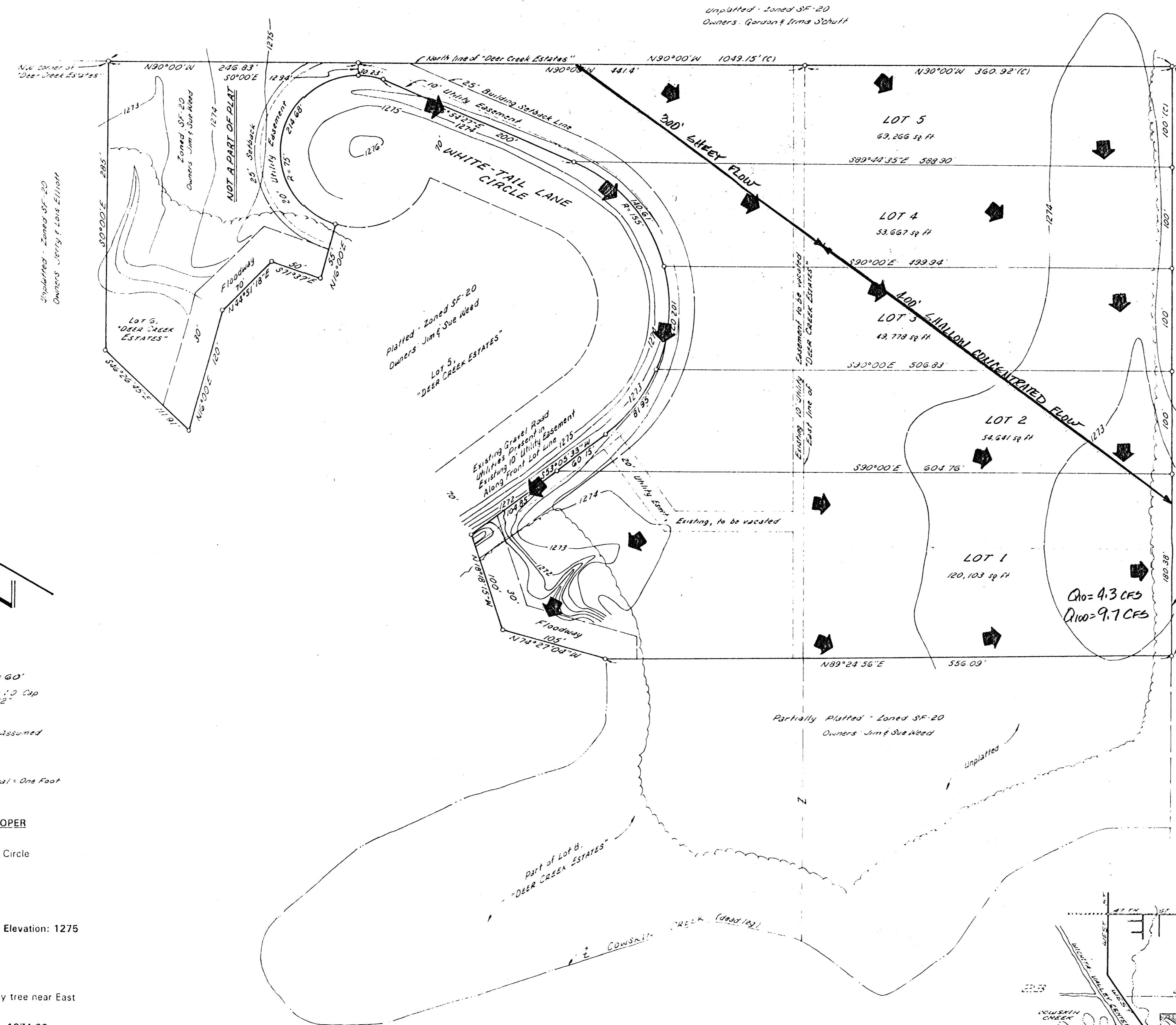


DRAINAGE PLAN

SKETCH TO ACCOMPANY FINAL PLAT OF

"DEER CREEK ESTATES SECOND ADDITION" SEDGWICK COUNTY, KANSAS

IN THE SOUTHWEST QUARTER OF SECTION 24,
TOWNSHIP 28 SOUTH, RANGE 1 WEST
OF THE 6TH P.M.



