

DRAINAGE PLAN FOR
BALTHROP 4TH ADDITION
TO WICHITA, SEDGWICK COUNTY, KANSAS
PART OF SE 1/4 SEC. 15, T 27S, R2E.

- NOTES
1. BRACKEN/TIPPERARY/WHITE TAIL LOOP USES
6 5/8" CURB AND 0.7' WALK GRADE.
 2. OTHER STREETS ARE 3 5/8" CURB AND 0.4" WALK GRADE
 3. ALL PIPES AND BOX CULVERTS CONCRETE (n=0.013)

SCALE: 1"=100'

B.M. - CHISELED "C" IN CENTER CONCRETE HEADWALL
TO R.C.B. 24.5' SOUTH AND 56.7' WEST OF THE
INTERSECTION OF THE CENTERLINES OF CENTRAL
AND GREENWICH.
ELEV.=1376.228 M.S.L.

LEGEND

- STORM WATER SEWER
- 1.53% FLOW DIRECTION
- MANHOLE
- INLET
- (123) STORM SEWER NODE
- AA BASIN DESIGNATION
- SPOT ELEV. (ADD 1300 FOR MSL)
- HP HIGH POINT
- LP LOW POINT
- TC TOP OF CURB
- ℓ FLOWLINE
- ➔ MAJOR STORM FLOW
- MAJOR BASIN BOUNDARY
- - - MINOR BASIN BOUNDARY
- ➔ 100 YR EVENT DRAINAGE

SEE SUPPORTING CALCULATIONS FOR HYDROLOGY

Michael W. Deery
1-29-02

PP
DA=32.0 AC
C = 0.56
16.5 sq. ft. RCPHE
Q100 = 101 CFS
TC = 27 MIN.

QQ
DA=54.0 AC
C = 0.51
3-8.50' sq. ft. RCPHE
Q100 = 149 CFS
TC = 30 MIN.

DETENTION BASIN
KTP ADDITION
STATIC POOL = 1351.0
HW100 = 1374.0

BALTHROP ADDITION

KTP ADDITION

K-96 BYPASS