

DRAINAGE PLAN FOR PRELIMINARY PLAT FIRE STATION #22 ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

Legal Description

Lot 1, & the East 50.00 feet of Lot 2, Este Cate Second Addition
Wichita, Sedgwick County, Kansas. Except the North 15.00 feet thereof.

OWNER:
The City of Wichita

c/o Certified Engineering Design P.A.
Attn: Harlan Foraker
810 W. Douglas
Suite C
Wichita, Ks. 67216
Ph. 316-262-8808

GROSS SIZE:
35703.71 Sq. Ft.
0.82 Acres±

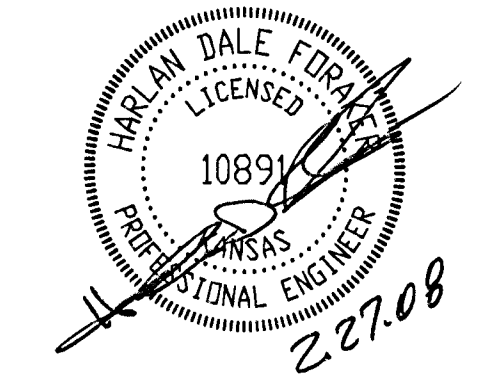
NET SIZE OF PLAT:
35703.71 Sq. Ft.
0.82 Acres±

MINIMUM LOT SIZE:
35703.71 Sq. Ft.
0.82 Acres±

ZONING:
SF-5 - Single Family

CONTROL NUMBER:
134294

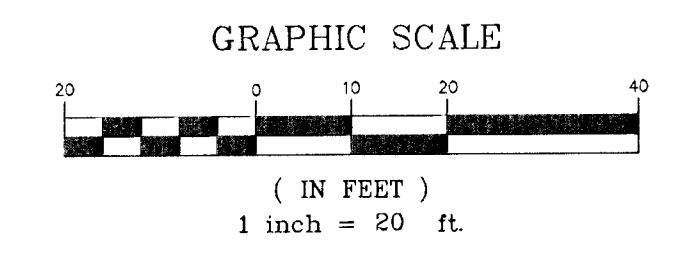
- ➔ - Proposed Drainage Flow Direction
- ➡ - Existing Drainage Flow Direction



DRAINAGE PLAN PREPARED BY:		
CERTIFIED ENGINEERING DESIGN, P.A.		
CED	810 WEST DOUGLAS, SUITE C	SHEET 1
	WICHITA, KANSAS 67203	
	PH: (316) 262-8808 FAX: (316) 262-1669	
		TOTAL 1

