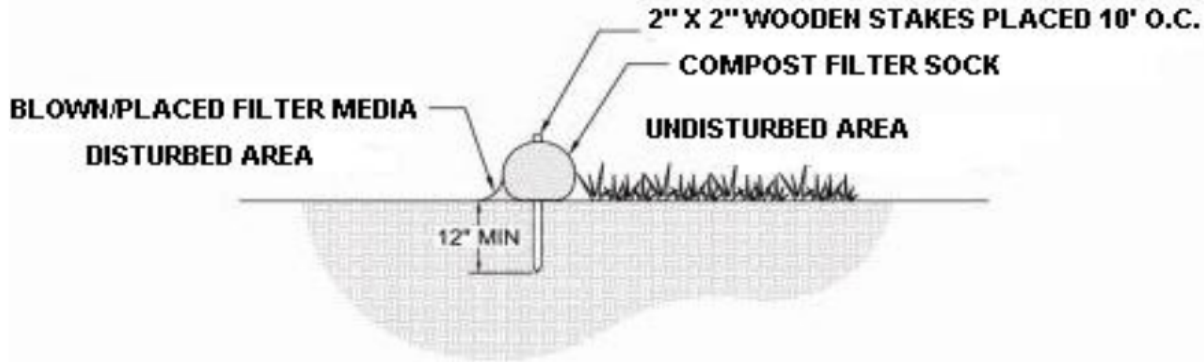


Appendix 1D
Northampton County

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

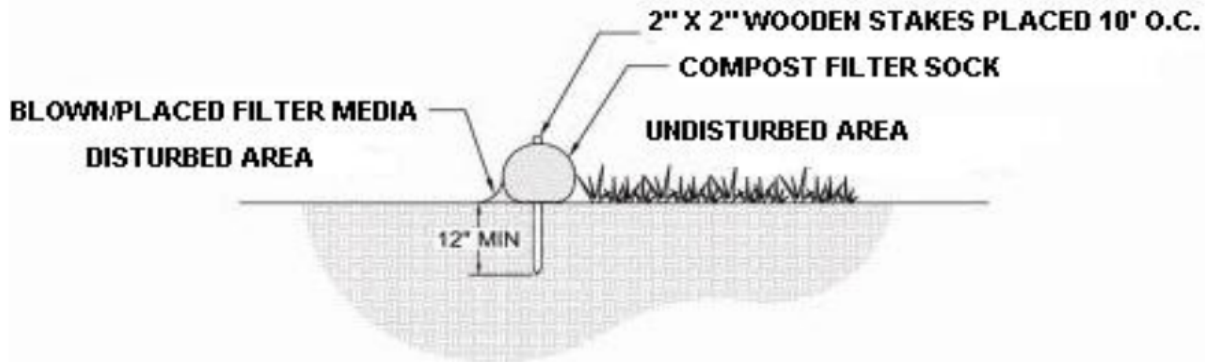


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
51.7R3	12	2729+77	2	111
51.7R3	12	2732+02	12	41
51.8R3	18	2732+48	19	85
51.8R3	18	2732+62	15	101
51.8R3	12	2733+20	14	59
51.8R3	12	2733+37	13	77
51.8R3	12	2733+90	11	79
51.8R3	12	2733+91	9	93
51.8R3	12	2733+92	10	99
51.8R3	12	2733+93	10	66
51.8R3	12	2734+13	9	100
51.8R3	12	2734+69	25	11
51.8R3	12	2734+84	33	23
51.8R3	12	2735+40	22	13
51.8R3	12	2735+42	21	27
51.8R3	12	2735+42	23	36
51.8R3	12	2736+04	47	12
51.9R3	18	2738+03	29	48
51.9R3	12	2739+88	30	27
51.9R3	18	2740+01	29	47
51.9R3	12	2741+33	31	26
51.9R3	18	2741+48	31	41
51.9R3	12	2741+71	32	16
51.9R3	12	2741+85	33	30
51.9R3	18	2741+99	33	43
51.9R3	12	2742+19	36	13

