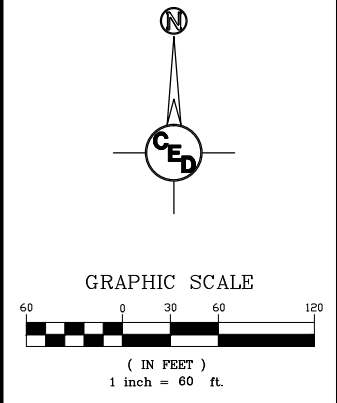


DRAINAGE PLAN

FAWSON ACRES ADDITION

NE Quarter, Sec 12, Township 27 South, Range 2 West, SEDGWICK COUNTY, KANSAS

REV.	DESCRIPTION	DATE

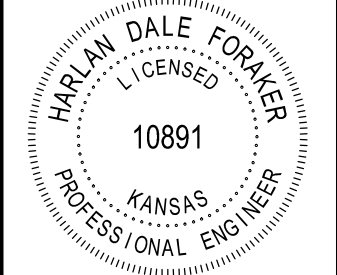


**FAWSON ACRES
ADDITION**
SEDGWICK COUNTY, KS

CERTIFIED ENGINEERING DESIGN, P.A.
CIVIL ENGINEERING SERVICES

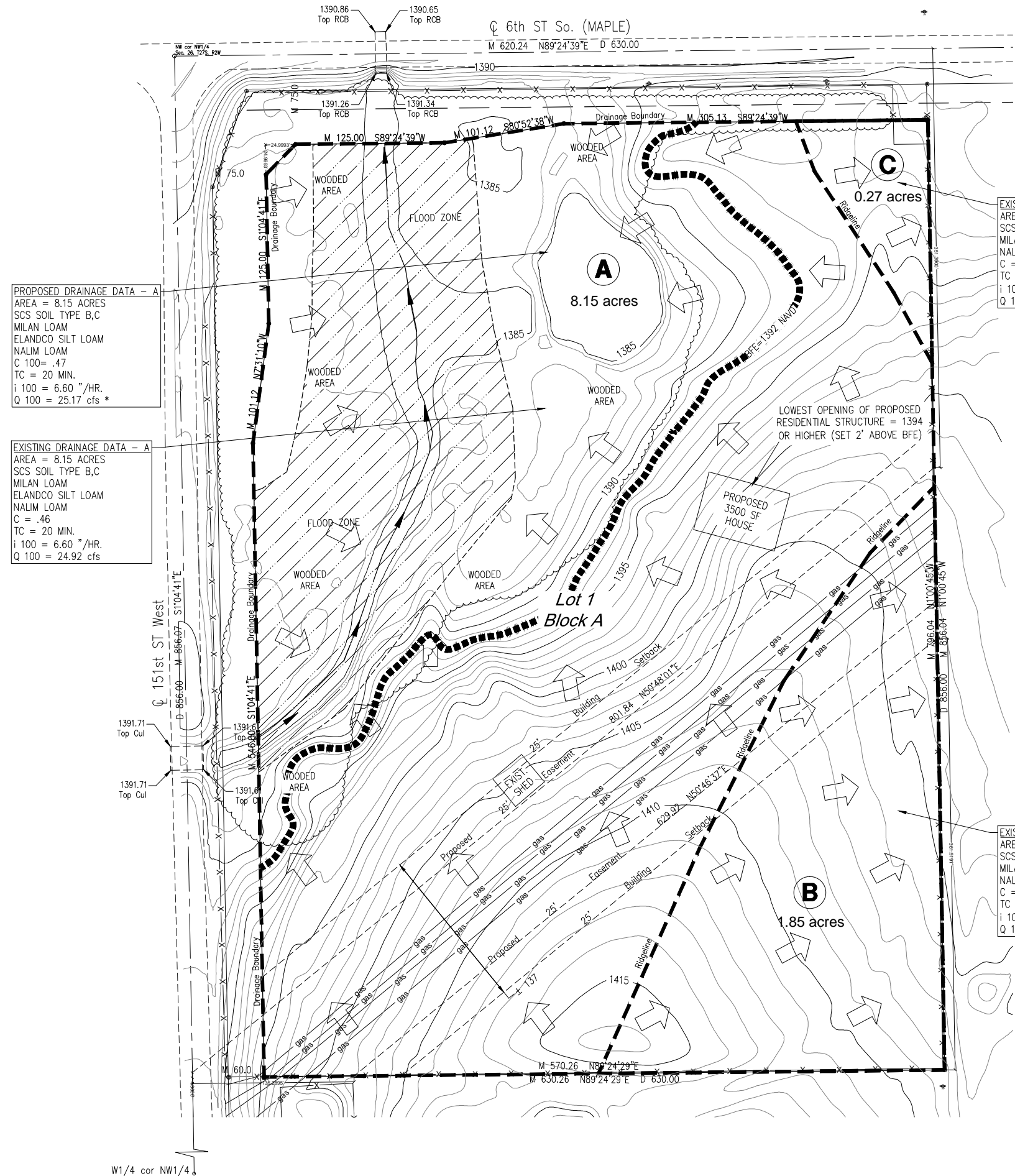


1935 WEST MAPLE STREET
WICHITA, KANSAS 67213
PH.(316)262-8808 FAX.(316)262-1669



PROJECT NO.: 20122062
ISSUE DATE: SEPTEMBER 2012
CONTACT: H. FORAKER
CHECKED BY:

DRAINAGE PLAN



PROPOSED DRAINAGE DATA - A
AREA = 8.15 ACRES
SCS SOIL TYPE B,C
MILAN LOAM
ELANDCO SILT LOAM
NALIM LOAM
C = .47
TC = 20 MIN.
i 100 = 6.60 "/HR.
Q 100 = 25.17 cfs *

EXISTING DRAINAGE DATA - A
AREA = 8.15 ACRES
SCS SOIL TYPE B,C
MILAN LOAM
ELANDCO SILT LOAM
NALIM LOAM
C = .46
TC = 20 MIN.
i 100 = 6.60 "/HR.
Q 100 = 24.92 cfs

EXISTING DRAINAGE DATA - C
AREA = 0.27 ACRES
SCS SOIL TYPE B,C
MILAN LOAM
NALIM LOAM
C = .49
TC = 15 MIN.
i 10 = 7.40 "/HR.
Q 100 = 0.98 cfs

EXISTING DRAINAGE DATA - B
AREA = 1.85 ACRES
SCS SOIL TYPE B,C
MILAN LOAM
NALIM LOAM
C = .52
TC = 19 MIN.
i 100 = 6.74 "/HR.
Q 100 = 6.47 cfs

LEGAL DESCRIPTION:
A tract of land in the Northwest Quarter of Section 26, Township 27 South, Range 2 West of the Sixth Principal Meridian, Sedgwick County, Kansas, described as follows:

Beginning at the Northwest corner of said Northwest Quarter of Section 26; THENCE South 856 feet; THENCE East 630 feet; THENCE North 856 feet; THENCE West 630 feet to the point of beginning, EXCEPT that part described as a triangular tract of land lying in the Northwest Quarter of Section 26, Township 27 South, Range 2 West of the 6th P.M., Sedgwick County, Kansas, more particularly described as follows: Beginning at a point 