CONTINUED TO LEFT

SEDIMENT BASIN H

DRAINAGE AREA ONSITE = 8.44 ACRES
DRAINAGE AREA OFFSITE = 0.17 ACRES
DRAINAGE AREA TOTAL = 8.61 ACRES
DISTURBED AREA = 8.44 ACRES

VOLUME REQUIRED: (8.61 AC)(3,600 CU.FT./AC) = 30,996 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
632.0	0
634.0	2,380
636.0	9,430
638.0	42,689
640.0	88,668
641.0	116,150

TOP OF BERM = 641.0
3" RISER ELEVATION = 639.5
REQUIRED VOLUME ACHIEVED = 637.5

INLET PROTECTION NOTE:
AS STORM SEWER INLETS ARE CONSTRUCTED, INLET PROTECTION SHALL BE PROVIDED AS FOLLOWS:
AREA INLETS – REFERENCE "INLET PROTECTION – FABRIC DROP" DETAIL ON SHEET DTL–2

CURB INLETS – REFERENCE "CURB INLET PROTECTION" DETAIL ON SHEET DTL–1

ISSUE	DATE / REMARKS
1	3-3-2015 Initial Submittal
2	5-7-2015 City Comments
3	6-26-2015 City & PWSD #2 Comments
4	11-5-2015 City Comments
5	12-10-2015 City Comments

MISSOURI STATE HIGHWAY N (60' W.)
LAKE SAINT LOUIS BLVD
STATE ROUTE N
FUTURE COMMERCIAL
FUTURE RESIDENTIAL
FIRE HYD. WATER VALVE
2 TELE BOXES
TELE BOX GAS VALVE
2 GAS VALVES
2 WATER VALVES
FLARED END 18" PVC FL=625.24'
FLARED END 18" PVC FL=622.49'
18" PVC
EDGE ASPHALT
EDGE RIP-RAP
TOP 8" PVC PIPE (POT-HOLED) EL=625.92'
TOP 8" PVC PIPE (POT-HOLED) EL=625.22'
TOP 12" BLACK PIPE (POT-HOLED) EL=623.78'
TOP 8" PVC PIPE (POT-HOLED) EL=622.81'
20'
ACCESS TO THE SITE FROM ANY OTHER LOCATION OTHER THAN THE PROPOSED CONSTRUCTION ENTRANCE IS STRICTLY PROHIBITED!
INSTALL TEMPORARY 15" CMP CULVERT AS NECESSARY TO INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
TEMPORARY CROSS-ACCESS EASEMENT
PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
15' WIDE TURF REINFORCEMENT MAT (VMax SC250 OR EQUAL)
STRAW BALE CHECKDAM OR SIMILAR BMP (TYP)
WATER AVAILABILITY NOTE:
IF WATER SERVICE IS NOT PROVIDED TO THE PROPOSED WASHDOWN STATION, A WATER TRUCK WILL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION ACTIVITY
PROPOSED CONSTRUCTION WASHDOWN STATION
TEMPORARY DIVERSION SWALE (TYP)
CONTINUED TO RIGHT

WATER AVAILABILITY NOTE:
IF WATER SERVICE IS NOT PROVIDED TO THE PROPOSED WASHDOWN STATION, A WATER TRUCK WILL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION ACTIVITY
PROPOSED CONSTRUCTION WASHDOWN STATION
TEMPORARY DIVERSION SWALE (TYP)
40'x60' CONSTRUCTION PARKING AREA
OS 501 TO BE MODIFIED TEMPORARILY TO ACT AS A SEDIMENT CONTROL STRUCTURE DURING GRADING OPERATIONS. SEE SHEET 2.12 FOR DETAILS
RETENTION & WATER QUALITY BASIN H
TEMPORARY SEDIMENT BASIN H
COMMON GROUND
LAKE SAINT LOUIS BLVD
CURTIS LANE
BRIARCHASE DR. (50' W.)
CHESSINGTON COURT
COMMON GROUND
HAYCASTLE DRIVE
8.44 ACRES
@ 2.09 C.F.S./AC.
17.64 C.F.S.
SEE SHT 2.4 FOR CONTINUATION
TEMPORARY DIVERSION SWALE (TYP)
TEMPORARY DIVERSION SWALE (TYP)
TEMPORARY DIVERSION SWALE (TYP)
FUTURE LAKE SAINT LOUIS BLVD EXTENSION
COMMON GROUND
EX. ASPHALT DRIVE(WIDTH VARIES)
BRIARMANOR DR. (42' W.)
0.17 ACRES (OFFSITE)
@ 2.09 C.F.S./AC.
0.36 C.F.S.
TOPSFIELD DRIVE
COLEBROOK COURT
TRAILS DRIVE
SILT FENCE (TYP)
CURTIS LANE EDGE ASPH.
46.84 ACRES
@ 2.09 C.F.S./AC.
97.90 C.F.S.
SEE SHT 2.7 FOR CONTINUATION

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

PROJECT TITLE
The Villages at Shady Creek
O'FALLON, MISSOURI

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STATE OF MISSOURI
RODNEY ARNOLD
NUMBER PE-2002016612
PROFESSIONAL ENGINEER

Date: 12/10/2015
RODNEY ARNOLD
LICENSE # PE-2002016612
Civil Engineer

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SWPPP

P+Z No.	P&Z NO
City No.	15-162-SP
Date:	12/10/2015
Job No.	14-03-087

Page No.
2.5
IMP

"Final Plan" Approval Date: January 8, 2015 (26–14.01)

Drawing name: V:\14\03087 CRP\FTH\Drawings\Engineering\Improvements\3087IMP-SWPPP.dwg Plotted on: Dec 15, 2015 - 9:22am Plotted by: bmiller