

DRAINAGE PLAN CRIGLER ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

That part of the SW 1/4 of Sec. 2, Twp. 27-S, R-1-E, of the 6th P.M., Sedgwick County, Kansas, described as commencing at the NE Cor. thereof; thence S89°00'W, along the north line of said SW 1/4, 337.94 feet to the east line of Fenner Place extended north as platted in Replat of Block G, Mona-Lynn Estates to Wichita, Sedgwick County, Kansas; thence S00°W, along the east line of said Addition and being parallel with the east line of said SW 1/4, 455 feet; thence S57°00'14"E, 22 feet for a point of beginning; thence S09°12'15"W, 115.35 feet to a point on the east line of said Replat of Block G, Mona-Lynn Addition; thence S00°W, 126.12 feet to the north line of 24th Street North as platted in Second Addition to Schreck Estates, Wichita, Sedgwick County, Kansas; thence easterly and southeasterly along the north line of said 24th Street North, being a curve having a radius of 144.35 feet, a central angle of 61°19', an arc length of 154.48 feet, and a chord bearing S88°25'30"E, to the P.T. of said curve; thence S57°46'E, along the north line of said 24th Street North, 121.39 feet; thence N19°27'00"E, 264.03 feet to a point on the east line of said SW 1/4, said point being 532.73 feet south of the NE corner thereof; thence N20°42'21"W (N20°49'21"W Calc.), 247.35 feet to a point 300 feet south of the north line of said SW 1/4; thence S24°57'44"W, 272.46 feet; thence N57°00'14"W, 138.94 feet to the point of beginning.

GROSS SIZE
83,178.23 SQ. FT. ±
1.910 ACRES ±

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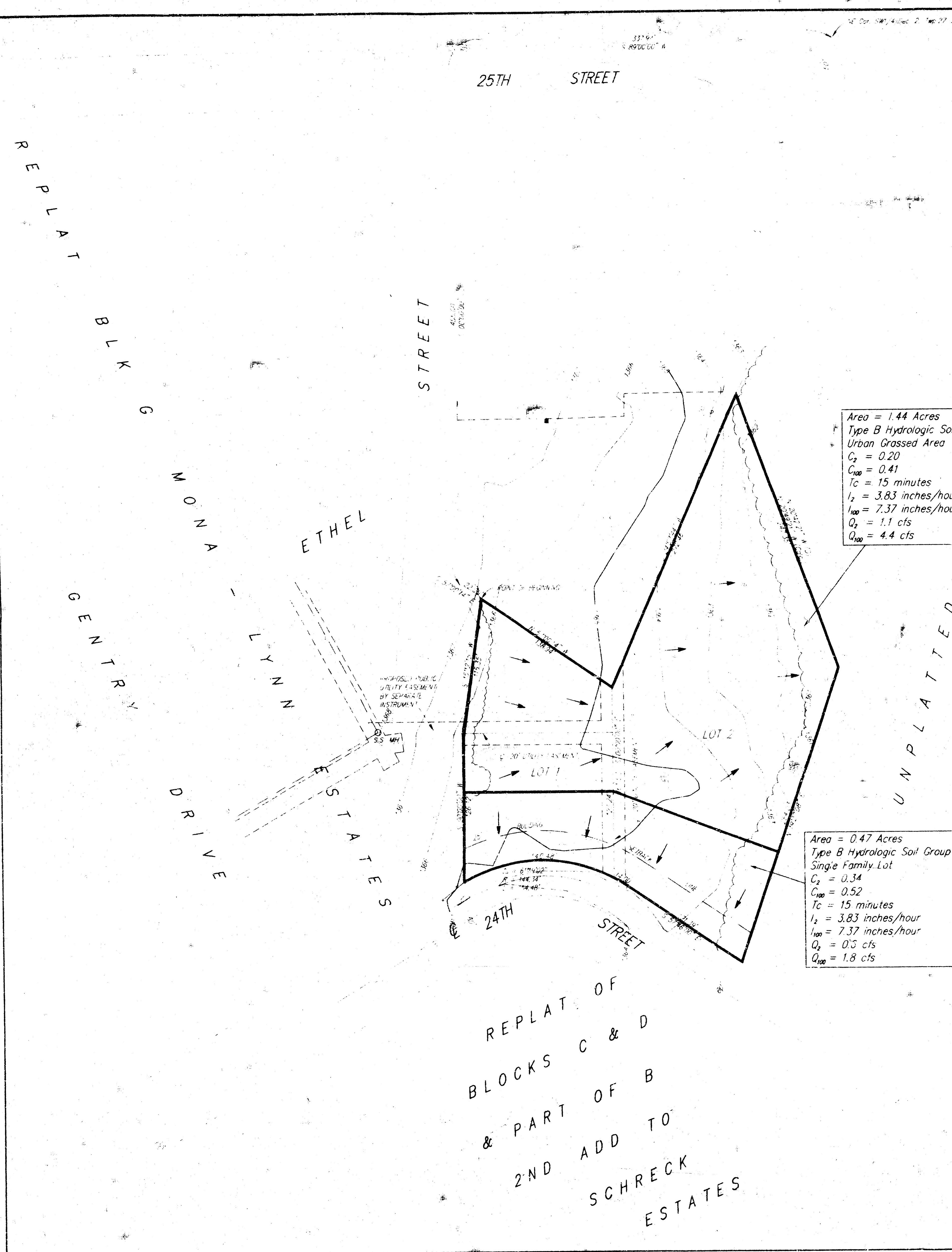
1" = 50'
ELEV = MSL

D = DESCRIBED

BENCH MARK:
City of Wichita, Standard Disc.
25' S & 2' W of Intersection of Center Lines
25th Street North & Bluff Ave.
Elev. = 178.57 (City of Wichita, Datum)
Elev. = 1365.97 (MSL)

Area = 1.44 Acres
Type B Hydrologic Soil Group
Urban Grassed Area
 $C_2 = 0.20$
 $C_{100} = 0.41$
 $T_c = 15$ minutes
 $I_2 = 3.83$ inches/hour
 $I_{100} = 7.37$ inches/hour
 $Q_2 = 1.1$ cfs
 $Q_{100} = 4.4$ cfs

Area = 0.47 Acres
Type B Hydrologic Soil Group
Single Family Lot
 $C_2 = 0.34$
 $C_{100} = 0.52$
 $T_c = 15$ minutes
 $I_2 = 3.83$ inches/hour
 $I_{100} = 7.37$ inches/hour
 $Q_2 = 0.5$ cfs
 $Q_{100} = 1.8$ cfs



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

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