30.00 feet South of the North line of said Section and 30.00 feet East of the West line of said Section; THENCE Easterly parallel with the North line of said Section 30.00 feet; THENCE Southwesterly to a point 80.00 feet Southerly from the point of beginning and 30.00 feet East of the West line of said Section; THENCE Northerly parallel with the West line of said Section 80.00 feet to the point of beginning.

OWNER:
Richard G. & Elizabeth M. Fawson
14200 W. Onewood Pl., Unit 7
Wichita, Kansas 67235
Phone: 316 945 4322

SF-5 - Single Family

CONTROL NUMBER:
483233

BENCHMARK:
City of Wichita Disc
176.35' E. & 21.05' N. of
N.W. Corner N.W. 1/4,
Sec 26, T27S, R2WE.
Elevation=1390.78 NAVD88

GROSS SIZE OF PLAT:
494,485.11 Sq. Ft.
11.35 Acres

NET SIZE OF PLAT:
447,396.36 Sq. Ft.
10.27 Acres

ZONING:

- DRAINAGE LEGEND**
- Drainage Flow Direction (Concentrated)
 - Drainage Flow Direction (Sheet Flow)
 - Drainage Basin
 - Drainage Ridgeline
 - Floodplain Limits Line

Existing Sub-basins = 32.37 cfs
Proposed Sub-basins = 32.62 cfs
Increased +0.25 cfs

PROPOSED LAND USE:
One 3500 S.F. Commercial Property with remainder of Lot to be native or pasture grass.

* A slight increase in the peak discharge results from the development of this site. However, the peak discharge shall be maintained as sheet flow as it exits the site and the impact of the increase in peak discharge should not be detrimental.

IMPERVIOUS AREA CALCULATION

Net Area=447,396.36 sq.ft. (10.27 acres)

Proposed Residential Site
3,500 sq.ft. Building (0.08 acres)

Pervious Area to be in Grass
443,896.36 sq.ft. (10.19 acres)

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY ARMSTRONG LAND SURVEY, P.A., 1601 E. HARRY, WICHITA, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

W1/4 cor NW1/4