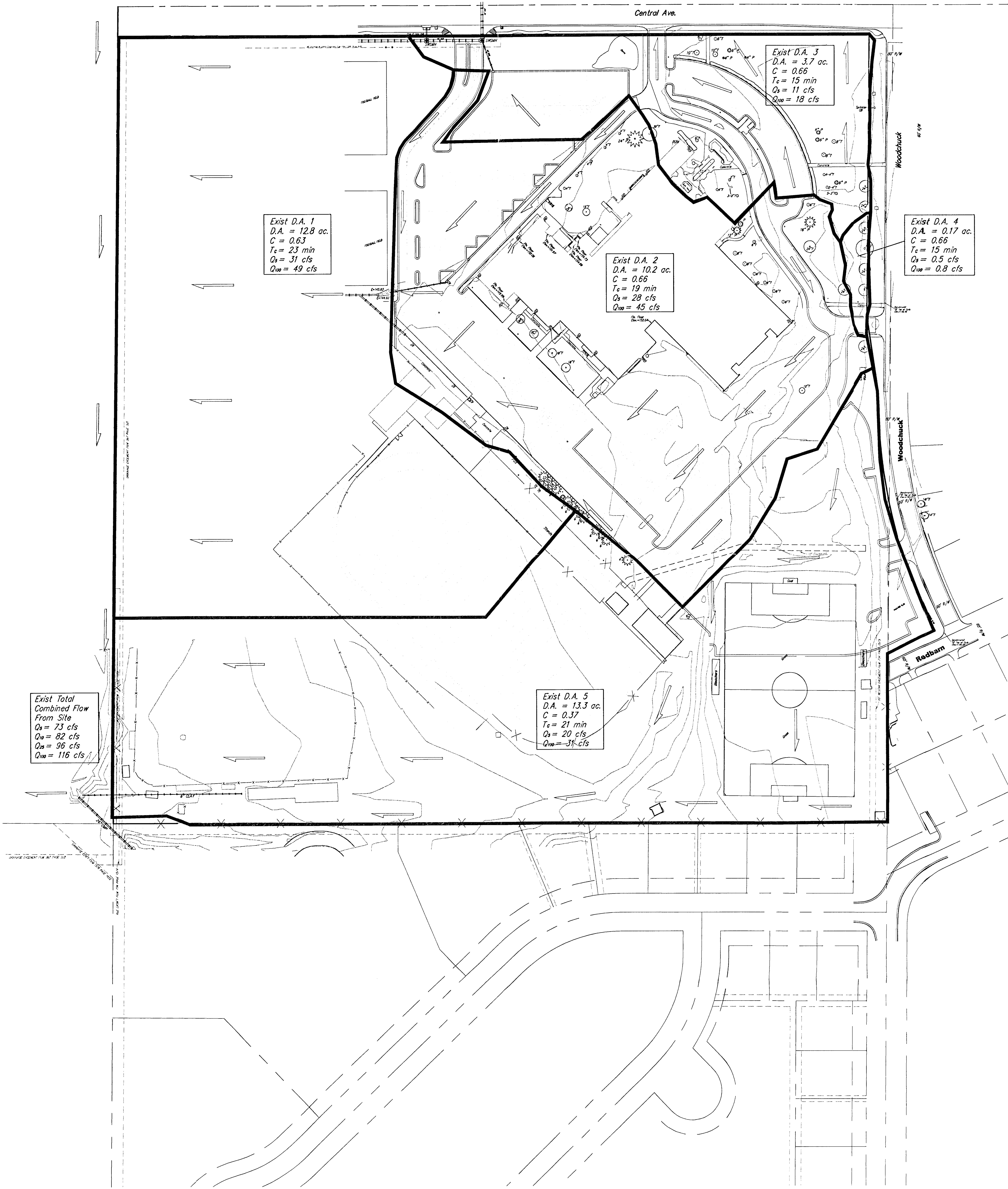


DRAINAGE EXHIBIT - EXISTING CONDITIONS

BISHOP CARROLL CATHOLIC HIGH SCHOOL

WICHITA, SEDGWICK COUNTY, KANSAS



Exist Total
Combined Flow
From Site
 $Q_p = 73 \text{ cfs}$
 $Q_{100} = 82 \text{ cfs}$
 $Q_{100} = 96 \text{ cfs}$
 $Q_{100} = 116 \text{ cfs}$

Exist D.A. 1
D.A. = 12.8 ac.
 $C = 0.63$
 $T_c = 23 \text{ min}$
 $Q_p = 31 \text{ cfs}$
 $Q_{100} = 49 \text{ cfs}$

Exist D.A. 2
D.A. = 10.2 ac.
 $C = 0.66$
 $T_c = 19 \text{ min}$
 $Q_p = 28 \text{ cfs}$
 $Q_{100} = 45 \text{ cfs}$

Exist D.A. 3
D.A. = 3.7 ac.
 $C = 0.66$
 $T_c = 15 \text{ min}$
 $Q_p = 11 \text{ cfs}$
 $Q_{100} = 18 \text{ cfs}$

Exist D.A. 4
D.A. = 0.17 ac.
 $C = 0.66$
 $T_c = 15 \text{ min}$
 $Q_p = 0.5 \text{ cfs}$
 $Q_{100} = 0.8 \text{ cfs}$

Exist D.A. 5
D.A. = 13.3 ac.
 $C = 0.37$
 $T_c = 21 \text{ min}$
 $Q_p = 20 \text{ cfs}$
 $Q_{100} = 31 \text{ cfs}$

NOTE:
Site currently located in FEMA Zone X per FEMA FIRM
Panel 300 of 700, for Sedgwick County, Kansas, Map
number 201300300E, Effective February 2, 2007.