DRAINAGE PLAN

ASCENSION LUTHERAN CHURCH 2ND ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

FORESTVIEW

400' ACCESS CONTROL EXCEPT 2 OPENINGS

MAPLE STREET

NW COR. NW 1/4, SEC. 25, TWP. 27-S, R-2-W

NE COR. NW 1/4, SEC. 25, TWP. 27-S, R-2-W

N88°59'02"E 2638.96' (M)

N88°59'02"E 400.13' (M)

NE COR. LOT 5, BLOCK A, AUBURN HILLS ADDITION

SE COR. LOT 42, BLOCK A, AUBURN HILLS ADDITION

SE COR. NW 1/4, SEC. 25, TWP. 27-S, R-2-W

S00°26'25"W 1038.34' (M,D)

KOCH PIPELINE

12" SWS
E = 34.5

E out = 34.3

Pro. Detention Pond
W.S.=128.00
Q_c = 0 cfs
Q_s = 0 cfs
Q_{100} = 4 cfs
2-Yr. W.S.=130.94
5-Yr. W.S.=132.94
100-Yr. W.S.=135.45

SSMH
RIM=140.81
E=134.24 (E)
E=133.99 (N)

SSMH
RIM=140.20
E=130.13
(PER CITY RECORD)

SSMH
RIM=140.50
E=132.02 (N)
(PER CITY RECORD)

SSMH
RIM=146.30
E=134.42
(PER CITY RECORD)

SSMH
RIM=146.10
E=133.90
(PER CITY RECORD)

SSMH
RIM=140.07
E=131.0 (S)
(PER CITY RECORD)

SSMH
RIM=144.50
E=132.39
(PER CITY RECORD)

SSMH
RIM=141.80
E=131.60
(PER CITY RECORD)

SSMH
RIM=143.38
E=134.95 (E)
E=135.04 (N)

DRNG. SSMH
RIM=142.61
E=133.96 (E)
E=132.81 (W)

10' UTIL. EASEMENT

20' DRNG. & UTIL. ESM'T

30' DRAINAGE AND UTILITY EASEMENT

AND

UTIL.

DRNG.

ESM'T.

Offsite Drainage
D.A. = 0.8 acres
Tc = 15 min
"C" $_{2/5/100}$ = .44/.46/.61
Q_c = 1.3 cfs
Q_s = 1.7 cfs
Q_{100} = 3.6 cfs

Existing Conditions
D.A. = 6.7 acres
Tc = 15 min
"C" $_{2/5/100}$ = .20/.22/.41
Q_c = 4.1 cfs
Q_s = 5.4 cfs
Q_{100} = 16 cfs
Developed Conditions
Tc = 15 min
"C" $_{2/5/100}$ = .49/.51/.66
Q_c = 13 cfs
Q_s = 16 cfs
Q_{100} = 33 cfs

Existing Conditions
D.A. = 4.1 acres
Tc = 15 min
"C" $_{2/5/100}$ = .16/.18/.37
Q_c = 2.5 cfs
Q_s = 3.4 cfs
Q_{100} = 11 cfs
Developed Conditions
D.A. = 2.8 Ac
"C" $_{2/5/100}$ = .20/.22/.41
Q_c = 2.1 cfs
Q_s = 2.8 cfs
Q_{100} = 8.5 cfs

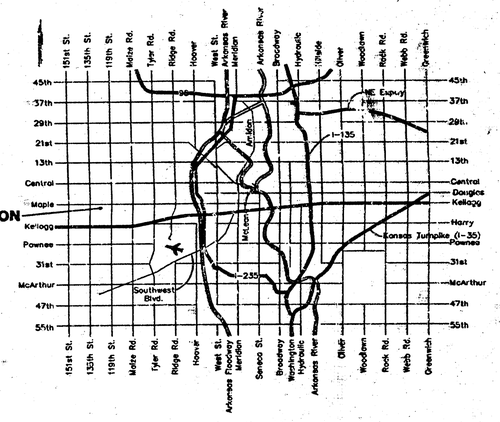
0 50 100

SCALE

⌀ = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
● = #4 REBAR W/ "BAUGHMAN" CAP (SET)
◎ = 4"X4" STONE (FOUND)
⊠ = 3/4" IRON IN THIMBLE(FOUND)
(M) = MEASURED
(D) = DESCRIBED
(P) = PLATTED
(C) = CALCULATED
(C-P) = CALCULATED PER PLATTED INFO.
(C-D) = CALCULATED PER DEED INFO.
(D&C) = DEED DESCRIPTION
(C-DESC) = CALCULATED PER TRACT DESCRIPTION

CP = Cable TV Pedestal
DI = Drop Inlet
EB = Electric Box
PP = Power Pole
Sign = Sign
SSMH = Sanitary Sewer Manhole
SWB Ped = Southwestern Bell Pedestal
Well = Cased Well
XFMR = Transformer

LOCATION



7 AUGUST 2000

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 316 ELLIS • WICHITA, KANSAS 67211

F:\HYDRO\DRAINAGE\ASCSTDRP.DWG SF

OWNER:
Ascension Lutheran Church
Attention: Pastor Solti
842 N. Tyler Road
Wichita, KS 67212
Ph: (316) 722-4694

LEGAL DESCRIPTION:
The north 1089.00 feet of the east 400.00 feet of the NW 1/4 of Sec. 25, Twp. 27-S, R-2-W of the 6th P.M., Sedgwick County, Kansas.

BENCHMARK:
COW benchmark SE corner hubguard on Forestview, 86.00 North of centerline of Maple. Elev.=135.66 City Datum

Drainage Note:
Soil Type: Vanoss (B) / Hydrologic Group "B"