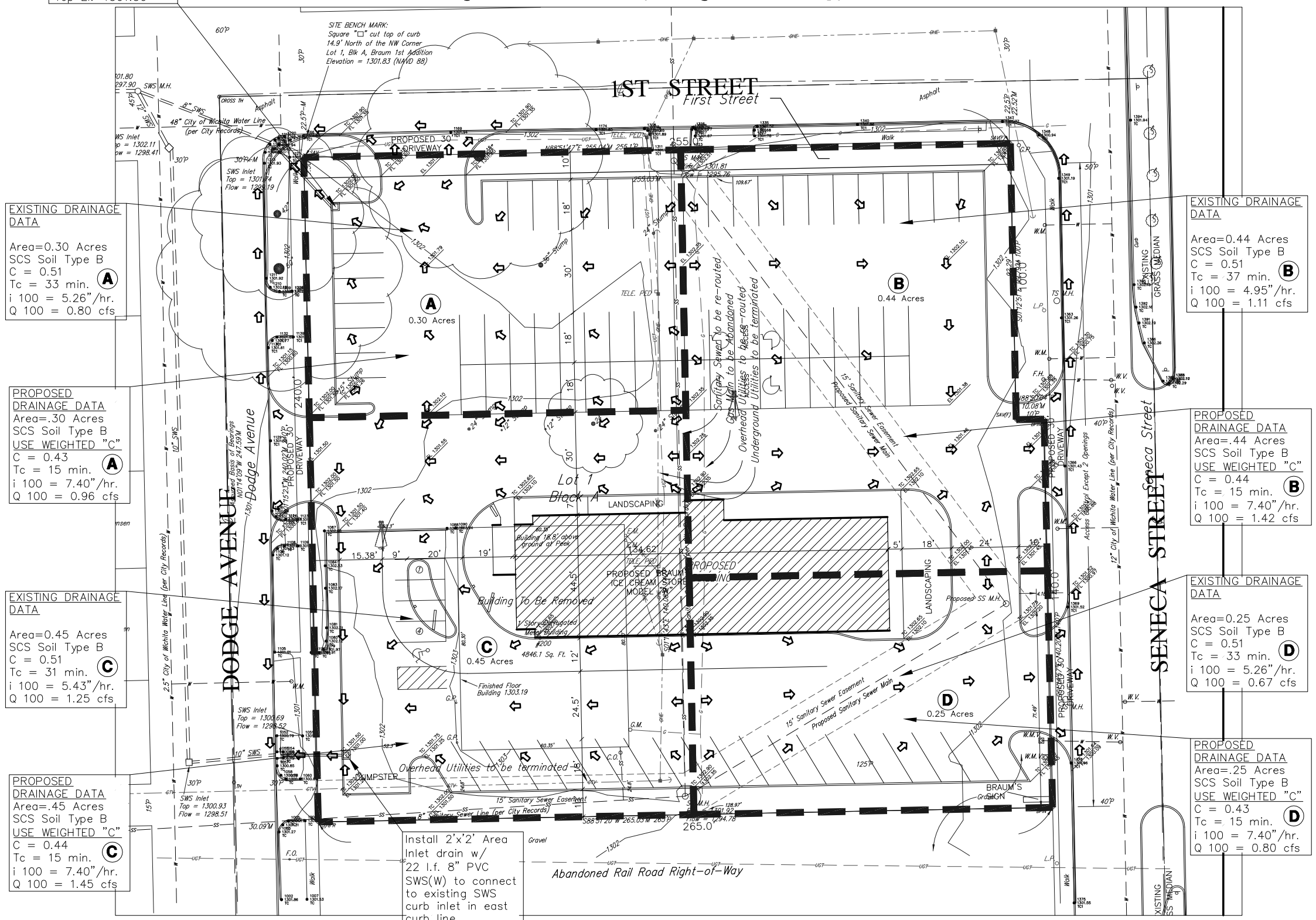
DRAINAGE PLAN
BRAUM 1ST ADDITION
NE 1/4, SE 1/4, Sec 19, Township 27 South, Range 1 East Wichita, Sedgwick County, Kansas

Install 2'x2' Area Inlet drain w/ 30 l.f. 8" PVC SWS (NW) to connect to existing SWS curb inlet in southeast curb radius
FL Out=1299.35
Top El.=1301.50



EXISTING DRAINAGE DATA
Area=0.30 Acres
SCS Soil Type B
C = 0.51
Tc = 33 min.
i 100 = 5.26"/hr.
Q 100 = 0.80 cfs
(A)

PROPOSED DRAINAGE DATA
Area=.30 Acres
SCS Soil Type B
USE WEIGHTED "C"
C = 0.43
Tc = 15 min.
i 100 = 7.40"/hr.
Q 100 = 0.96 cfs
(A)

EXISTING DRAINAGE DATA
Area=0.45 Acres
SCS Soil Type B
C = 0.51
Tc = 31 min.
i 100 = 5.43"/hr.
Q 100 = 1.25 cfs
(C)

PROPOSED DRAINAGE DATA
Area=.45 Acres
SCS Soil Type B
USE WEIGHTED "C"
C = 0.44
Tc = 15 min.
i 100 = 7.40"/hr.
Q 100 = 1.45 cfs
(C)

Install 2'x2' Area Inlet drain w/ 22 l.f. 8" PVC SWS(W) to connect to existing SWS curb inlet in east curb line
FL Out=1299.00
Top El=1301.50