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

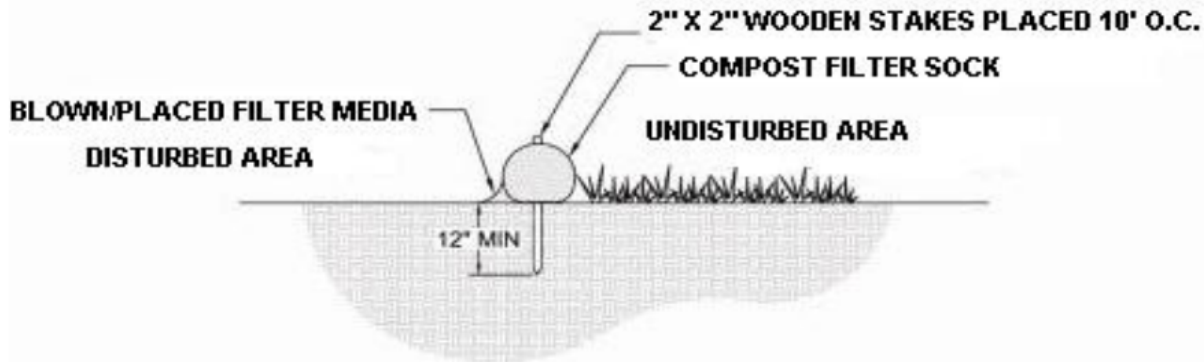


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
51.9R3	12	2742+34	37	29
51.9R3	18	2742+46	38	41
51.9R3	12	2742+69	39	14
51.9R3	12	2742+84	39	30
52.0R3	24	2743+01	39	47
52.0R3	12	2743+20	39	13
52.0R3	12	2743+35	39	30
52.0R3	18	2743+49	38	44
52.0R3	12	2743+68	40	12
52.0R3	12	2743+82	40	27
52.0R3	18	2743+96	40	42
52.0R3	12	2744+20	40	17
52.0R3	12	2744+37	40	34
52.0R3	24	2744+52	41	49
52.0R3	12	2744+76	41	24
52.0R3	18	2744+90	41	38
52.0R3	12	2745+20	42	18
52.0R3	18	2745+34	42	32
52.0R3	24	2745+45	42	42
52.0R3	12	2745+66	43	11
52.0R3	12	2745+80	44	25
52.0R3	24	2745+94	44	40
52.0R3	12	2746+20	42	16
52.0R3	24	2746+47	41	43
52.0R3	12	2746+73	35	17
52.0R3	18	2746+93	37	39

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

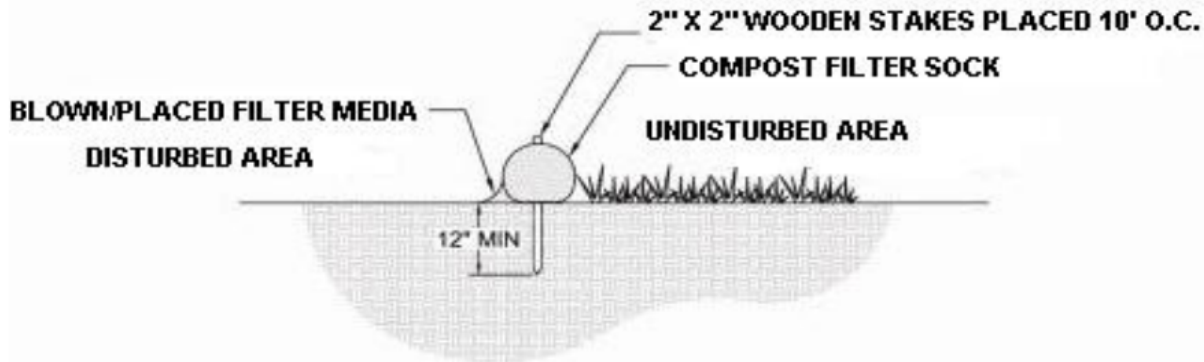


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.0R3	12	2747+29	29	23
52.0R3	12	2747+50	30	44
52.0R3	12	2747+79	34	22
52.0R3	18	2748+00	35	44
52.1R3	12	2748+28	35	22
52.1R3	18	2748+47	35	41
52.1R3	12	2748+69	34	11
52.1R3	12	2748+86	32	29
52.1R3	12	2749+14	25	11
52.1R3	12	2749+32	24	27
52.1R3	12	2749+48	26	41
52.1R3	12	2750+26	36	16
52.1R3	12	2750+41	36	33
52.1R3	12	2751+17	33	12
52.1R3	12	2751+36	33	30
52.1R3	12	2751+68	31	14
52.1R3	12	2751+97	30	41
52.1R3	18	2752+20	29	63
52.2R3	18	2753+61	11	104
52.2R3	12	2753+89	10	130
52.2R3	12	2754+32	7	23
52.2R3	12	2754+53	7	48
52.2R3	12	2754+70	6	66
52.2R3	12	2754+92	8	78
52.2R3	12	2755+14	8	98
52.2R3	12	2755+24	8	102

