

DRAINAGE PLAN DAN SCHMIDT ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

Legal Description:

That part of the SE 1/4 of the SE 1/4 of Sec. 21, Twp. 28-S, R-1-E of the 6th P.M., Sedgwick County, Kansas described as: Commencing at the N.E. Corner of the SE 1/4 of said Sec. 21; thence south, along the east line of said SE 1/4, 100.00 feet for a point of beginning; thence right at an angle of 89°28' 22.00 feet; thence right at an angle of 90°32' 10.00 feet more or less to a point on the north line of the SE 1/4 of the SE 1/4 of said Sec. 21; thence west along said north line 334.78 feet more or less to a point 100.00 feet east of the N.W. Corner of the NE 1/4 of the SE 1/4 of said Sec. 21; thence south parallel with and 100.00 feet east of the west line of the NE 1/4 of the SE 1/4 of the SE 1/4 of said Sec. 21, 316.39 feet; thence east deflecting left 90°02'21", 559.92 feet more or less to a point on the east line of the SE 1/4 of said Sec. 21; thence north 219.17 feet to the point of beginning, subject to road right-of-way over the east 50.00 feet thereof.

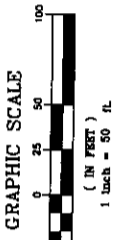
OWNER:
Dan B. & Kathy R. Schmidt
5439 S. Hydraulic Ave.
Wichita, Kansas
Ph. 204-5222

GROSS AREA:
155288.61 Sq. Ft. ±
3.56 Acres ±

NET AREA:
144341.79 Sq. Ft. ±
3.31 Acres ±

MINIMUM LOT SIZE:
20910.27 Sq. Ft. ±
0.48 Acres ±

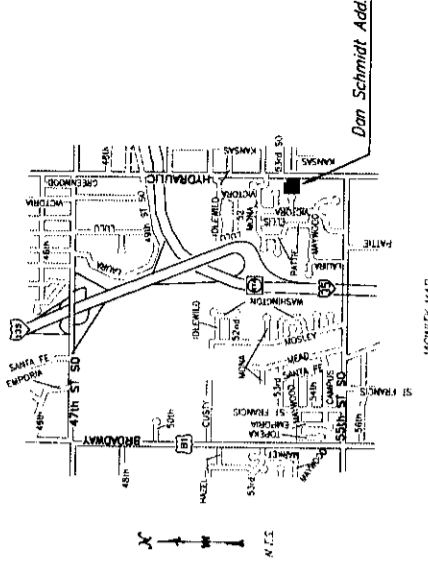
EXISTING ZONING: SF-5
CONTROL NO. 118716



- LEGEND
- C = GAS MAIN
- W = WATER MAIN
- SS = SANITARY SEWER
- SWS = STORM WATER SEWER
- UT = UNDERGROUND TELEPHONE
- B.M. = BENCH MARK
- TELE. RED = TELEPHONE REESTAL
- CO = CEMENT
- EB = ELECTRIC BOX
- EA = ELEC. ANCHOR
- GM = GAS METER
- GP = GUARD POST
- LP = LIGHT POLE
- MB = MAIL BOX
- PP = POWER POLE W/ANCHOR
- POST = POST
- RP = ROOF RENT
- SKN = SKIN
- WELL = WATER WELL
- WHY = WATER HYDRANT
- WM = WATER METER
- WMP = WATER METER PALET
- WV = WATER VALVE
- ET = ELECTRIC TRANSDUCER
- SS M.H. = SANITARY SEWER MANHOLE
- SWS M.H. = STORM WATER SEWER MANHOLE

FUTURE STORM WATER SEWER
Construct storm sewer over the existing SWS, extend 30' of 18" RCP, construct 2'x2' drop inlet. SWS to be extended when site is developed.

In the event that the future use shall require in excess of 1.0 acres of impervious area, on site detention will be required.

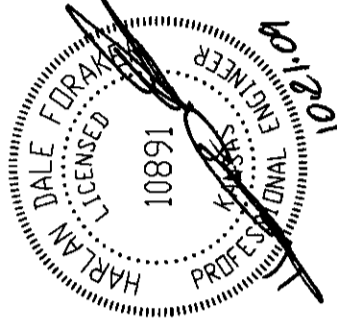


- DRAINAGE KEY**
- = Proposed Surface Drainage Direction
 - = Existing Contours
 - = Proposed Contours

