

ISSUE	DATE / REMARKS
1	3-3-2015 Initial Submittal
2	5-7-2015 City Comments
3	6-26-2015 City & PWSO #2 Comments
4	11-9-2015 City Comments
5	12-10-2015 City Comments

**SEDIMENT BASIN B**

DRAINAGE AREA ONSITE = 10.24 ACRES  
 DRAINAGE AREA OFFSITE = 0.26 ACRES  
 DRAINAGE AREA TOTAL = 10.50 ACRES  
 DISTURBED AREA = 8.39 ACRES

VOLUME REQUIRED: (10.50 AC)(3,600 CU.FT./AC) = 37,800 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
550.0	0
551.0	10,337
552.0	22,505
553.0	37,902
554.0	52,564

TOP OF BERM = 554.0  
 6" RISER ELEVATION = 553.0  
 REQUIRED VOLUME ACHIEVED = 553.0

**SEDIMENT BASIN A**

DRAINAGE AREA ONSITE = 4.75 ACRES  
 DRAINAGE AREA OFFSITE = 3.96 ACRES  
 DRAINAGE AREA TOTAL = 8.71 ACRES  
 DISTURBED AREA = 4.75 ACRES

VOLUME REQUIRED: (8.71 AC)(3,600 CU.FT./AC) = 31,356 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
550.0	0
552.0	23,891
554.0	55,427
555.0	73,891

TOP OF BERM = 555.0  
 18" RISER ELEVATION = 553.0  
 REQUIRED VOLUME ACHIEVED = 553.0

**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

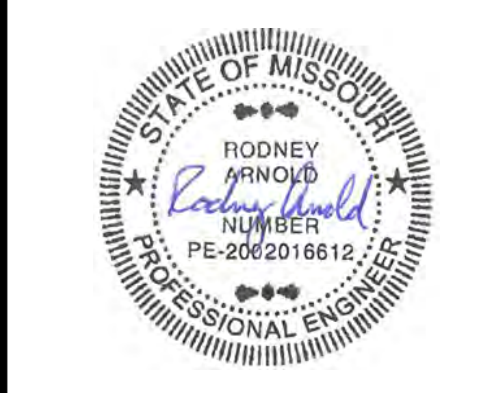
PROJECT TITLE

*The Villages at*  
**Shady Creek**

OFFALLON, MISSOURI

THE **STERLING** CO.  
ENGINEERS & SURVEYORS

5055 New Baumgartner Road  
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 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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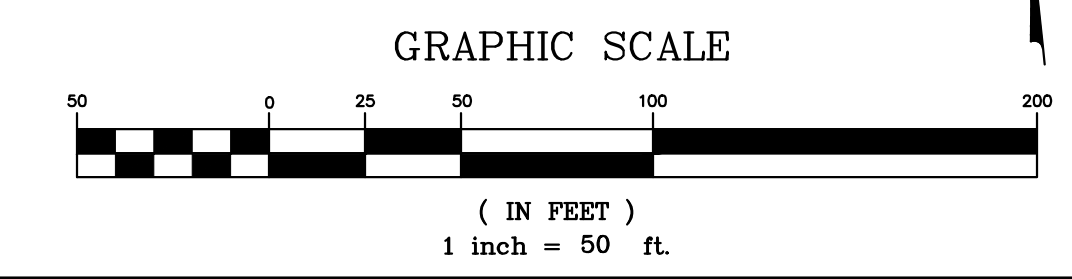
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P+Z No. P&Z NO  
 City No. 15-162-SP  
 Date: 12/10/2015  
 Job No. 14-03-087

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