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

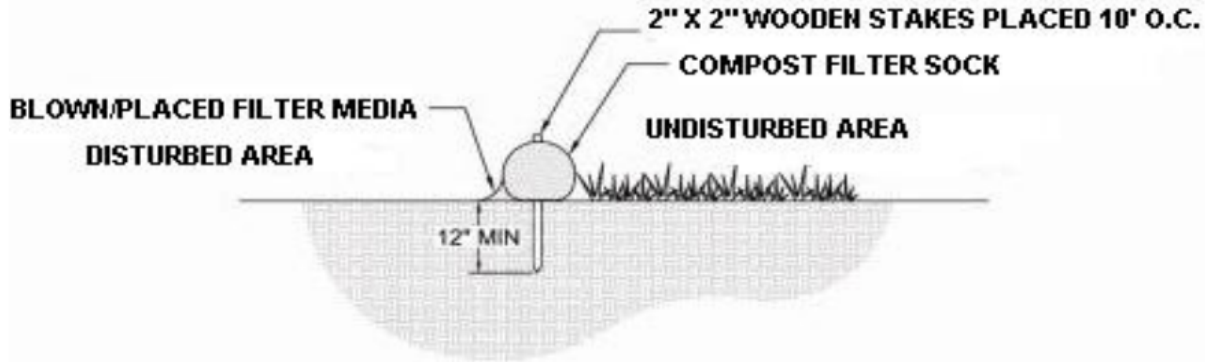


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.2R3	12	2755+32	8	131
52.2R3	12	2757+92	7	85
52.2R3	12	2758+12	7	108
52.2R3	12	2758+29	6	139
52.3R3	12	2759+26	7	79
52.3R3	12	2760+18	11	15
52.3R3	12	2760+43	11	38
52.3R3	12	2760+66	10	62
52.3R3	12	2760+87	10	95
52.3R3	12	2761+08	10	118
52.3R3	12	2761+32	10	145
52.3R3	12	2761+56	9	15
52.3R3	12	2761+78	9	31
52.3R3	12	2761+92	9	42
52.3R3	12	2762+06	9	54
52.3R3	12	2762+25	10	69
52.3R3	12	2762+43	3	78
52.3R3	12	2762+71	8	111
52.3R3	12	2762+89	8	128
52.3R3	12	2763+05	11	9
52.3R3	12	2763+20	11	25
52.3R3	12	2763+40	11	43
52.3R3	12	2763+71	11	62
52.4R3	12	2764+46	7	12
52.4R3	12	2764+57	7	18
52.4R3	12	2764+75	7	29

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

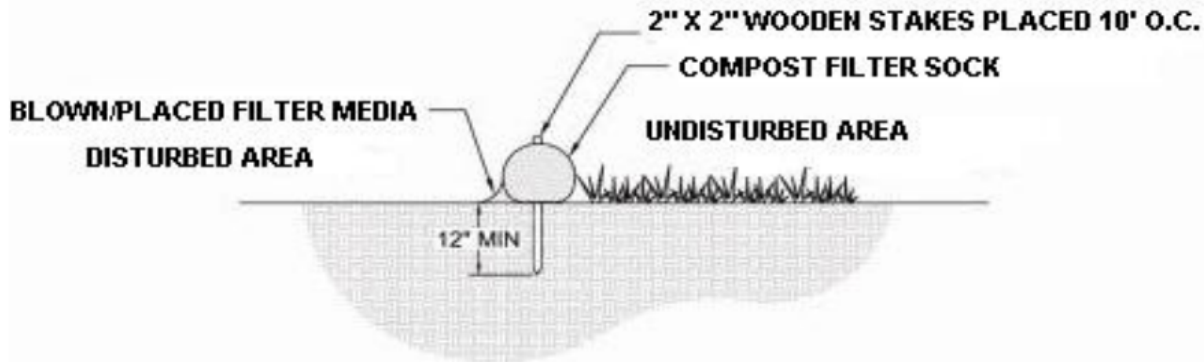


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.4R3	12	2764+92	7	41
52.4R3	12	2765+60	8	84
52.4R3	12	2765+77	8	114
52.4R3	12	2765+94	9	117
52.4R3	12	2766+35	5	45
52.4R3	12	2766+39	6	37
52.4R3	12	2766+54	5	65
52.4R3	12	2766+66	5	67
52.4R3	12	2766+77	4	82
52.4R3	12	2766+95	5	94
52.4R3	12	2766+99	4	101
52.4R3	12	2767+19	4	121
52.4R3	12	2767+49	8	15
52.4R3	12	2767+84	8	39
52.4R3	12	2767+84	8	25
52.4R3	12	2767+85	8	42
52.4R3	12	2767+92	7	38
52.4R3	12	2768+05	5	68
52.4R3	12	2768+24	5	83
52.4R3	12	2768+40	2	19
52.4R3	12	2768+81	4	160
52.4R3	12	2769+19	4	183
52.4R3	12	2769+34	5	203
52.5R3	12	2769+67	7	15
52.5R3	12	2769+86	7	30
52.5R3	12	2769+96	8	28

