THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo

ISSUE REMARKS/DATE
1 INITIAL SUBMITTAL 07-25-2017
2 CITY & CLIENT REV. 09-08-17
3 CITY REV. 10-16-17
4 CITY REV. 10-27-17

EX. FLOODPLAIN LIMITS PER FEMA FIRM MAP NO. 29183C0220G

N/F CITY OF O'FALLON, MISSOURI D.B. 924, PG. 117

WATER LEVEL 480.6

WATER LEVEL 474.7

EX. RIP-RAP STABILIZATION AREA

S69°01'18"E 757.63'

S31°36'26"E 795.30'

PERUQUE CREEK

ZONE AE

FLOODWAY ZONE AE

COMMON GROUND

20' BUFFER EASEMENT (TYP.)

SEDIMENT BASIN 2—SIZING CALCS
DRAINAGE AREA ONSITE = 7.86 AC.
DISTURBED AREA = 7.86 AC.
BASIN SIZED FOR 6 MONTHS OF SEDIMENT STORAGE. BASIN MUST BE CLEANED OUT ON A BIANNUAL BASIS DURING CONSTRUCTION AND UNTIL VEGETATION HAS BEEN REESTABLISHED.

VOLUME REQUIRED = 14,148 CU.FT.
(7.86 AC)(1,800 CU.FT./AC)

VOLUME PROVIDED:

ELEV	VOLUME (CU.FT.)
494.5	0
495.0	41
496.0	838
497.0	3,292
498.0	6,556
499.0	10,549
500.0	15,326
501.0	20,946
502.0	27,463
503.0	34,936

TOP OF BERM = 503.1
REQUIRED VOLUME ACHIEVED = 499.9
TOP OF STANDPIPE = 500.5
FL OF STANDPIPE = 494.5
FL OF CULVERT = 494.0
MONITORING POSTS TO BE INSTALLED IN A MINIMUM OF THREE LOCATIONS IN BASIN AND MARKED AT A 500 ELEVATION. BASIN TO BE CLEANED OUT ONCE ELEVATION ON MONITORING POSTS IS EQUALED.

OS 49 TO BE MODIFIED & USED AS A SEDIMENT CONTROL STRUCTURE, SEE SHEET 3.6 FOR DETAILS

SEED & BLANKET SLOPE, PRIOR TO ECB INSTALLATION SLOPE TO BE SEEDED WITH MSD NATIVE SPECIES DRY MIX. SEE SHEET 3.6 FOR SEEDING SCHEDULE. INSTALL NA GREEN S150BN ECB OR APPROVED EQUAL ON SLOPES WHERE HATCHED. INSTALL BLANKET PER MANUFACTURERS SPECIFICATIONS FOR SLOPE INSTALLATION

NOTE:
BLANKET & SEEDING SHOULD BE INSTALLED IMMEDIATELY FOLLOWING THE COMPLETION OF GRADING OF SLOPE

20' WIDE DRAINAGE EASEMENT

SEDIMENT BASIN 2

MONITORING POSTS (TYP.)

SILT FENCE J-HOOK (TYP.)

ROCK OUTLET (TYP.)

CURB INLETS TO BE PROTECTED PER CITY OF O'FALLON DETAIL (TYP.)

CURB INLETS TO BE PROTECTED PER CITY OF O'FALLON DETAIL (TYP.)

SILT FENCE (TYP.)

SILT FENCE DITCH CHECK, CUT SLITS INTO SILT FENCE 18" ABOVE BOTTOM OF SWALE TO ALLOW WATER PASSAGE (TYP.)

FABRIC DROP INLET PROTECTION (TYP.)

R=2411.83' L=1469.50'
CH=S58°32'50"W CH=1446.68'

MATCH LINE SHEET 3.3

DUSTY BROOK DRIVE

SILT FENCE J-HOOK (TYP.)

SEED & BLANKET SLOPE, PRIOR TO ECB INSTALLATION SLOPE TO BE SEEDED WITH MSD NATIVE SPECIES DRY MIX. SEE SHEET 3.6 FOR SEEDING SCHEDULE. INSTALL NA GREEN S150BN ECB OR APPROVED EQUAL ON SLOPES WHERE HATCHED. INSTALL BLANKET PER MANUFACTURERS SPECIFICATIONS FOR SLOPE INSTALLATION

PERIMETER SILT FENCE (TYP.)

SILT FENCE J-HOOK (TYP.)

SILT FENCE (TYP.)

CURB INLETS TO BE PROTECTED PER CITY OF O'FALLON DETAIL (TYP.)

FABRIC DROP INLET PROTECTION (TYP.)

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

PROJECT TITLE
BROOKSIDE FOREST
O'FALLON, MISSOURI

THE STERLING CO.
ENGINEERS & SURVEYORS
5055 New Baumgartner Road
St. Louis, Missouri 63129
Ph 314-487-0440 Fax 314-487-8944
www.sterling-eng-sur.com
Corporate Certificate of Authority #001348

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STATE OF MISSOURI
JASON D HOWELL
NUMBER PE-2007002801
PROFESSIONAL ENGINEER

Date: 11-7-17
Jason D Howell
License No. PE 2007002801
Civil Engineer

Brookside Forest, LLC
16091 SWINGLEY RIDGE ROAD, SUITE 300
CHESTERFIELD, MISSOURI 63017
Ph. 636-537-2000
Fax 636-537-2546
www.mcbridehomes.com

SWPPP

P+Z No. 02-17.01
City No.
Date: Nov. 7, 2017
Job No. 16-09-274

Page No.
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IMP

"FINAL PLAN" Approval Date: March 2, 2017

Drawing name: V:\16\09274 Brookside Addition\Drawings\Engineering\Improvements\09274MP.dwg Plotted on: Nov 07, 2017 - 12:16pm Plotted by: jdhowell