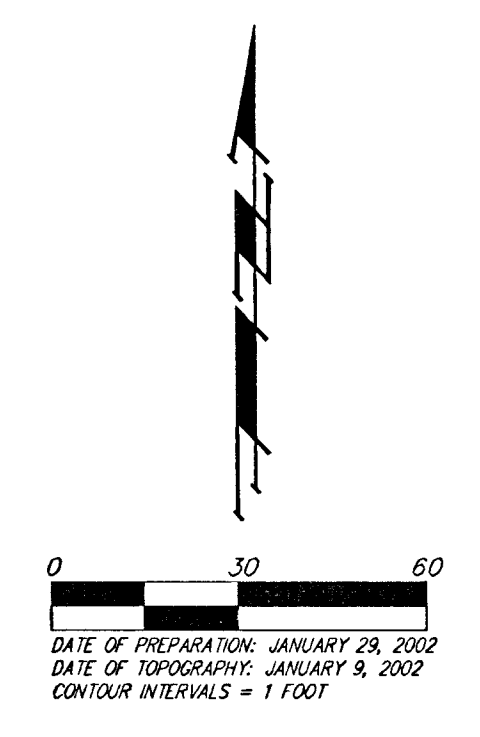


DRAINAGE PLAN HOLT ADDITION WICHITA, SEDGWICK COUNTY, KANSAS



- OWNER:**
Jerome D. Holt and Yvonne L. Holt
10600 E. Central
Wichita, KS 67226
316-684-2875
- BENCHMARK:**
City of Wichita benchmark 0.5 miles east of
Wichita on Central, 43' north of centerline of
Central, 35' west of centerline of Miller
Street.
- = #1 REBAR w/ "BAUGHMAN" CAP (FOUND)
 - = #1 REBAR w/ "BAUGHMAN" CAP (SET)
 - ⊙ = #1 REBAR w/ "TILST" CAP (FOUND)
 - ⊗ = CROSS (FOUND)
 - = 1/4" ANCHOR IN MASONRY (FOUND)
- DI = Drop Inlet
 - EB □ = Electric Box
 - FI □ = Fire Hydrant
 - GM □ = Gas Meter
 - GA □ = Day Anchor
 - LP □ = Light Pole
 - EM □ = Electric Meter
 - EMH □ = Electric Manhole
 - PP □ = Power Pole
 - SWP (P) □ = Southwestern Bell Pedestal
 - T □ = Tree
 - WM □ = Water Meter
 - Sign □ = Sign
 - SSM □ = Sanitary Sewer Manhole
 - SSMh □ = Southwestern Bell Manhole
 - SSMw □ = Stormwater Sewer Manhole
 - WV □ = Water Valve
 - WVH □ = Water Vault
 - WVH □ = Transformer

OFF-SITE DRAINAGE
D.A. = 5.1 ac.
Tc = 15 min.
"C" = .51/.66
Q₂ = 12 cfs
Q₁₀₀ = 29 cfs

	BASIN #1	BASIN #2
DRAINAGE AREA	1.5 acres	0.56 acres
Tc	15 min.	15 min.
i - 2 yr	3.83 in/hr	3.83 in/hr
i - 5 yr	4.56 in/hr	4.56 in/hr
i - 100 yr	7.37 in/hr	7.37 in/hr
Q ₂ - 2 yr	0.84	0.84
Q ₂ - 5 yr	0.85	0.85
Q ₂ - 100 yr	0.91	0.91
Q ₁₀₀ - 2 yr	4.8 cfs	1.8 cfs
Q ₁₀₀ - 5 yr	5.8 cfs	2.2 cfs
Q ₁₀₀ - 100 yr	10 cfs	3.8 cfs

DRAINAGE NOTES:

- The soil type per Soil Survey of Sedgwick County is Rosehill silty clay and Irwin silty clay loam. The hydrologic classification for these soils are a D.
- This parcel of land is located in a Federal Emergency Management Agency (FEMA) Zone C per F.I.R.M. Map 200321 150B, Effective Date June 3, 1996.

