NOTES:

1. RAINFALL INTENSITY "I" – 15 YR, 20 MINUTE: I = 4.58
2. PRE-DEVELOPMENT "P" FACTOR – 5% FOR 1 ACRE LOTS: P = 0.37
3. PRE-DEVELOPMENT PI = 1.69
4. POST DEVELOPMENT "P" FACTOR – 30% FOR 1 ACRE LOTS: P = 0.48
5. POST DEVELOPMENT PI – 2.20

MEADOWS AT ROYAL OAKS ADDITION NO. 2
PLAT BOOK 35, PAGE 1
ZONED R-1 CITY OF O'FALLON

CITY OF ST. PAUL
CITY OF O'FALLON

SECT. 7 / SECT. 18

R 3 E
R 2 E

S 00°50'48" W 418.67' (SUR.)
S 00°50'08" W 419.27' (REC.)

LOT 68
LOT 69
LOT 7
LOT 8
LOT 9
LOT 10
LOT 11
LOT 12
LOT 13
LOT 14
LOT 15
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1

SIGMUND FARM ESTATES
PLAT BOOK 25, PAGE 95
ZONED "AGRICULTURAL" CITY OF ST. PAUL

S 89°41'07" E 647.75' (REC. & SUR.)

Area: 3.74 Ac.
15yr. Q: 7.39 Cfs.
100yr. Q: 11.22 Cfs.

NOW OR FORMERLY
O'FALLON PUBLIC FACILITIES AUTHORITY
BOOK 2134, PAGE 1610
UNZONED CITY OF O'FALLON

S 87°55'47" W 332.86' (SUR.)
S 87°55'17" W 333.03' (REC.)

EXISTING
WATER TOWER

Area: 2.50 Ac.
15yr. Q: 5.54 Cfs.
100yr. Q: 7.50 Cfs.

NOW OR FORMERLY
FORT ZUMWALT SCHOOL DISTRICT
BOOK 486, PAGE 512
UNZONED CITY OF O'FALLON

S 01°19'47" W 710.36' (SUR.)
S 01°19'47" W 710.00' (REC.)

CITY OF O'FALLON
CITY OF ST. PAUL

Area: 2.90 Ac.
15yr. Q: 6.43 Cfs.
100yr. Q: 8.70 Cfs.

RIP RAP
580 SF

RD-SWALE RETENTION BASIN NO. 1
4' DEEP AT DITCH CHECK
APPROX. 30'X130'
DITCH CHECK ELEV. 552.00'

Area: 1.53 Ac.
15yr. Q: 3.39 Cfs.
100yr. Q: 4.59 Cfs.

Area: 1.02 Ac.
15yr. Q: 2.26 Cfs.
100yr. Q: 3.06 Cfs.

Area: 1.0 Ac.
15yr. Q: 2.21 Cfs.
100yr. Q: 3.00 Cfs.

Area: 2.30 Ac.
15yr. Q: 5.10 Cfs.
100yr. Q: 6.90 Cfs.

Area: 1.58 Ac.
15yr. Q: 3.5 Cfs.
100yr. Q: 4.74 Cfs.

RD-SWALE RETENTION BASIN NO. 2
4' DEEP AT DITCH CHECK
APPROX. 30'X130'
DITCH CHECK ELEV. 548.22'

N 34°48'57" E 167.87'

N 01°19'47" E
55.00'

N 01°19'47" E 710.64'

Area: 1.52 Ac.
15yr. Q: 2.57 Cfs.
100yr. Q: 3.48 Cfs.

Area: 2.50 Ac.
15yr. Q: 4.23 Cfs.
100yr. Q: 5.73 Cfs.

Area: 1.33 Ac.
15yr. Q: 2.25 Cfs.
100yr. Q: 3.05 Cfs.

Area: 4.35 Ac.
15yr. Q: 7.35 Cfs.
100yr. Q: 9.96 Cfs.

Area: 0.06 Ac.
15yr. Q: 0.10 Cfs.
100yr. Q: 0.14 Cfs.

PRE-DEVELOPED DRAINAGE AREA MAP
CITY OF ST. PAUL

Area: 0.20 Ac.
15yr. Q: 0.44 Cfs.
100yr. Q: 0.60 Cfs.

1.018 ACRES
ST. CHARLES CO. UNINCORPORATED
ZONED "AGRICULTURAL"

S 67°57'57" W 229.56'

ST. CHARLES CO. UNINCORPORATED
CITY OF ST. PAUL

Area: 0.60 Ac.
15yr. Q: 1.33 Cfs.
100yr. Q: 1.80 Cfs.

Area: 0.35 Ac.
15yr. Q: 0.78 Cfs.
100yr. Q: 1.05 Cfs.

RESUBDIVISION OF LOT 1,
LAKE CHARLES HILLS PLAT 1
PLAT BOOK 35, PAGE 130
ZONED "AGRICULTURAL"

Area: 0.28 Ac.
15yr. Q: 0.62 Cfs.
100yr. Q: 0.84 Cfs.

ST. CHARLES CO. UNINCORPORATED
CITY OF ST. PAUL

MISSOURI STATE HWY. "P"

45 LF-15" PIPE

Area: 0.40 Ac.
15yr. Q: 0.89 Cfs.
100yr. Q: 1.20 Cfs.

N 45°38'22" E 130.18'

LOT 1
BROKEN RIDGE TRAILS
PLAT BOOK 17, PAGE 29
ZONED "AGRICULTURAL"

NOW OR FORMERLY
JEROME H. & JULIA A. SIGMUND TRUSTS
BOOK 1853, PAGE 1289
ZONED "AGRICULTURAL" CITY OF ST. PAUL

NOW OR FORMERLY
JEROME H. & JULIA A. SIGMUND TRUSTS
BOOK 1853, PAGE 1293
UNZONED CITY OF ST. PAUL

NOW OR FORMERLY
SIGMUND TRUSTEES
BOOK 1453, PAGE 976
UNZONED
CITY OF ST. PAUL

NOW OR FORMERLY
TIMOTHY J. & SANDRA L. SIGMUND
BOOK 1865, PAGE 343

SECTION 12 (APPR.)
SECTION 13

RAYMOND DRIVE

6' WROUGHT IRON STYLE FENCE

48' ACCESS GATE

C.G.

CURVE SWALE

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

ISSUE	REVISIONS	DATE
1	REVISED PER CITY OF ST. PAUL COMMENTS FROM GBA, REVIEW ENGINEER	4/27/07
2	REVISED PER CITY OF ST. PAUL COMMENTS FROM GBA DATED 7/31/2007	8/29/07
3	REVISED PER CITY OF O'FALLON WATER COMMENTS	7/25/08
4	REVISED PER MODOT COMMENTS	09/04/08
5		
6		
7		
8		

STATE OF MISSOURI
GREG A. CURRINGTON
NUMBER
PROFESSIONAL ENGINEER

PREPARED BY:
TRUMPETER
Land Services LLC
1487 B Highway 61
Festus, Missouri 63028
636.933.4700 Office
636.933.4711 Fax

PROJECT NAME: SIGMUND PLACE
SHEET TITLE: DRAINAGE AREA MAP
CLIENT NAME: SIGMUND BROTHERS DEVELOPMENT LLC
PROJECT NUMBER: 06-11-0002

SHEET 5 OF 8
DATE: 03/29/07
DRAWN BY:
CHECKED BY:
SCALE: 1"=50'