

DRAINAGE PLAN ECK 8TH ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



DATE OF PREPARATION: 9 APRIL 2001
DATE OF TOPOGRAPHY: 23 APRIL 2000
CONTOUR INTERVAL = 1 FOOT

OWNER/DEVELOPER:
Mathias F. & Patricia S. Eck
Eck Real Estate
5512 W. Central
Wichita, Kansas 67212

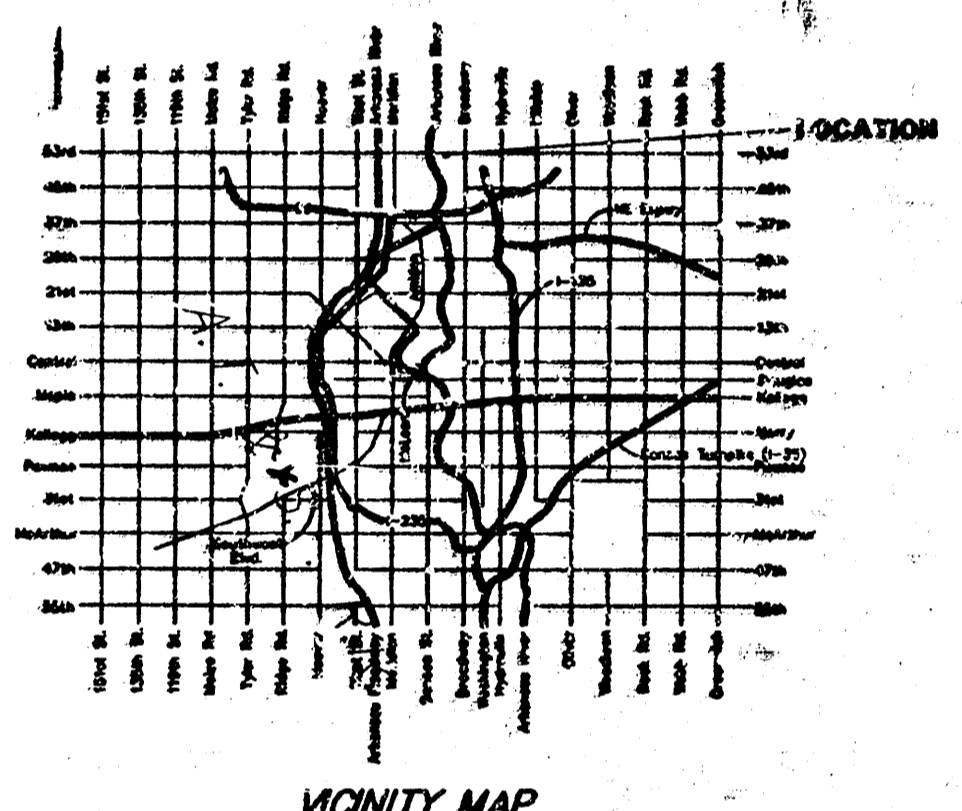
LEGAL DESCRIPTION:
The north 630.00 feet of that part of the NE 1/4 of Sec. 20, T26-S, R-1-E of the 6th P.M., Sedgwick County, Kansas, lying west of the west line of the Atchison, Topeka, and Santa Fe Railroad right of way, subject to street right of way on the north and west.

DRAINAGE NOTE:

- The Existing Soil Type per Soil Survey of Sedgwick County, Kansas is Naron Fine Sandy Loam and is a Hydrologic Group B.
- This Parcel of Land is Not Located in A FEMA Special Flood Hazard Zone Area Per FIRN Map (Community/ Panel Number: 200321 150) Effective Date: June 3, 1995.

- = #4 REBAR W/ "RAUSHMAN" CAP (SET)
- = #4 REBAR 10" DEEP (FOUND)
- ⊗ = 3/4" IRON PIPE 6" DEEP (FOUND)
- = CARRIER #6 REBAR FLUSH W/ CONC. (FOUND)
- = RT SPIRE FLUSH W/ CONC. (FOUND)
- FM ○ = Fire Hydrant
- GM ● = Gas Meter
- GU ○ = Gourd Post (Ballard)
- GP ○ = Guy Pole
- GV ● = Gas Valve
- HLP □ = High Line Pole
- MW ○ = Monitoring Well
- PM ● = Pipeline Marker
- PP □ = Power Pole
- SP ● = Sign
- SMB FO Marker ● = Southwestern Bell Fiber Optic Marker
- SSMH ● = Sanitary Sewer Manhole
- SWSM ● = Stormwater Sewer Manhole

BENCHMARK:
City of Wichita benchmark. City disc southwestern corner of bridge over west branch of Chisham Creek. City benchmark under nameplate of Bridge Built 1957, 250.00' +/- east of Arkansas Avenue. Elev=148.60 City Datum (N.G. 1.0 = 1336.00)



LOT	BLOCK	ELEVATION CITY DATUM
1	A	135.51

Ex. 30" CMP
FL in = 135.32
FL out = 135.51

Offsite Detention Requirements Will Be Handled by a Drainage Agreement with the Owners Property to the South. Final Pond Location Will be Determined with the Development of the Property to South. The Detention Pond will be Required to Store 0.44 ac-ft of Runoff, in Addition to the Volume Required for Its Site.

D.A. = 2.79 ac.
EXISTING:
Tc = .40
Qs = 4.5 cfs
Qms = 7.3 cfs
DEVELOPED:
Tc = .85/.91
Tc = 15 min.
Qs = 11 cfs
Qms = 19 cfs

D.A. = 2.2 ac.
Tc = .40
Tc = 15 min.
Qs = 4.0 cfs
Qms = 6.5 cfs

18" SWS
Top = 138.5
FL in = 136.0
FL out = 135.5