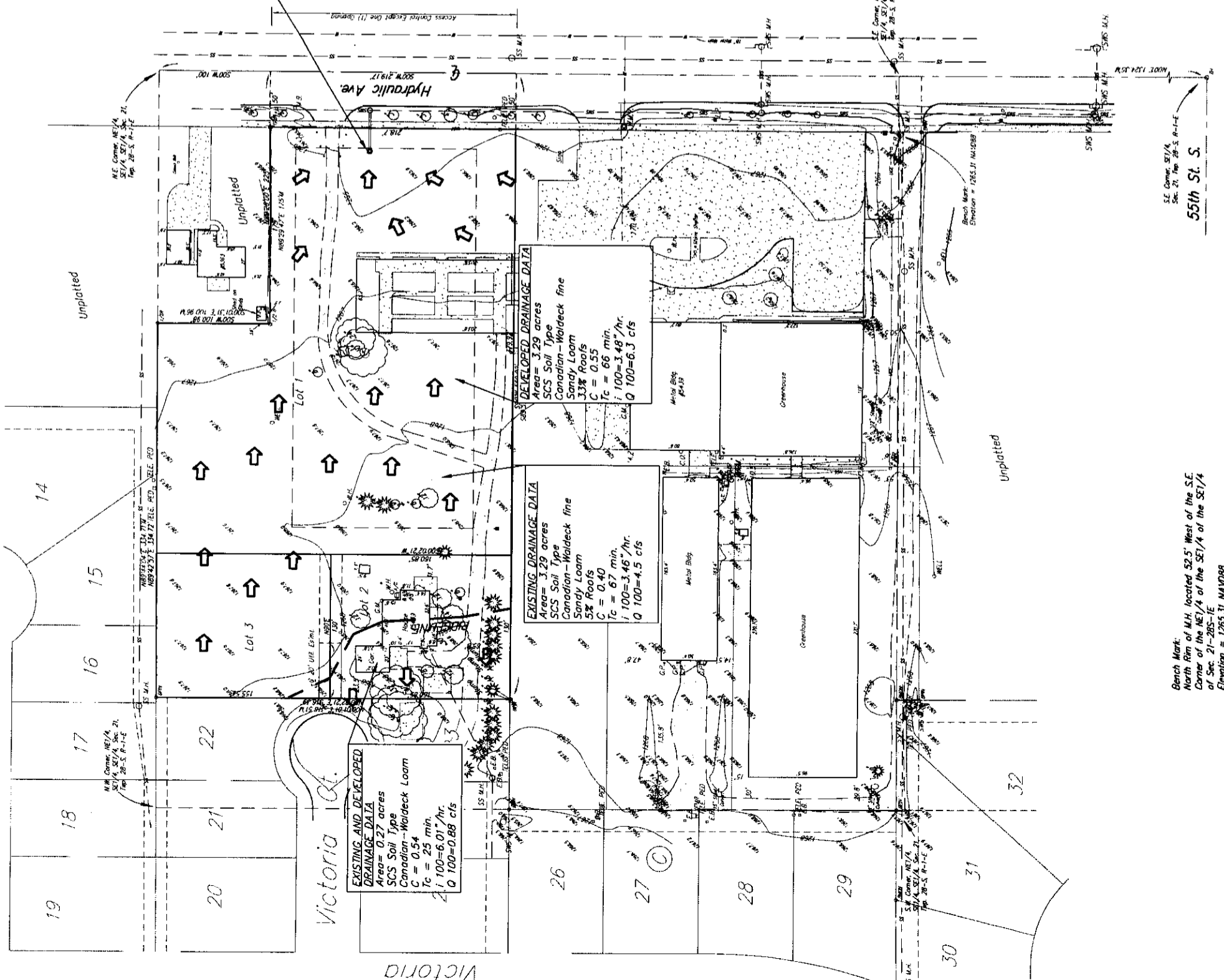
PROJ. NO. 2662429 P
CERTIFIED ENGINEERING DESIGN, P.A.
SED
 810 WEST DOUGLAS, SUITE C
 WICHITA, KANSAS 67203
 PH: (316) 262-8608
 FAX: (316) 262-1669

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY SAVOY COMPANY, P.A., 535 S. EMPORIA, SUITE 104, WICHITA, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

Savoy Company, P.A.
 Land Surveyors
 601 S. Hydraulic, Wichita, KS 67203-1911
 PH: (316) 262-4000
 FAX: (316) 262-0070
 www.savoy.com



IMPERVIOUS AREA CALCULATION
 Gross Area = 155,288 sq. ft. (3.56 acres)
 Existing Home, Out Buildings, and Drives
 Impervious Area = 15,200 sq. ft. (0.35 acres)
 Proposed Church and Paved Drive
 Impervious Area (Estimated) = 47,500 sq. ft. (1.09 acres)
 PerVIOUS Area to remain in Gross = 102,788 sq. ft. (2.36 acres)



EXISTING DRAINAGE DATA
 Area = 3.29 acres
 SCS Soil Type
 Conadon-Waldeck fine
 Sandy Loam
 5% Roots
 C = 0.40
 Tc = 67 min.
 I 100 = 3.46"/hr.
 Q 100 = 4.5 cfs

DEVELOPED DRAINAGE DATA
 Area = 3.29 acres
 SCS Soil Type
 Conadon-Waldeck fine
 Sandy Loam
 33% Roots
 C = 0.55
 Tc = 66 min.
 I 100 = 3.48"/hr.
 Q 100 = 6.3 cfs

EXISTING AND DEVELOPED DRAINAGE DATA
 Area = 0.27 acres
 SCS Soil Type
 Conadon-Waldeck Loam
 C = 0.54
 Tc = 25 min.
 I 100 = 6.01"/hr.
 Q 100 = 0.88 cfs

Bench Mark:
 North Rim of M.H. located 52.5' West of the S.E. Corner of the NE 1/4 of the SE 1/4 of Sec. 21-28S-1E
 Elevation = 1265.31 MVD088