Lot corner falls in line
shown and set on 5000
property line and 5'
West of calculated
position

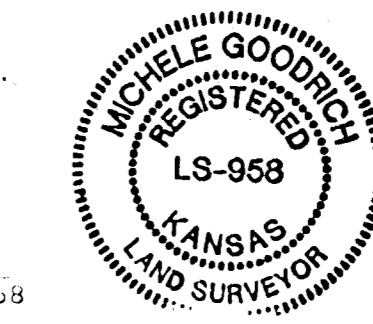
Platted - Zoned SF-20
Owner: Roger F. McWhorter Living Trust

LEGAL DESCRIPTION FOR "DEER CREEK ESTATES SECOND ADDITION" Sedgwick County, Kansas

Lot 7 and that part of Lot 8 "DEER CREEK ESTATES", Sedgwick County, Kansas, described as follows: Beginning at the Northern most corner of said Lot 8; thence with a platted bearing of South 36°54'27" East, a distance of 102.8 feet; thence South 90°00' East, a distance of 133.91 feet to the East line of said Lot 8; thence South 0°00'30" West, on said East line, a distance of 137.99 feet; thence South 89°24'56" West, a distance of 195.01 feet to a point on the Westerly line of said Lot 8; thence North 74°27'04" West, a distance of 105 feet; thence North 18°18'15" West, a distance of 100 feet; thence North 53°05'33" East, a distance of 165 feet to the Point of Beginning; together with that part of the Southwest Quarter of Section 24, Township 28 South, Range 1 West of the Sixth Principal Meridian, Sedgwick County, Kansas, described as follows: Beginning at the Northeast corner of Lot 7, "DEER CREEK ESTATES", Sedgwick County, Kansas; thence with a platted bearing of South 0°00'30" West, a distance of 584.11 feet; thence North 89°24'56" East, a distance of 381.08 feet; more or less, to the East line of said Southwest Quarter; thence North 0°00'30" West, on said East line, a distance of 530.38 feet; thence North 96°00'00" West, a distance of 360.92 feet to the Point of Beginning.

This legal description was prepared by Terra Tech Land Surveying, Inc. and is true and correct according to information of record and to the best knowledge and belief of the corporation.

TERRA TECH LAND SURVEYING, INC.



Michele Goodrich
Michele Goodrich 5-3-97 LS #958

This document should contain a crimped seal and the surveyor's signature in blue ink. If it does not, it is a copy that should be assumed to contain unauthorized alterations. The certification on this document shall not apply to any copies.

DRAINAGE COMPUTATIONS

$DRAINAGE AREA = \frac{347,455}{43,560} = 8.0 \text{ ACRES}$

BY SCS TR-55, TIME OF CONCENTRATION:

$T_c = \frac{.007(1.3 \cdot 300)^{.78}}{(3.5)^{.5}(1300)^{.4}} + \frac{400'}{1.5(1.3)(3000)} = 0.76 \text{ HR.} = 46 \text{ MIN.}$

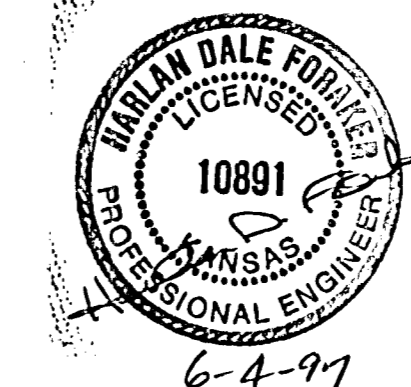
$C_{10} = 2.21 \text{ HR.}$
 $C_{100} = 3.29 \text{ HR.}$

RATIONAL C FACTOR (LOTS APPROX. LACCE INSIDE)

