

DRAINAGE PLAN WICHITA RETIREMENT RESIDENCE ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

LEGAL DESCRIPTION:

The north 35 rods of the east 68 3/4 rods of the Northeast Quarter of Section 18, Township 27 South, Range 1 West of the Sixth Principal Meridian, Sedgwick County, Kansas, except that part platted as Brandt Commercial Addition, Wichita, Sedgwick County, Kansas.

OWNER:

Brandt Real Estate 13, L.L.C.
145 N. Westfield
Wichita, Ks. 67212

GROSS SIZE:

226,892.70 Sq. Ft. ±
5.209 Acres ±

NET SIZE:

205,693.51 Sq. Ft. ±
4.722 Acres ±

Drainage Area = 0.53 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.6$ cfs
 $Q_{100} = 3.1$ cfs

Drainage Area = 0.91 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 2.7$ cfs
 $Q_{100} = 5.3$ cfs

Drainage Area = 0.73 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 2.2$ cfs
 $Q_{100} = 4.3$ cfs

Drainage Area = 0.17 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 0.5$ cfs
 $Q_{100} = 1.0$ cfs

Drainage Area = 1.71 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 5.1$ cfs
 $Q_{100} = 10.0$ cfs

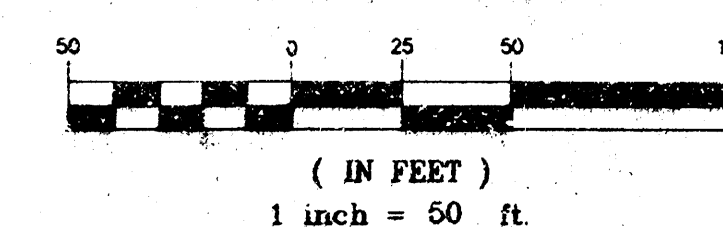
Drainage Area = 0.57 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.7$ cfs
 $Q_{100} = 3.3$ cfs

Drainage Area = 0.08 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.66$
 $C_{100} = 0.79$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 0.2$ cfs
 $Q_{100} = 0.5$ cfs

LEGEND

- SS = SANITARY SEWER
- SWS = STORM WATER SEWER
- UGE = UNDER GROUND ELECTRIC
- UGT = UNDER GROUND TELEPHONE
- TELE. PED. = TELEPHONE PEDISTAL
- G.M. = GAS METER
- W.M. = WATER METER
- L.P. = LIGHT POLE
- T.P. = TELEPHONE POLE
- P.P. = POWER POLE
- H.L.P. = HIGH LINE POLE
- C.A. = CUY ANCHOR
- E.T. = ELECTRIC TRANSFORMER
- SIGN = SIGN
- N.G.R. = NATURAL GAS REGULATOR
- SWS M.H. = STORM WATER SEWER MANHOLE
- SS M.H. = SANITARY SEWER MANHOLE

GRAPHIC SCALE



BENCH MARK: CITY OF WICHITA STANDARD DISC
N.W. COR. OF INTERSECTION OF MAIZE R. & 13TH ST. N.
108.5' N. & 75' W. OF INTERSECTION OF CENTERLINE OF BOTH
ELEV = 1347.42 NGVD

ON SITE B.M.: "13" CUT ON TOP OF CURB
101.4' W. & 2.4' N. OF N.E. COR. OF LOT 1,
WICHITA RETIREMENT RESIDENCE ADDITION
ELEV = 1345.80 NGVD

SRB

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DWG FILE: 014200P-KS
PROJECT NO. 98061420P

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

Aug. 10, 1999