SEE SHEET 22

SEE SHEET 23

A=0.66AC
Q=0.16CFS
(PI=2.64)

A=1.76AC
Q=4.65CFS
(PI=2.64)

A=0.73AC
Q=1.93CFS
(PI=2.64)

A=0.68AC
Q=1.80CFS
(PI=2.64)

TQ=19.64CFS
A=0.13AC
Q=0.34CFS
(PI=2.64)

TQ=19.30CFS

TQ=3.73CFS

TQ=16.48CFS

TQ=9.66CFS

TQ=11.11CFS

A=0.95AC
Q=1.45CFS
(PI=2.64)

TQ=7.52CFS

A=0.62AC
Q=1.64CFS
(PI=2.64)

A=0.82AC
Q=2.16CFS
(PI=2.64)

A=0.25AC
Q=0.66CFS
(PI=2.64)

TQ=18.64CFS

TQ=5.98CFS

LIMITS OF "ZONE X"
PER FIRM MAPS

50'W UNDISTURBED DRAINAGE EASEMENT

DRAINAGE EASEMENT

CULVERT DRAINAGE AREA
TOTAL ACREAGE =64.17AC

RESIDENTIAL AREA = 55.67 AC
INDUSTRIAL AREA = 8.50

25 YEAR STORM TQ = 271.86 CFS
PI(RES)=3.26 PI(IND)=4.75

50 YEAR STORM TQ = 251.15 CFS
PI(RES)=3.69 PI(IND)=5.38

100 YEAR STORM TQ= 283.82 CFS
PI(RES) = 4.17 PI(IND)=6.08

PROPERTY OF
ERIC & MARY ANN
BOLLINGER
1359.15'

PROPERTY OF
ERIC & MARY ANN
BOLLINGER
668.19'

N89°19'40"W

S00°10'53"E

PROPERTY N/F
THE CITY OF O'FALLON, MO.
574/461
ZONED I-1

PROPERTY N/F
MICHAEL GRECO
1488/1492
ZONED I-1

PROPERTY LINE AS DESCRIBED IN BOUNDARY LINE AGREEMENT RECORDED IN BOOK 326 PAGE 283 OF THE ST. CHARLES COUNTY RECORDS

DUCHESNE AVE.

ORF AVENUE

SANITARY MANHOLE
TOP = 453.34
FL = 441.84

Design Run-off Factors:

Run-off factors based upon zoning and use for the fifteen (15) year design storm frequency are as follows:

Predeveloped Conditions	1.87
Single-family (10,000 sq.ft. or less)	2.64
Commercial & Industrial	3.85

THIS SHEET FOR DRAINAGE AREAS ONLY!

STATE OF MISSOURI
JEFFREY L. BRAUN
NUMBER 2006
REGISTERED PROFESSIONAL ENGINEER

ISSUE	DATE – REMARKS
1	1/25/05 – Submittal to city for review.
2	6/15/05 – Revised per city's review.
3	7/29/05 – Revised per city's review.

The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the professional engineer in responsible charge. Such responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.

PREPARED BY:
LIBERTY
ENGINEERING, L.L.C.
P.O. Box 2 – Cottleville, MO 63338 Phone: (636) 244-5333

RESIDENTIAL - COMMERCIAL - MUNICIPAL

PREPARED FOR:
KAPLAN DEVELOPMENT, LLC
P.O. BOX 340
ST. PETERS, MO 63376
(636) 946-8971

PROJECT:
WABASH WOODS
PHASE ONE
DRAINAGE PLAN

PROJECT NO: 04021-00
DESIGNED BY:
DRAWN BY:
CHECKED BY:
SHEET NO: 24 OF 31