

DRAINAGE PLAN DUNNEGAN INDUSTRIAL ADDITION

SEDGWICK COUNTY, KANSAS

DESCRIPTION:

All that part of Government Lots 2 and 3 in Sec. 11, Twp. 28-S, R-1-E of the 6th P.M., Sedgwick County, Kansas, lying south of the south line of the Kansas Turnpike, east of the east line of the Arkansas River as established on Film 238, at Page 332 and west of the west line of the Atchinson, Topka & Santa Fe railroad right-of-way and north of the north line of Mac Arthur Road as established on Film 227, at Page 354, except that part platted as Sutherland Lumber South an Addition to Sedgwick County, Kansas.

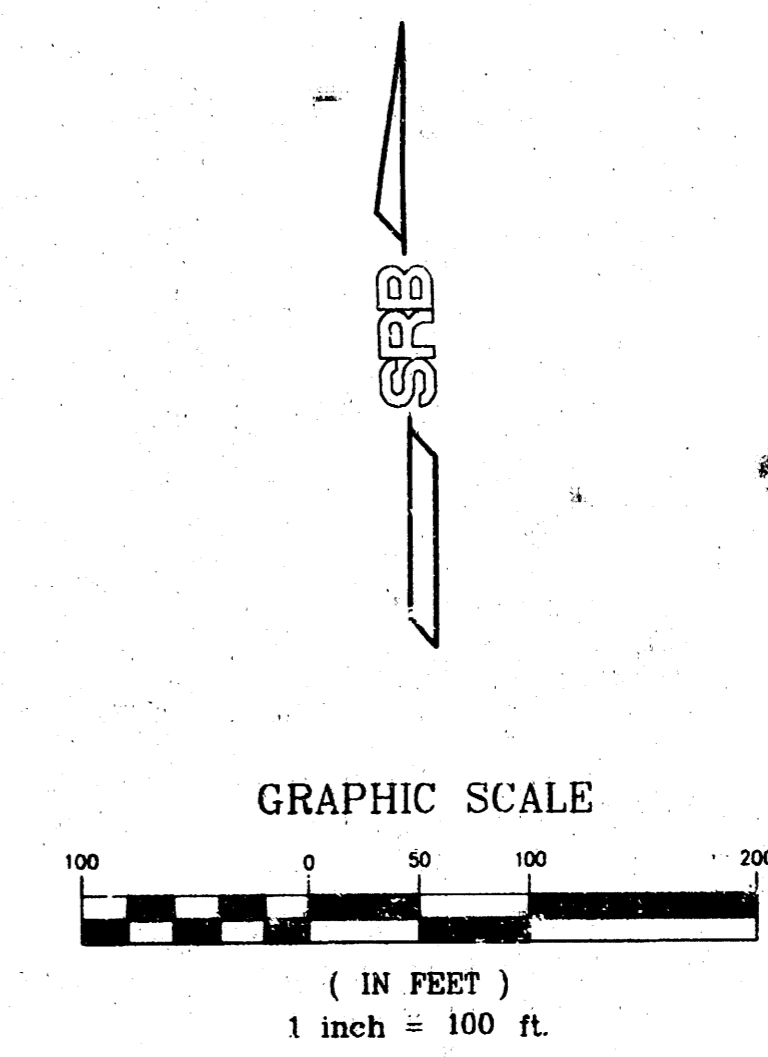
Gerald L. Dunnegan
3330 E. Mac Arthur Rd.
Wichita, Kansas 67216

Ph. 686-1903

GROSS AREA:
439,716.60 Sq. Ft. ±
10.09 Acres

MINIMUM LOT SIZE:
439,716.60 Sq. Ft. ±
10.09 Acres

MINIMUM BUILDING PAD = 1274.0 MSL



BENCH MARK:
CITY OF WICHITA STD. DISC
@ S.W. COR. N. BRIDGE OVER ARKANSAS RIVER,
BETWEEN K-15 AND TURNPIKE, ON WING WALL
4.0' N. OF CENTERLINE MAC ARTHUR RD.
ELEV.=1281.92 N.G.V.D.

Drainage Area = 1.87 Ac.
Hydrologic Soil Type "B"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 5.9$ cfs
 $Q_{100} = 11.0$ cfs

Drainage Area = 2.09 Ac.
Hydrologic Soil Type "B"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 6.6$ cfs
 $Q_{100} = 12.3$ cfs

REPLACE EXISTING 36" SMS WITH 94 L.F. 36" RCP w/ END SECTIONS AND 20 S.Y. HEAVY STONE RIP-RAP BOTH ENDS.

Drainage Area = 2.29 Ac.
Hydrologic Soil Type "B"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 7.2$ cfs
 $Q_{100} = 13.5$ cfs

INSTALL 2'x4" DROP INLET w/ 24" OUTLET PIPE, END SECTION, AND 20 S.Y. HEAVY STONE RIP-RAP.

Drainage Area = 3.22 Ac.
Hydrologic Soil Type "B"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 10.2$ cfs
 $Q_{100} = 19.0$ cfs

WHEN DEVELOPMENT OF THIS SITE OCCURS, THE OWNER MAY DRAIN THIS AREA TO THE KANSAS TURNPIKE AUTHORITY (K.T.A.) RIGHT-OF-WAY (R.O.W.) WITH THE WRITTEN PERMISSION OF THE K.T.A. IN LIEU OF THE 24" OUTFALL STRUCTURE.

INSTALL 2'x4" DROP INLET w/ 24" OUTLET PIPE, END SECTION, AND 14 S.Y. HEAVY STONE RIP-RAP.

INSTALL 2'x4" DROP INLET