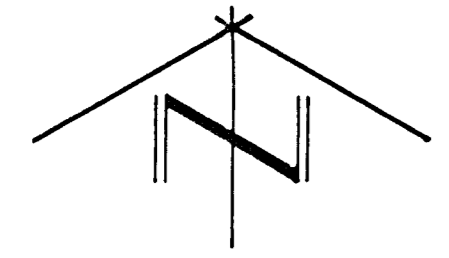
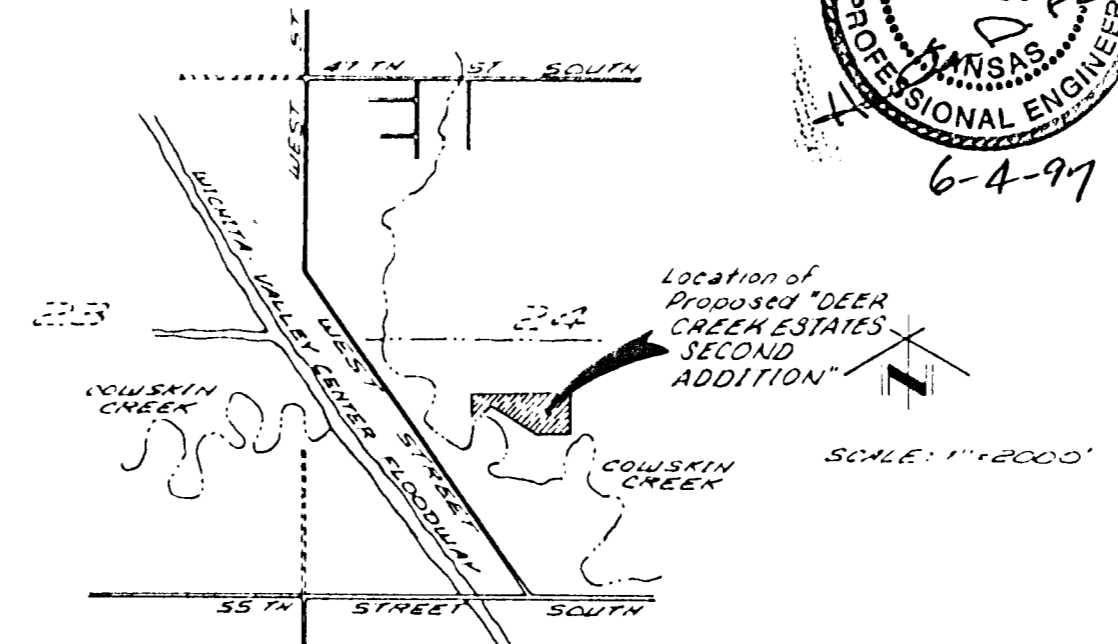
SOIL TYPE: Na, Narco - Fine Sandy Loam
SCS TYPE B SOIL
C FACTOR FOR SOIL GROUP 'B', SLOPE LT. 1%
 $C_{10} = 0.24$
 $C_{100} = 0.37$

DEVELOPED PEAK RUNOFF DISCHARGE

$Q_{10} = 0.24(2.21 \text{ HR.}) = 4.3 \text{ CFS}$
 $Q_{100} = 0.37(3.29 \text{ HR.}) = 9.7 \text{ CFS}$



6-4-97



SCALE: 1" = 60'
0" = 1/2" = 1.0 Cap
"T.L.S.I. 01322"
S.D. 3.0. 1.0
Bearing Basis Assumed
File #370/92
8 May, 1997
Contour Interval - One Foot

SUBDIVIDER / DEVELOPER

Jim and Sue Weed
5362 White Tail Lane Circle
Wichita, KS 67217
(316) 524-7343

Minimum Building Pad Elevation: 1275

BENCH MARK

3:8" Spike in Hackberry tree near East line of Lot 6.

Elevation: 1274.93

Michele Goodrich
5-3-97

TERRA TECH
LAND SURVEYING INC.

239 North Ohio
Wichita, Kansas 67214-3933
(316) 267-0744 / 267-2348
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