



PART OF CHERRY CREEK HILLS

SCALE: 1" = 100'

DETENTION POND (AREA A AND C)
 100 YR. W.S. = 177.3
 0100 IN = 76 CFS
 0100 OUTF = 31 CFS
 OUTFLOW PIPE = 24" RCP
 OUTFLOW ELEVATION = 173.50
 STATIC POOL (IF DESIRED) = 173.50
 AREA @ 174.0 = 31,800 S.F.
 AREA @ 177.0 = 39,200 S.F.
 CONNECT TO INLET ALONG PANNEE

AREA C = 3.70 ACRES
 C_s = 0.60
 T_c = 15 MINUTES
 I_a = 4.56"/HR.
 I_{pe} = 7.37"/HR.
 Q_s = 11.6 CFS
 Q_{pe} = 21.8 CFS

AREA B = 0.75 ACRES
 C_s = 0.60
 T_c = 15 MINUTES
 I_a = 4.56"/HR.
 I_{pe} = 7.37"/HR.
 Q_s = 2.4 CFS
 Q_{pe} = 4.4 CFS

24" RCP AT 0.75%

24" RCP AT 0.75%

18" RCP AT MIN. GRADE

UNPLATTED
 DRAINAGE ALONG WEST LINE TO BE DIRECTED TO STORM WATER SEWER BY SWALE OR PIPE EXTENSION

UNPLATTED

BRAY LINES
 2ND ADDITION

DRAINAGE PLAN	
THE PLAZA AT CHERRY CREEK HILLS ADDITION	
SRB	824 NORTH MAIN WICHITA, KANSAS 67203 http://www.srb.com
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PROJECT NUMBER	
DESIGN	DATE
DRAWN	1-5-98
UTILITY	REVISED
REVIEW	1-5-99
SHEET 1 OF 1	