

ISSUE	DATE	REMARKS
3-3-2015	Initial Submittal	
5-9-2015	City Comments	
6-26-2015	City & PWSO #2 Comments	
7-13-2015	City Comments	
12-10-2015	City Comments	

SEDIMENT BASIN G INITIAL
 DRAINAGE AREA ONSITE = 11.37 ACRES
 DRAINAGE AREA OFFSITE = 6.38 ACRES
 DRAINAGE AREA TOTAL = 17.75 ACRES
 DISTURBED AREA = 11.37 ACRES
 VOLUME REQUIRED = 63,900 CU.FT.
 (17.75 AC)(3,600 CU.FT./AC)
 VOLUME PROVIDED:

ELEV	VOLUME (CU.FT.)
633.0	0
634.0	23,166
636.0	87,848
637.0	123,574

TOP OF BERM = 637.0
 TOP OF STANDPIPE = 636.0
 REQUIRED VOLUME ACHIEVED = 636.0

SEDIMENT BASIN H INITIAL
 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 = 30,396 CU.FT.
 (8.61 AC)(3,600 CU.FT./AC)
 VOLUME PROVIDED:

ELEV	VOLUME (CU.FT.)
636.0	0
638.0	21,255
639.5	41,251
640.0	48,730
641.0	64,943

TOP OF BERM = 641.0
 TOP OF STANDPIPE = 639.5
 REQUIRED VOLUME ACHIEVED = 639.5

TEMPORARY SEDIMENT TRAP
 DRAINAGE AREA ONSITE 3.00 ACRES
 DISTURBED AREA 3.00 ACRES
 VOLUME REQUIRED (3 ACRES)(3,600 CF/AC) 10,800 CF
 VOLUME PROVIDED:

ELEV	VOLUME (CU.FT.)
633	0
634	2,925
635	8,929
636	12,082
637	18,456

(N06°20'10"E 1003.43' P.B.P.142 PG.365)

EQUATION: 53.68 BK
SLO 495+50.10 AH
SLO 495+50.10 AH

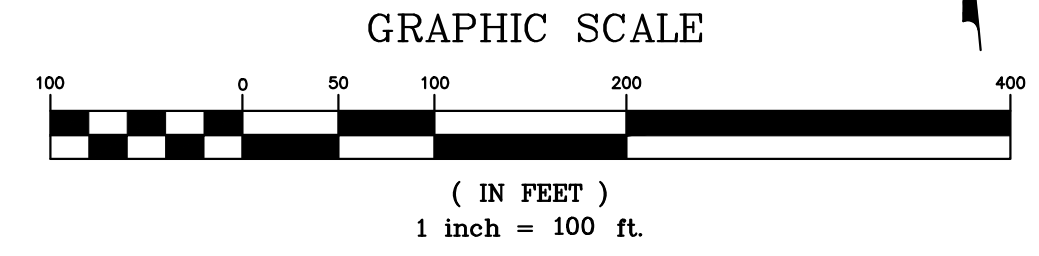
NIF
 DONALD W. GRIFFITH, TRUSTEE OF
 THE DONALD W. GRIFFITH
 REVOCABLE LIVING TRUST DATED
 NOVEMBER 29, 1999
 D.B. 2354 PAGE 138

TREES TO BE REMOVED
 DURING INITIAL GRADING
 OPERATIONS

EXISTING POND TO REMAIN IN
 PLACE FOR SOME DURATION.
 UPON REMOVAL THE POND SHOULD
 BE DRAINED DOWN AT A SLOW
 RATE TO THE SEDIMENT BASIN

REMOVE EXISTING BUILDINGS UTILITIES
 AND PERMANENT STRUCTURES
 AROUND EXISTING RESIDENCE

(25' STRIP)
 NIF
 R. STEPHEN BARNETT AND
 CATHERINE M. BARNETT
 D.B. 1874 PAGE 439



PROJECT TITLE

The Villages at
 Shady Creek

OFFALON, MISSOURI

THE **STERLING** CO.
 ENGINEERS & SURVEYORS

5055 New Baumgardner Road
 St. Louis, Missouri 63129
 Ph 314-487-0440 Fax 314-487-8944
 www.sterling-eng-sur.com
 Corporate Certificate of Authority #001348



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

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SWPPP-INITIAL

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

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