ISSUE	DATE / REMARKS
1	06/28/2017 Initial Submittal
2	10/06/2017 City Comments
3	11/10/2017 City Comments
4	12/16/2017 City Comments
5	01/11/2018 City Resubmittal

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

NOTE:
1. PROVIDE GRANULAR BACKFILL TO ALL WATER MAIN TRENCHES THAT CROSS THE PAVEMENT, LIE WITHIN TEN(10) FEET OF THE EDGE OF PAVEMENT AND/OR THE 1:1 SHEAR PLANE OF THE ROAD

PROPOSED 6" PVC MAIN
PROPOSED CLEARING LIMIT
PROPOSED 8" PVC SANITARY SEWER (TYP.)
PROPOSED WATER METER (TYP.)
8"x6" REDUCER
PROPOSED 8" PVC MAIN
PROPOSED 10" PVC MAIN
COMMON GROUND
10"x10"x8" TEE, VALVE ON EACH LEG OF TEE
PROPOSED CLEARING LIMIT
PROPOSED CLASS A UNDERDRAIN
PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE (TYP.)
10"x10"x6" TEE, VALVE ON EACH LEG OF TEE
PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
BROOKVIEW WAY DRIVE
(50' R/W PUBLIC ST)
PROPOSED 6" PVC MAIN
PROPOSED DRAINAGE EASEMENT
BLOW OFF HYDRANT WITH VALVE
PROPOSED 10" PVC FOR FUTURE EXTENSION
10"x10"x10" TEE, VALVE ON EACH LEG OF TEE
6'WIDE X 10' LONG 18" THICK MSD DESIGNATION 7 STONE; STONE TO BE UNDERLAIN WITH GEOTEXTILE
10'WIDE X 20' LONG 18" THICK MSD DESIGNATION 7 STONE; STONE TO BE UNDERLAIN WITH GEOTEXTILE
COMMON GROUND & DETENTION
CONNECT TO EXISTING MAIN PER CITY OF O'FALLON STANDARDS
REMOVE & REPLACE EX. SIDEWALK @ NEAREST JOINT AS REQUIRED TO INSTALL WATER MAIN
10'WIDE X 20' LONG 18" THICK MSD DESIGNATION 7 STONE; STONE TO BE UNDERLAIN WITH GEOTEXTILE
PROPOSED 10" PVC MAIN
PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE (TYP.)
RIGHT-OF-WAY DEDICATION (84'W. TOTAL RIGHT-OF-WAY WIDTH)
90° BEND
REMOVE EXISTING CONCRETE PAVEMENT FULL DEPTH @ NEAREST JOINT & REPLACE IN KIND AS REQUIRED TO INSTALL WATER MAIN (SEE "DETAILS OF TEMPORARY OPENINGS IN ROADWAY PAVEMENT" ON SHEET 13.2)
10'WIDE X 4.3' LONG 18" THICK MSD DESIGNATION 7 STONE; STONE TO BE UNDERLAIN WITH GEOTEXTILE
SEE SHEET 11.1 FOR OUTFALL STRUCTURE DETAILS
RETAINING WALL #4 (DESIGN BY OTHERS)
STA. 0+00 G.T.W.=555.0 G.B.W.=554.5 0.5'H.
STA. 0+13 G.T.W.=555.0 G.B.W.=551.6 3.4'H.
18" THICK MSD DESIGNATION 7 STONE (74 S.F.); STONE TO BE UNDERLAIN WITH GEOTEXTILE
STA. 0+16 G.T.W.=555.0
RETAINING WALL #1 W/ FENCE (DESIGN BY OTHERS)
RETAINING WALL #2 W/ FENCE (DESIGN BY OTHERS)
STA. 2+00 G.T.W.=521.9 G.B.W.=510.8 11.1'H.
STA. 2+50 G.T.W.=522.1 G.B.W.=517.5 4.6'H.
STA. 2+85 G.T.W.=522.5 G.B.W.=521.8 0.7'H.
STA. 1+50 G.T.W.=521.6 G.B.W.=507.7 13.9'H.
STA. 1+00 G.T.W.=521.4 G.B.W.=508.4 13.0'H.
STA. 0+50 G.T.W.=521.1 G.B.W.=513.8 7.3'H.
