

Sediment Storage Analysis

Elmridge Golf Solar
Proj No. 6763-10
By: MRG
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Reference: 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, Chapter 5-11

WEST SITE - Stormwater Basin 1

1. Temporary Condition - Construction

DA	4.3
a ¹	30 Fig SB-1
DR	0.4 Fig SB-12
TE	0.8
y	90 Fig SB-2
V	0.0211 Ac-FT/Yr
	917 CF
	4,371 Total volume below weir notch (CF) SWB-1

OK-Min Sediment Storage Provided

Notes

1. Six month construction duration, 80% site disturbance, and assume 9 months for stabilized site $50 \times 0.8 \times 9 / 12 = 30$ ton/ac

2. Permanent Condition Stabilized Site

DA	4.3
a	1
DR	0.4
TE	0.8
y	90
V	0.0007 Ac-FT/Yr
	31 CF

EAST SITE - Stormwater Basin 2

1. Temporary Condition - Construction

DA	8.8
a ¹	11 Fig SB-1
DR	0.4 Fig SB-12
TE	0.8
y	90 Fig SB-2
V	0.0158 Ac-FT/Yr
	688 CF
	6,213 Total volume below weir notch (CF) SWB-2
OK-Min Sediment Storage Provided	

Notes

1. Six month construction duration, 30% site disturbance, and assume 9 months for stabilized site $50 \times 0.3 \times 9 / 12 = 11$ ton/ac

2. Permanent Condition Stabilized Site

DA	8.8
a	1
DR	0.4
TE	0.8
y	90
V	0.0014 Ac-FT/Yr
	63 CF