

DRAINAGE PLAN COPART ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

D.A. = 325 ac. (Contributing) 85 ac.
(Non-Contributing) Flow Rate Through
Proposed Double-16" RCP:
C₁ = 51 cfs
C₂ = 201 cfs
C₃ = 78.0

Existing 24" RCP
FL = 73.35 (N)
FL = 73.37 (S)

Existing 24" CUP
FL = 73.27 (out)

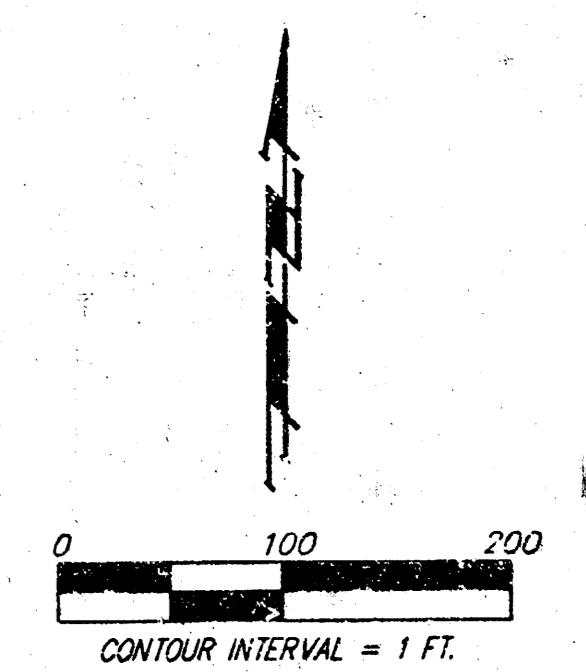
Existing 48" CUP
w/Flap Gate
FL = 75.10 (in)

Arkansas River
BFE = 81.9
(City Datum)

D.A. = 27.7 ac.
T_c = 15 min.
C₁ = 85.7 cfs
C₂ = 107 cfs
C₃ = 186 cfs

D.A. = 6.61 ac.
T_c = 15 min.
C₁ = 55.91
C₂ = 26 cfs
C₃ = 44 cfs

D.A. = 1.21 ac.
T_c = 15 min.
C₁ = 85.91
C₂ = 469 cfs
C₃ = 8.12 cfs



DRAINAGE NOTES

1. The Existing Soil Type per Soil Survey of Sedgwick County, Kansas is Prot-Tholl Complex and Canadian Fine Sandy Loam. The Hydrologic Group Listed is A & B Respectively.
2. A Portion of This Parcel of Land is Located in A FEMA Zone B Per FIRM Map. (Community/ Panel Number: 200328 00358) Effective Date: May 15, 1988.
3. 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 Site Grading 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.

- ⊠ = #4 REBAR W/ "BAUGHMAN" CAP (SET)
- ⊠ = FLOOD CONTROL MONUMENT (FOUND)
- ⊠ = #4 25BAR (FOUND)
- ⊠ = STAKE (FOUND)
- ⊠ = POWER POLE
- ⊠ = GAS METER
- ⊠ = ELECTRIC METER
- ⊠ = LIGHT POLE
- ⊠ = GUY ANCHOR
- ⊠ = YARD HYDRANT
- ⊠ = SANITARY SEWER MANHOLE
- ⊠ = SOUTHWESTERN BELL PEDESTAL
- ⊠ = WATER METER
- ⊠ = FIRE HYDRANT
- ⊠ = AIR CONDITIONER
- ⊠ = GUARD POST
- ⊠ = DECIDUOUS TREE

- GUARD RAIL
- WATER LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SANITARY SEWER LINE
- EXISTING FENCE LINE

NOTE:
A DRAINAGE PLAN HAS BEEN DEVELOPED FOR THIS SUBDIVISION AND IS ON FILE WITH THE CITY OF WICHITA, KANSAS. DRAINAGE INTENT SHALL REMAIN AS DEPICTED OR AS MODIFIED WITH THE APPROVAL OF THE CITY ENGINEER OF THE CITY OF WICHITA, KANSAS. NO OBSTRUCTIONS WHICH IMPEDE THE FLOW OF THIS DRAINAGE PLAN SHALL BE ALLOWED.

BENCHMARK:
TOP OF 1/2" IRON AT THE NE CORNER OF
47TH STREET SOUTH & MADISON AVE.
ELEV. = 84.24 CITY DATUM (127.64 M.S.L.)