STA. 0+00 G.T.W.=521.1 G.B.W.=520.6 0.5'H.
STA. 3+04 G.T.W.=520.9 G.B.W.=520.1 0.8'H.
STA. 2+50 G.T.W.=521.1 G.B.W.=512.8 8.3'H.
STA. 2+12 G.T.W.=521.8 G.B.W.=506.7 15.1'H.
STA. 1+50 G.T.W.=521.8 G.B.W.=503.0 18.8'H.
STA. 1+00 G.T.W.=523.7 G.B.W.=507.3 16.4'H.
STA. 0+50 G.T.W.=521.0 G.B.W.=516.3 9.7'H.
STA. 0+00 G.T.W.=528.2 G.B.W.=527.0 1.0'H.
STA. 1+50 G.T.W.=552.0 G.B.W.=551.1 0.9'H.
STA. 1+00 G.T.W.=552.0 G.B.W.=541.6 11.4'H.
STA. 0+50 G.T.W.=553.1 G.B.W.=542.8 10.3'H.
STA. 0+00 G.T.W.=553.0 G.B.W.=552.0 1.0'H.
CURB INLET #532 RIM = 490.00 BOTTOM = 483.75
CURB INLET #690 RIM = 490.22 IN = 482.52 BOTTOM = 481.28
SANITARY MH #691 RIM = 493.83 BOTTOM = 484.74
AREA INLET #621 RIM = 490.49 OUT = 485.21
SANITARY MH #735 RIM = 497.34 FL=483.04(IN) FL=482.92(OUT)
CURB INLET #620 RIM = 494.01 IN = 482.46 OUT = 482.11
CURB INLET #455 TOP = 497.22 FL=487.11
AREA INLET #454 RIM = 497.22
CURB INLET TOP=503.95 FL=494.90
CURB INLET TOP=510.09 FL=501.33
AREA INLET TOP=506.88
CURB INLET TOP=516.05 FL=507.21(OUT) FL=507.54(IN)
CURB INLET #308 RIM = 526.34 BOTTOM = 517.85
CURB INLET #309 RIM = 526.42
SANITARY MH #384 RIM = 526.77 BOTTOM = 513.14
AREA INLET #374 RIM = 526.77
F.E.S. FL=512.07
N88°32'06"E 291.60'
S48°53'10"E 158.76'
S27°31'38"W 51.38'
N47°52'27"W 577.77'
S89°55'22"E 269.47'
S01°33'37"W(R) 695.21'(R)
L=442.56'
POINT OF BEGINNING SURVEYOR'S DESCRIPTION
FND: OLD IRON PIPE
FND: OLD STONE MONUMENT (DISTURBED) (0.12' WEST)
N/F GUTHRIE PARTNERS, LLC DB. 4376, PG. 436 PARCEL ID: 4-0020-S027-00-0021.00
N/F JOHN R. WHITLEY, TRS D.B. 1199, PG. 1358 ID# 2-0048-S022-00-0021 GUTHRIE ROAD
SECTION 22 / SECTION 25
SECTION 27 / SECTION 26
BROOKSIDE VILLAGE PLAT ONE PB. 43, PG. 58-62
COMMON GROUND
75' REAR SETBACK LINE
45' WIRE FENCE
10' ESMT
50' R/W
LOT 96 / LOT 98 / LOT 99 / LOT 100
BRUSHY BROOK (50'W) COURT
FERN BROOK (50'W) COURT
SOUTHERN HILLS DRIVE (VARIABLE WIDTH)
HOUSE

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

STATE OF MISSOURI
SEAN M. ACKLEY
NUMBER PE-2009018679
PROFESSIONAL ENGINEER

Date: 01/11/18
SEAN ACKLEY
LICENSE # PE-2009018679
Civil Engineer

PROJECT TITLE
Brookview
O'FALLON, MISSOURI

McBride Guthrie, LLC
16091 Swingley Ridge Road, Suite 300
Chesterfield, Missouri 63017
Ph. (636) 537-2000
Fax (636) 537-2546

UTILITY PLAN

P+Z No. 17-005894
City No. 17-008288
Date: 01/11/18
Job No. 17-02-041

Page No.
6.3
IMP

Drawing name: V:\17\02\41 Guthrie Road\Drawings\Engineering\Improvements\2041IMP.dwg Plotted on: Jan 11, 2018 - 9:44am Plotted by: sackley

"Final Plan" Approval Date: August 24, 2017