

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH
CONSTRUCTION ACTIVITIES**

EROSION AND SEDIMENT CONTROL NARRATIVE

MERCER NODE DEVELOPMENT

Prepared for:

MERCER NODE, LLC

Prepared by:

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
MOON TOWNSHIP, PENNSYLVANIA**

CEC Project 353-024

APRIL 2026

REVISED SEPTEMBER 2026



Civil & Environmental Consultants, Inc.

CALCULATIONS

COMPOST FILTER SOCK – PHASE 1

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **1A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	85	520	520	435	84%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	85			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **2A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	98	520	520	422	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	98			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **3A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	195	520	520	325	63%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	195			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **4A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	223	520	520	297	57%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	223			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **RAU**

DATE: **8/12/2026**

CHECKED BY: **EAH**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **5A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	247	520	520	273	53%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	247			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **6A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	142	520	520	378	73%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	142			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **7A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	196	520	520	324	62%	OK
SLOPE =	18	SLOPE LENGTH =	20	70	44	24	34%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	216			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **9/14/2026**

CHECKED BY: **KRB**

DATE: **9/14/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **8A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	6	520	520	514	99%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	6			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/1/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **9A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	15	250	250	235	94%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	15			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/12/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **10A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	335	520	520	185	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	335			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/1/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **11A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	74	250	250	176	70%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	74			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **9/14/2026**

CHECKED BY: **KRB**

DATE: **9/14/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **12A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	70	250	250	180	72%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	70			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/1/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **13A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	59	250	250	191	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	59			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/1/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **14A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	33	250	250	217	87%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	33			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/1/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **15A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	25	250	250	225	90%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	25			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **9/14/2026**

CHECKED BY: **KRB**

DATE: **9/14/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **16A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	11	250	250	239	96%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	11			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **17A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	109	520	520	411	79%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	109			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **18A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	87	250	250	163	65%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	87			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **19A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	55	250	250	195	78%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	55			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **20A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	55	250	250	195	78%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	55			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **21A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	60	250	250	190	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	60			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **22A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	102	520	520	418	80%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	102			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **23A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	48	250	250	202	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **24A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	58	250	250	192	77%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	58			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **25A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	47	520	520	473	91%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	47			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **26A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	49	520	520	471	91%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	49			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **27A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	46	520	520	474	91%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	46			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **28A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	48	250	250	202	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **29A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	12	520	520	508	98%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	12			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **30A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	41	520	520	479	92%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	41			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **31A**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	126	520	520	394	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	126			

COMPOST FILTER SOCK – PHASE 2 & 3

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **1B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	76	250	250	174	70%	OK
SLOPE =	40	SLOPE LENGTH =	13	35	24	11	31%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	89			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **2B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	30	250	250	220	88%	OK
SLOPE =	40	SLOPE LENGTH =	15	35	31	16	46%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	45			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **3B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	260	520	520	260	50%	OK
SLOPE =	24	SLOPE LENGTH =	15	60	30	15	25%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	275			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **4B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	296	520	520	224	43%	OK
SLOPE =	17	SLOPE LENGTH =	21	70	30	9	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	317			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **5B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	15	SLOPE LENGTH =	5	100	100	95	95%	OK
SLOPE =	3	SLOPE LENGTH =	19	250	238	219	88%	OK
SLOPE =	28	SLOPE LENGTH =	14	50	44	30	60%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	38			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **6B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	165	250	250	85	34%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	165			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **7B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	137	250	250	113	45%	OK
SLOPE =	27	SLOPE LENGTH =	12	50	23	11	22%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	149			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **8B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	126	250	250	124	50%	OK
SLOPE =	18	SLOPE LENGTH =	20	70	35	15	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	146			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **9B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	89	520	520	431	83%	OK
SLOPE =	14	SLOPE LENGTH =	29	100	83	54	54%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	118			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **10B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	97	520	520	423	81%	OK
SLOPE =	17	SLOPE LENGTH =	24	70	57	33	47%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	121			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **11B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	24	250	250	226	90%	OK
SLOPE =	17	SLOPE LENGTH =	17	70	63	46	66%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	41			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **12B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	61	150	150	89	59%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	61			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **13B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	14	SLOPE LENGTH =	18	100	100	82	82%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	18			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **14B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	67	250	250	183	73%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	67			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **15B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	172	250	250	78	31%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	172			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **16B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	40	250	250	210	84%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **17B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	60	250	250	190	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	60			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **18B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	108	250	250	142	57%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	108			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **19B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	136	250	250	114	46%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	136			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **20B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	75	250	250	175	70%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	75			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **21B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	100	250	250	150	60%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	100			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **22B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	58	250	250	192	77%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	58			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **23B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	322	520	520	198	38%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	322			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **24B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	12	250	250	238	95%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	12			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **AFM**

DATE: **3/11/2026**

CHECKED BY: **VMF**

DATE: **4/3/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **25B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	5	250	250	245	98%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	5			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **7/29/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **26B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	151	520	520	369	71%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	151			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **27B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	142	520	520	378	73%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	142			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **28B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	136	520	520	384	74%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	136			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **18" Compost Filter Sock**

BARRIER ID: **29B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	106	700	700	594	85%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	106			

SEDIMENT BARRIER DEVICE SIZING



Civil & Environmental Consultants, Inc.

PROJECT NAME: **Mercer Node Development**

LOCATION: **City of Sharon, Mercer County, PA**

PREPARED BY: **EAH**

DATE: **8/3/2026**

CHECKED BY: **RAU**

DATE: **8/12/2026**

PROPOSED TYPE OF SEDIMENT BARRIER: **12" Compost Filter Sock**

BARRIER ID: **30B**

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	100	150	150	50	33%	OK
SLOPE =	1	SLOPE LENGTH =	139	520	173	34	7%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
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SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	239			