

SEDIMENT BASIN A
 DRAINAGE AREA ONSITE = 3.99 ACRES
 DRAINAGE AREA OFFSITE = 0.00 ACRES
 DRAINAGE AREA TOTAL = 3.99 ACRES
 DISTURBED AREA = 2.99 ACRES

VOLUME REQUIRED: (3.99 AC)(3,600 CU.FT./AC) = 14,364 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
541.5	0
541.75	885
542.0	2,394
542.5	6,295
543.0	10,894
543.5	16,091
544.0	21,846
544.5	28,157
546.0	50,124
548.0	86,346

TOP OF BERM = 548.0
 6" RISER ELEVATION = 545.0
 REQUIRED VOLUME ACHIEVED = 543.3

SEDIMENT TRAP 1
 DRAINAGE AREA ONSITE = 1.20 ACRES
 DRAINAGE AREA OFFSITE = 0.50 ACRES
 DRAINAGE AREA TOTAL = 1.70 ACRES
 DISTURBED AREA = 0.86 ACRES

VOLUME REQUIRED: (1.70 AC)(1,800 CU.FT./AC) = 3,060 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
597.0	0
598.0	2,085
600.0	8,065

TOP OF BERM = 600.0
 REQUIRED VOLUME ACHIEVED = 598.5

SEDIMENT TRAP 2
 DRAINAGE AREA ONSITE = 1.17 ACRES
 DRAINAGE AREA OFFSITE = 0.00 ACRES
 DRAINAGE AREA TOTAL = 1.17 ACRES
 DISTURBED AREA = 1.17 ACRES

VOLUME REQUIRED: (1.17 AC)(1,800 CU.FT./AC) = 2,106 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
597.0	0
598.0	1,573
600.0	6,240

TOP OF BERM = 600.0
 REQUIRED VOLUME ACHIEVED = 598.34

SEDIMENT TRAP 3
 DRAINAGE AREA ONSITE = 2.55 ACRES
 DRAINAGE AREA OFFSITE = 0.09 ACRES
 DRAINAGE AREA TOTAL = 2.64 ACRES
 DISTURBED AREA = 2.55 ACRES

VOLUME REQUIRED: (2.64 AC)(1,800 CU.FT./AC) = 4,752 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
590.0	0
592.0	3,274
594.0	8,675

TOP OF BERM = 594.0
 REQUIRED VOLUME ACHIEVED = 592.9

SEDIMENT TRAP 4
 DRAINAGE AREA ONSITE = 0.66 ACRES
 DRAINAGE AREA OFFSITE = 0.00 ACRES
 DRAINAGE AREA TOTAL = 0.66 ACRES
 DISTURBED AREA = 0.66 ACRES

VOLUME REQUIRED: (0.66 AC)(1,800 CU.FT./AC) = 1,188 CU.FT.

VOLUME PROVIDED:

ELEV.	VOLUME (CU.FT.)
594.0	0
596.0	3,780

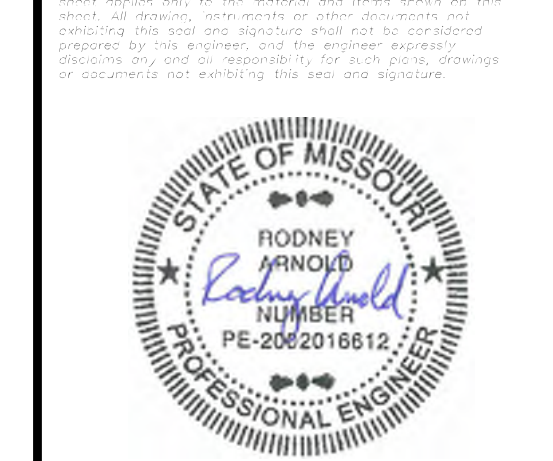
TOP OF BERM = 596.0
 REQUIRED VOLUME ACHIEVED = 594.63

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	8-10-2016 Initial Submittal
2	9-1-2016 PWS# #2 & DCSD Comments
3	10-24-16 City Comments
4	11-15-16 DCSD Comments
5	12-18-16 City Comments
6	12-16 DCSD Comments
7	1-17-17 PWS# #2 Comments
8	1-17-17 Fire District Comments
9	1-27-17 City Comments
10	3-1-17 City Comments

PROJECT TITLE
WESTLEIGH
 OFFALLON, MISSOURI

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Date: 3/01/2017
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 City No. 15-162-SP
 Date: 3/01/2017
 Job No. 14-10-348
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