

# **DRAINAGE PLAN STONEBOROUGH 3RD ADDITION WICHITA, SEDGWICK COUNTY, KANSAS**

## **LEGAL DESCRIPTION**

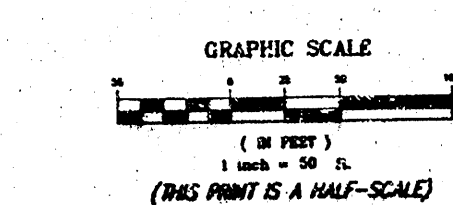
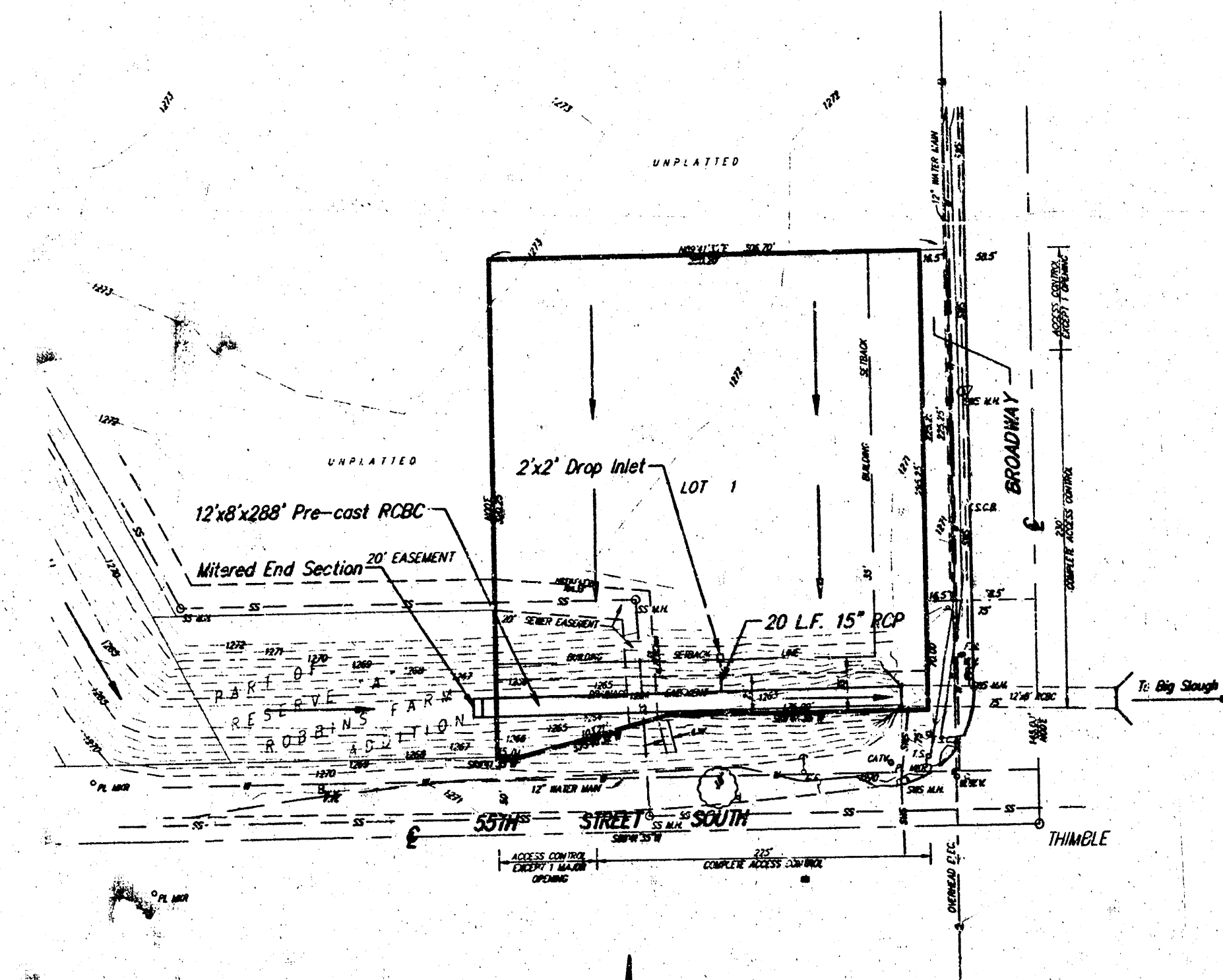
That part of Reserve A, Robbins Farm Addition, Wichita, Kansas, Sedgewick County, Kansas described as beginning at the S.E. Corner thereof, thence S89°41'32"W along the south line of said Reserve A, 175 feet; thence S19°40'12"E along the south line of said Reserve A, 132.21 feet; thence S89°41'32"W along the south line of said Reserve A, 15.20 feet; thence N02°E, parallel with the east line of said Reserve A, 55 feet to the north line of said Reserve A; thence N89°41'32"E, along the north line of said Reserve A, 253.25 feet to the N.E. Corner of said Reserve A; thence S00°W along the east line of said Reserve A, 70 feet to the place of beginning, and

That part of the SE 1/4 of Sec. 20, Twp. 28-S, R-1-E of the 6th P.M., Sedgewick County, Kansas described as commencing at the S.E. Corner of said SE 1/4, thence N02°E along the east line of said SE 1/4, 143 feet; thence S89°41'32"W, 58.50 feet for a place of beginning; thence N02°E, 225.25 feet; thence S89°41'32"W, parallel with the south line of said SE 1/4, 336.70 feet; thence S00°W parallel with the east line of said SE 1/4, 155.25 feet to a point 145 feet north of the south line of said SE 1/4; thence N89°41'32"E, 306.70 feet to the place of beginning.

**OWNER:**  
Stoneborough Corp.  
229 E. Millers  
Wichita, KS 67202

**GROSS SIZE:**  
91,086.52 Sq. Ft.  
2,080 Acres

**NET SIZE:**  
81,363.25 Sq. Ft.  
1,866 Acres



MEAN PAD ELEVATION FOR LOWEST OPENING = 1271 (M.S.L.)

BENCH MARK: CITY OF WICHITA 72D DSC  
TOP OF IRONING N.B. CORNER OF A.C.B.C.  
@ N.W. CORNER OF INTERSECTION  
50TH ST. SOUTH & BROADWAY  
ELEV = 1271.87 (M.S.L.)

| EXISTING                | PROPOSED                |
|-------------------------|-------------------------|
| Drainage Area = 2.0 Ac. | Drainage Area = 2.0 Ac. |
| Hydraulic Soil Type "D" | Hydraulic Soil Type "D" |
| $T_c = 15$ min.         | $T_c = 15$ min.         |
| $C_s = 0.55$            | $C_s = 0.65$            |
| $C_{wa} = 0.65$         | $C_{wa} = 0.91$         |
| $I_p = 4.56$ in.        | $I_p = 4.56$ in.        |
| $I_w = 7.37$ in.        | $I_w = 7.37$ in.        |
| $Q_p = 1.2$ cfs         | $Q_p = 7.8$ cfs         |
| $C_{wa} = 8.8$ cfs      | $C_{wa} = 13.4$ cfs     |

**NOTE:**  
Use peak lat. discharge on this site to reduce the 100 year peak discharge to 5.8 cfs from 7.8 cfs.  
Approximate storm rainfall is 2.655 in. at  
Flooded depth not to exceed 0.8 ft.

DWG FILE: Drainage Plan.dwg  
PROJECT NO.: 88-05-04P  
REV. 06-2000

**SRB**  
SAVOY, EUGLES & POHM, P.A.  
ENGINEERING & SURVEYING