EXISTING DRAINAGE DATA
Area=0.44 Acres
SCS Soil Type B
C = 0.51
Tc = 37 min.
i 100 = 4.95"/hr.
Q 100 = 1.11 cfs
(B)

PROPOSED DRAINAGE DATA
Area=.44 Acres
SCS Soil Type B
USE WEIGHTED "C"
C = 0.44
Tc = 15 min.
i 100 = 7.40"/hr.
Q 100 = 1.42 cfs
(B)

EXISTING DRAINAGE DATA
Area=0.25 Acres
SCS Soil Type B
C = 0.51
Tc = 33 min.
i 100 = 5.26"/hr.
Q 100 = 0.67 cfs
(D)

PROPOSED DRAINAGE DATA
Area=.25 Acres
SCS Soil Type B
USE WEIGHTED "C"
C = 0.43
Tc = 15 min.
i 100 = 7.40"/hr.
Q 100 = 0.80 cfs
(D)

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

LEGAL DESCRIPTION:

Parcel 1:
Lot 1, Joe's Addition, Wichita, Sedgwick County, Kansas

Parcel 2:
Lots 21, 23, 25, 27 and 29 on Seneca Street, in Martinson's Addition to West Wichita, Sedgwick County, Kansas together with the East Half of Vacated Alley adjoining said Lots 21, 23, 25, 27 and 29 on the west and together with Vacated Pearl Street as platted in said Martinson's 2nd Addition, adjoining said Lot 21 and said East Half of vacated alley on the South.

Parcel 3:
Lots 22, 24, 26, 28 and 30, Dodge Avenue, Martinson's 2nd Addition to West Wichita, Sedgwick County, Kansas, together with the West Half of vacated alley adjoining said Lots 22, 24, 26, 28 and 30 on the East and together with Vacated Pearl Street as platted in said Martinson's 2nd Addition, adjoining said Lot 22 and said West Half of vacated alley on the South.

Parcel 4:
Lots 32, 34, 36 and 38 on Dodge Avenue, Martinson's Sixth Addition to Wichita, Sedgwick County, Kansas. together with the West Half of Vacated North-South Alley lying East of Lots 32, 34, 36 and 38.

BENCHMARK:
Square "□" cut top of curb, 14.9' North of the NW Corner, Lot 1, Block A, Braums 1st Addition.
Elevation = 1301.83 NAVD 88

ZONING:
GC & LI

AREA:
62,593.04 sq.ft.±, 1.44 Acres±(GROSS)
59,275.32 sq.ft.±, 1.36 Acres±(NET)

DATE SURVEYED:
May 15, 2009

SURVEYOR:
Savoy Company, P.A.
Land Surveyors
433 S. Hydraulic
Wichita, KS 67211-1911
(316) 265-0005

ENGINEER:
Harlan Foraker, P.E.
Certified Engineering Design, P.A.
810 W. Douglas, Suite C
Wichita, KS 67203
(316) 262-8808

OWNER:
Retail Buildings, Inc.
Elaine Braum, President
3000 NE 63rd St
Oklahoma City, OK 73121

CONTROL NO'S:
199783, 199784, 199789, 199790, 199791, 200111, 200112, 23092

HARLAN DALE FORAKER
LICENSED
10891
KANSAS
PROFESSIONAL ENGINEER

IMPERVIOUS AREA CALCULATION

Gross Area =62593.04 sq.ft. (1.44 acres)

Proposed Building, Driveway and Walk Impervious Area=53,490.00 sq.ft. (1.23 acres)

Pervious Area to be in Grass=9,103.04 sq.ft. (0.21 acres)

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY GARBER SURVEYING SERVICE, PA 2908 N. PLUM STREET, HUTCHINSON, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

LEGEND:

P = Platted
M = Measured
C = Calculated
D = Described

G = GAS MAIN
W = WATER MAIN
SS = SANITARY SEWER
SWS = STORM WATER SEWER
UGE = UNDER GROUND ELECTRIC
UGT = UNDER GROUND TELEPHONE

PROPOSED DRAINAGE DIRECTION
5/8" R ..... 5/8" REBAR (FOUND)
BPIN ..... 1/2" REBAR W/BAUGHMAN CAP (FOUND)
MACON ..... 1/2" REBAR W/MACON CAP (FOUND)
TH ..... CITY OF WICHITA CONTROL (FOUND)
SAV ..... 1/2" REBAR W/SAVOY CAP (SET)
SAV(F) ..... 1/2" REBAR W/SAVOY CAP (FOUND)

TELE. PED ..... TELEPHONE PEDESTAL
E.B. ..... ELECTRIC BOX
G.M. ..... GAS METER
W.M. ..... WATER METER
W.V. ..... WATER VALVE
F.H. ..... FIRE HYDRANT

M.W. ..... MONITOR WELL
C.O. ..... CLEAN OUT
L.P. ..... LIGHT POLE
POWER POLE
HIGH LINE POLE
GUY ANCHOR

SIGN
G.P. ..... GUARD POST
SWS M.H. ..... STORM WATER SEWER MANHOLE
SS M.H. ..... SANITARY SEWER MANHOLE
G.P. ..... GUY POLE
F.O. ..... FIBER OPTIC MARKER

DRAINAGE PLAN
BRAUM 1ST ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS
PROJ. NO.: 2009????

CERTIFIED ENGINEERING DESIGN, P.A.
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: ENGINEER HDF	SCALE: SCALE 1"=20'	SHEET 1
DRAWN: DRAWN CC	DATE: DATE May 2009	
CHECKED: ENGINEER HDF	CED FILE: BraumsDPBase	TOTAL 1