.; thence N00°00"E, along the west line of said Lot 1, 10.29 feet to the Point of Beginning.

TOGETHER WITH:

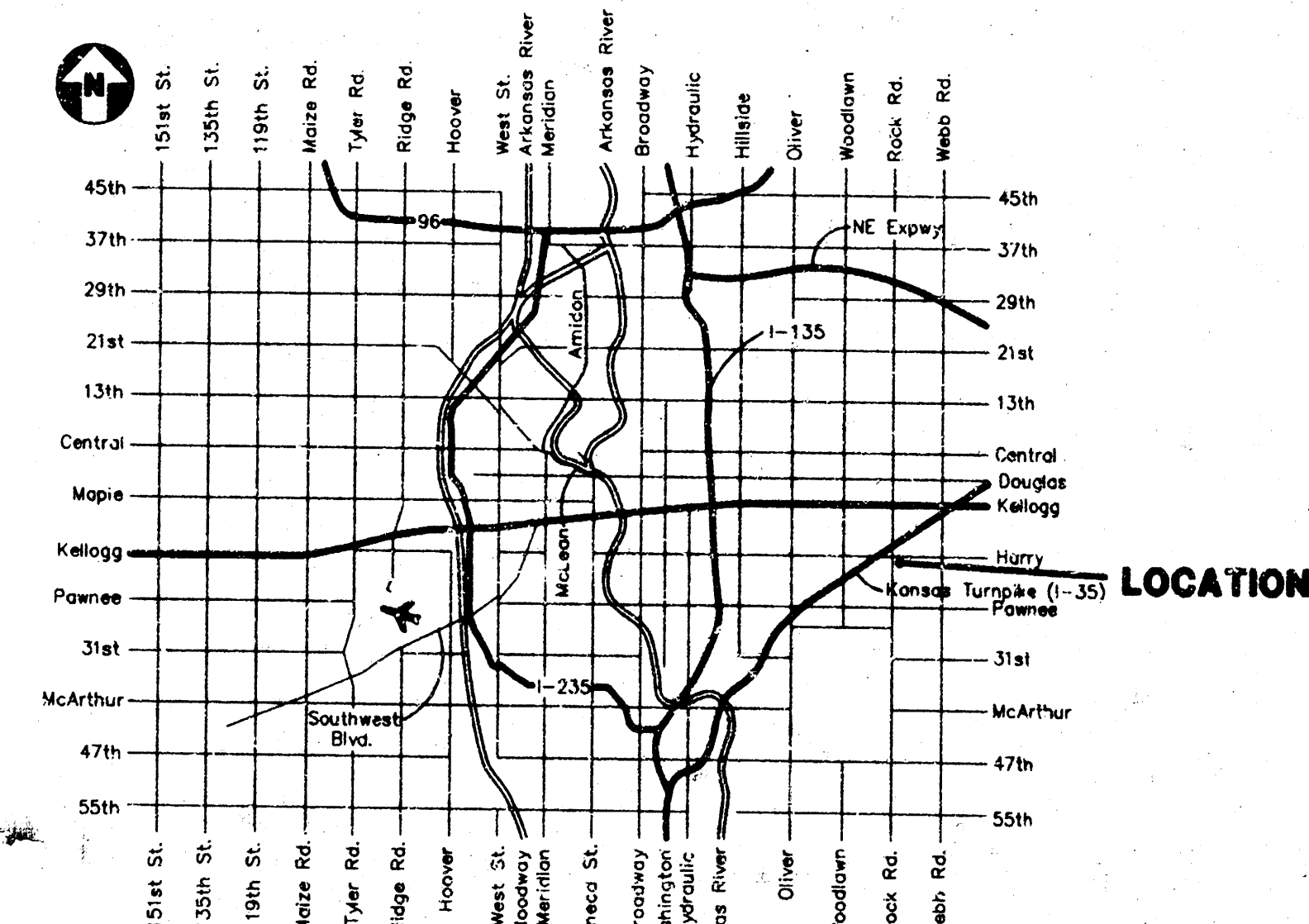
A tract of land located within Lot 1, Block 1, Cedar Lakes Village Third Addition to Wichita, Sedgewick County, Kansas described as beginning at the NW corner of said Lot 1; thence N76°12'25"E along the northern line of said Lot 1, 41.18 feet to a deflection point; thence S89°44'30"E along the north line of said Lot 1, 108 feet; thence S00°00"W, 165 feet; thence N89°44'30"W, 146 feet to a point on the west line of said Lot 1; thence N00°00"E along the west line of said Lot 1, 155 feet to the Point of Beginning.

OWNER

Alan S. Russell
6711 East Harry
Wichita, Kansas 67207
(316) 685-7661

BENCHMARK

CITY OF WICHITA BENCH MARK - DISC
250 FEET PLUS OR MINUS EAST OF
ROCK ROAD, NORTHEAST CORNER
WICHITALL ON NEW PORTION OF
BRIDGE
ELEVATION = 146.85



VICINITY MAP

NOTE: The proposed drainage plan provided herein is a generally defined plan to follow for design. It is recognized and assumed that upon the final design of street and storm sewer improvements within this plot that the designer will modify or alter the general drainage plan as necessary in order to implement the installation of the improvements to obtain the most economical design and construction possible.

NOTE: At this time there are no proposed site changes that will disturb the existing drainage patterns. The "Drainage Plan" provided represents both the existing and proposed drainage.