



SCALE: 1" = 30'

LEGEND

- SPOT ELEVATION
- HP HIGH POINT ELEVATION
- MATCH EXISTING ELEVATION
- TC TOP OF CURB ELEVATION
- H FLOWLINE ELEVATION
- 6" TRANSITION TO NO HEIGHT CURB

\* CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO CONSTRUCTION

SHEET NO. 36-08758-5526  
 DATE: 02/09/09  
 DRAWN BY: AEC  
 CHECKED BY: IDK  
 PROJECT: OAK CREEK OFFICE PARK  
 LOCATION: WICHITA, KANSAS

**DRAINAGE CALCULATIONS**

DRAINAGE BASIN = 3.34 ACRES

Pv: Tc = 15 minutes

Post: Tc = 10 minutes

Pv: Q(100) = 16.72 cfs

Post: Q(100) = 23.60 cfs

23.60 cfs = 16.72 cfs = 6.88 cfs

**SITE INFORMATION**

TOTAL SITE AREA = 3.34 AC. (145,478 SQ.FT.)

IMPERVIOUS AREA = 2.29 AC. (99,925 SQ.FT.) OR 69%

PERVIOUS AREA = 1.05 AC. (45,553 SQ.FT.) OR 31%

**IMPERVIOUS AREA BREAKDOWN**

PROPOSED BUILDINGS = 0.76 AC. (33,028 SQ.FT.)

PAVEMENT = 1.53 AC. (66,897 SQ.FT.)



No.	Revision	By	Date
<b>DRAINAGE PLAN</b> <b>OAK CREEK OFFICE PARK</b> <b>WICHITA, KANSAS</b>			
<b>Professional Engineering Consultants, P.A.</b> <small>303 S. WOODWARD, WICHITA, KANSAS 67202</small> <small>316.262.2001 • FAX 316.262.2004</small>			
Designed by	IDK	Job No.	36-08758-5526
Drawn by	AEC	Date	FEBRUARY 2009
			Sht. 1 of 4