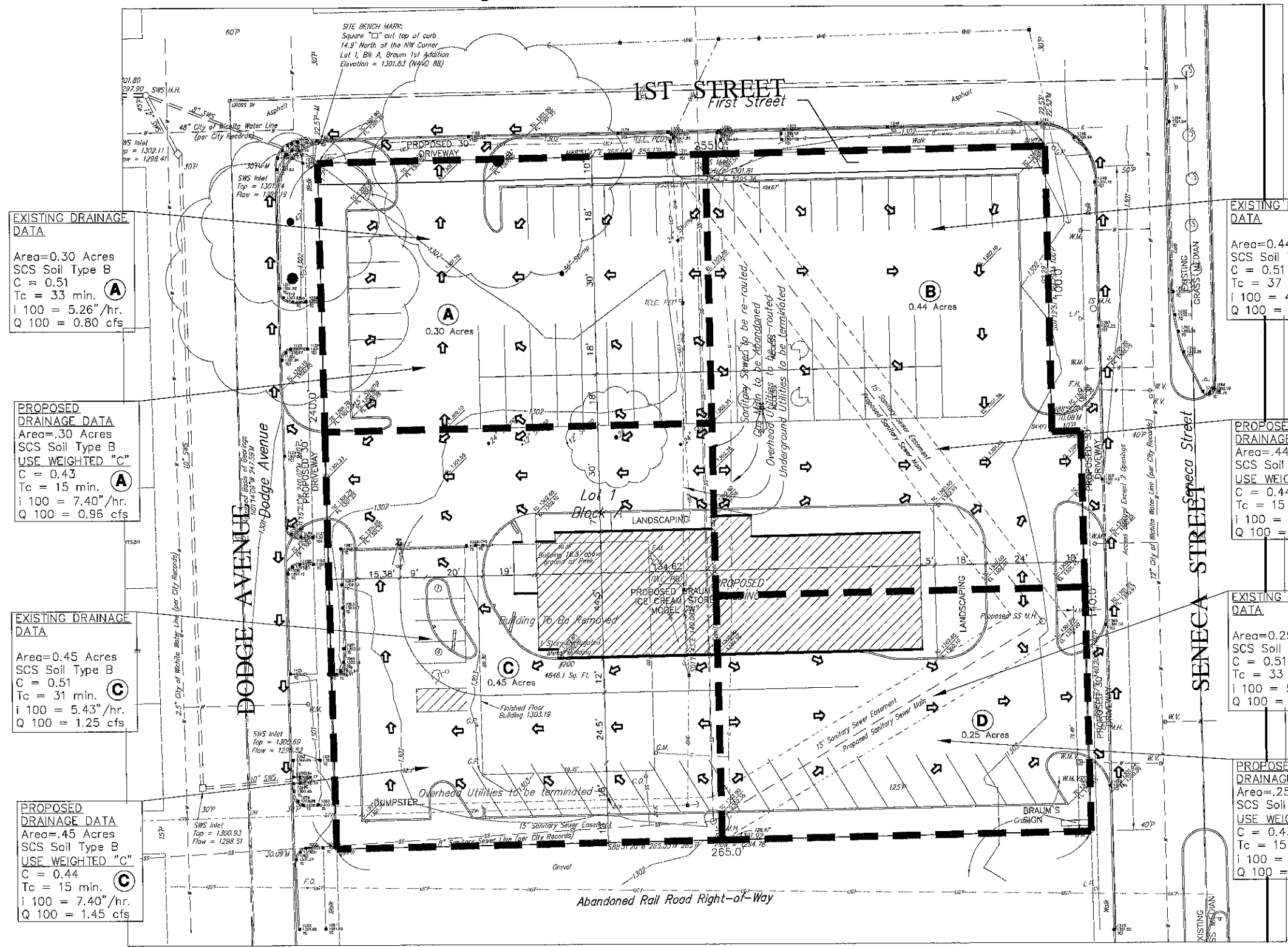
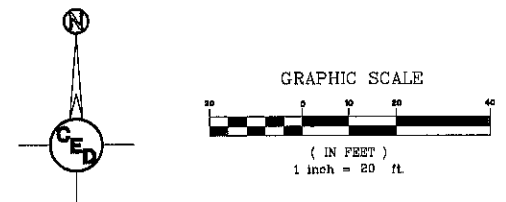


# DRAINAGE PLAN

## BRAUM 1ST ADDITION

NE 1/4, SE 1/4, Sec 19, Township 27 South,  
Range 1 East Wichita, Sedgwick County, Kansas



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

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

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

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

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

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

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

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

**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 67203  
 (316) 265-0005

**ENGINEER:**

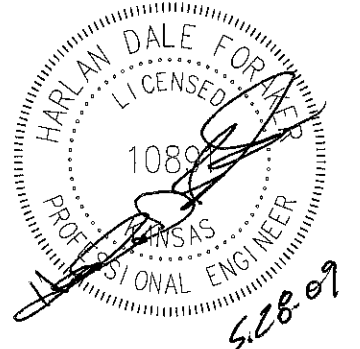
Harlan Foraker, P.E.  
 Certified Engineering Design, P.A.  
 810 W. Douglas, Suite C  
 Wichita, KS 67203  
 (316) 262-8808

**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



**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 GARDNER 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:**

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

- 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

<b>DRAINAGE PLAN</b>		
<b>BRAUM 1ST ADDITION</b>		
WICHITA, SEDGWICK COUNTY, KANSAS		
PROJ. NO.: 2009????		
<b>CERTIFIED ENGINEERING DESIGN, P.A.</b>		
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	GED FILE: BraumsDPBase	TOTAL 1