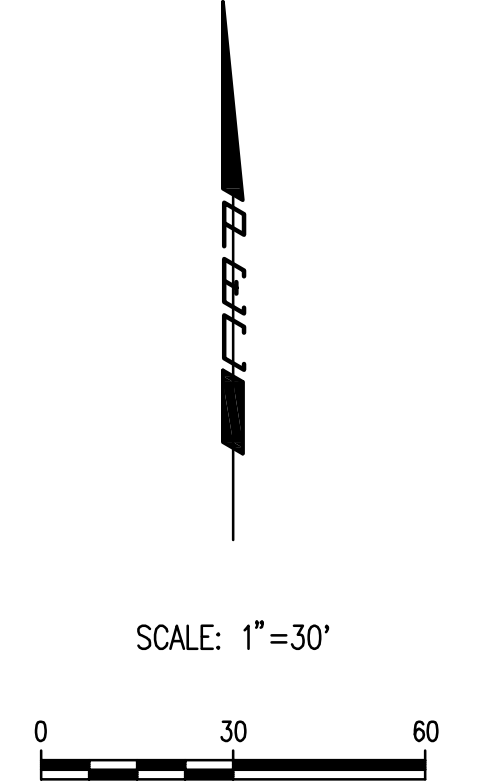


Storm Sewer System Line No. 1
See Sheet C2.4 for City of Wichita
Private Sewer Plans.
Std. Type 1 Curb Inlet w/ 10'-6"
Opening L = 11'-4", W = 4'-8"
Top Elev. = 1374.43
FL = 1368.69'



- LEGEND**
- SPOT ELEVATION
 - HIGH POINT ELEVATION
 - MATCH EXISTING ELEVATION
 - TOP OF CURB ELEVATION
 - FLOWLINE ELEVATION
 - 6' TRANSITION TO NO HEIGHT CURB
- * CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO CONSTRUCTION

Served 05-06-2009 11:02:58 AM by AEE
 Plot Scale 1:30 05-06-2009 11:04:41 AM
 G:\2007\07761\Drainage Display Map-Preliminary\07761-Drainage Plan Office Park

DRAINAGE CALCULATIONS

DRAINAGE BASIN = 3.34 ACRES

Pre Tc = 15 minutes
Post Tc = 10 minutes

Pre 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
REVISED DRAINAGE PLAN OAK CREEK OFFICE PARK WICHITA, KANSAS			
Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	IDK	Job No.	36-08758-5526
Drawn by	AEE	Date	MAY 6, 2009