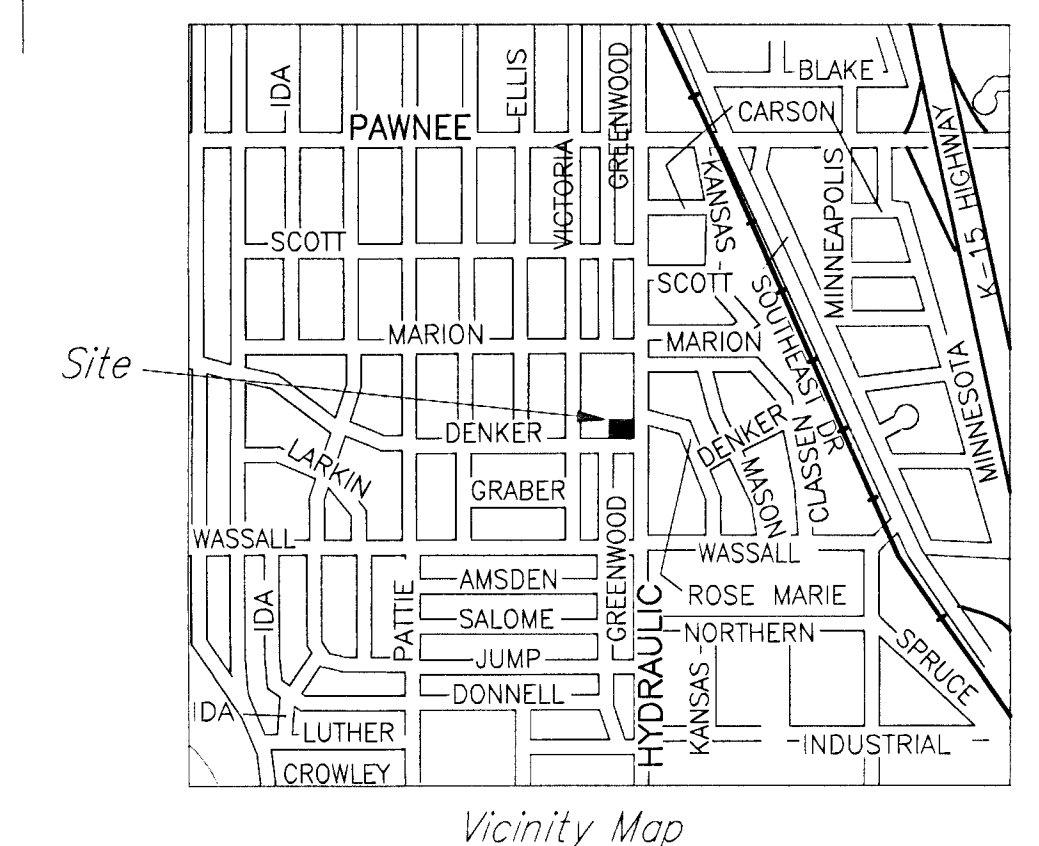
LEGEND
G = GAS MAIN
W = WATER MAIN
SS = SANITARY SEWER
SWS = STORM WATER SEWER
UGE = UNDER GROUND ELECTRIC
UGT = UNDER GROUND TELEPHONE

- TELE. PED TELEPHONE PEDESTAL
- E.B. ELECTRIC BOX
- G.M. GAS METER
- W.M. WATER METER
- W.V. WATER VALVE
- F.H. FIRE HYDRANT
- M.W. MONITOR WELL
- C.O. CLEAN OUT
- L.P. LIGHT POLE
- POWER POLE
- HIGH LINE POLE
- ← GUY ANCHOR
- ⊥ SIGN
- G.P. GUARD POST
- SWS M.H. STORM WATER SEWER MANHOLE
- SS M.H. SANITARY SEWER MANHOLE



LEGEND:
Survey Datum = NAVD 88
P = Plotted
M = Measured
C = Calculated
D = Described
F = Flashed
3/4" IP 3/4" IRON PIPE (FOUND)
1/2" IP 1/2" IRON PIPE (FOUND)
SAV 1/2" REBAR W/SAV/DY CAP (SET)
TM CITY OF WICHITA CONTROL (FOUND)

Site Bench Mark: Square Cut "□" Top of curb 6.3' W. & 14.3' S. of the S.E. corner Lot 1, Este Cate Second Addition Elevation = 1281.00 NAVD88



EXISTING DRAINAGE DATA
Area=0.82 acres
SCS Soil Type B
Urban Land-Canadian Complex
Tc=30 min.
C10=0.28
i 10=4.56"/hr.
i 100=6.79"/hr.
Q 10=1.05 cfs
Q 100=2.28 cfs

DEVELOPED DRAINAGE DATA
Area=0.41 acres
SCS Soil Type B
Urban Land-Canadian Complex
Wtd. C10=0.78
Tc=15 min.
i 10=6.08"/hr.
i 100=8.98"/hr.
Q 10=1.9 cfs
Q 100=3.0 cfs

Total Site New Impervious
Area=29,403 sq.ft.
=0.675 acres
Wtd. C10=0.78
Wtd. C100=0.81

DEVELOPED DRAINAGE DATA
Area=0.41 acres
SCS Soil Type B
Urban Land-Canadian Complex
Wtd. C10=0.78
Tc=15 min.
i 10=6.08"/hr.
i 100=8.98"/hr.
Q 10=1.9 cfs
Q 100=3.0 cfs