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

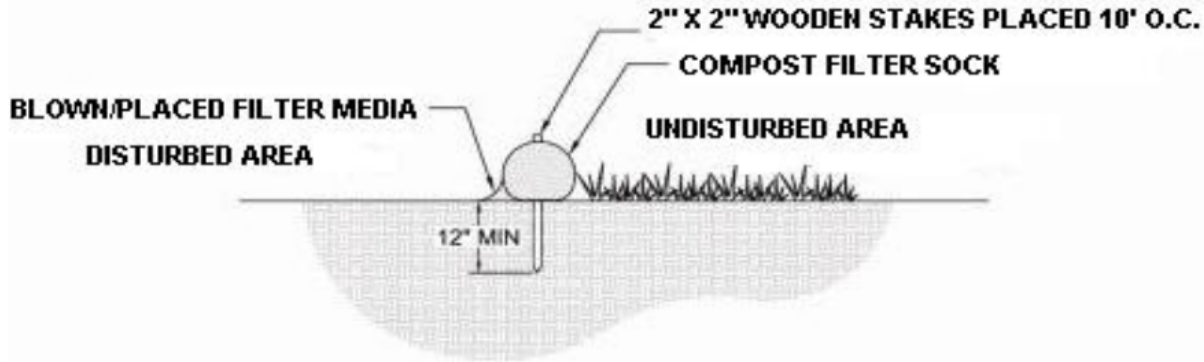


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.5R3	12	2769+99	8	38
52.5R3	12	2770+44	7	79
52.5R3	12	2770+52	0	25
52.5R3	12	2770+54	2	25
52.5R3	12	2770+60	3	26
52.5R3	12	2770+78	5	38
52.5R3	12	2770+94	6	40
52.5R3	12	2771+30	6	58
52.5R3	12	2771+47	5	48
52.5R3	12	2771+87	3	119
52.5R3	12	2772+55	3	22
52.5R3	12	2772+81	4	38
52.5R3	12	2772+99	4	52
52.5R3	12	2773+16	3	66
52.5R3	12	2773+37	2	103
52.5R3	12	2773+69	2	112
52.5R3	12	2773+88	2	118
52.5R3	12	2774+08	3	118
52.5R3	12	2774+21	4	93
52.5R3	12	2774+24	3	113
52.6R3	12	2774+74	4	129
52.6R3	12	2775+97	3	125
52.6R3	12	2776+23	3	141
52.6R3	12	2776+44	3	109
52.6R3	12	2776+69	3	110
52.6R3	12	2776+96	3	129

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

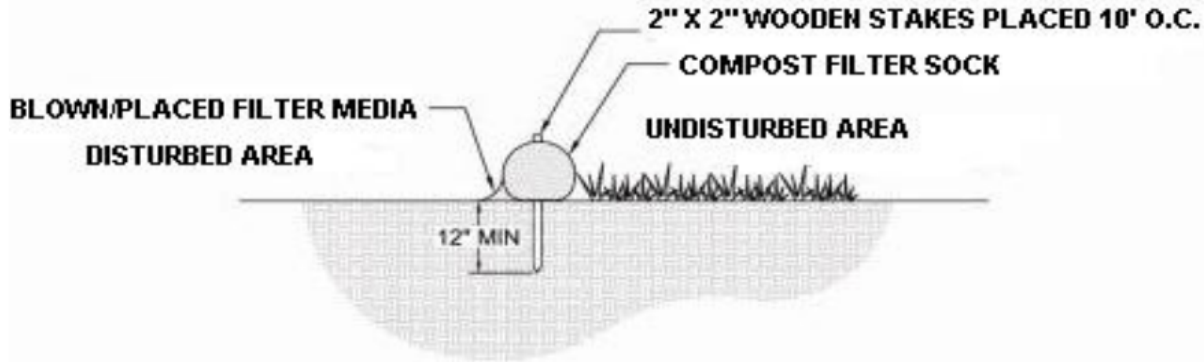


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.6R3	12	2777+32	4	78
52.6R3	12	2777+70	4	89
52.6R3	12	2779+79	3	22
52.6R3	12	2779+88	3	48
52.7R3	12	2780+07	3	44
52.7R3	12	2780+18	3	70
52.7R3	12	2780+44	3	76
52.7R3	12	2780+54	3	86
52.7R3	12	2780+70	3	101
52.7R3	12	2780+80	4	110
52.7R3	12	2781+01	3	130
52.7R3	12	2781+01	4	133
52.7R3	12	2781+25	4	156
52.7R3	12	2781+34	3	163
52.7R3	12	2781+47	4	176
52.7R3	12	2781+71	3	13
52.7R3	12	2781+71	3	212
52.7R3	12	2782+01	4	85
52.7R3	12	2782+20	6	17
52.7R3	12	2782+33	4	102
52.7R3	12	2782+50	6	41
52.7R3	12	2782+58	5	25
52.7R3	12	2782+60	5	37
52.7R3	12	2782+68	3	9
52.7R3	12	2782+78	4	48
52.7R3	12	2783+20	5	63

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

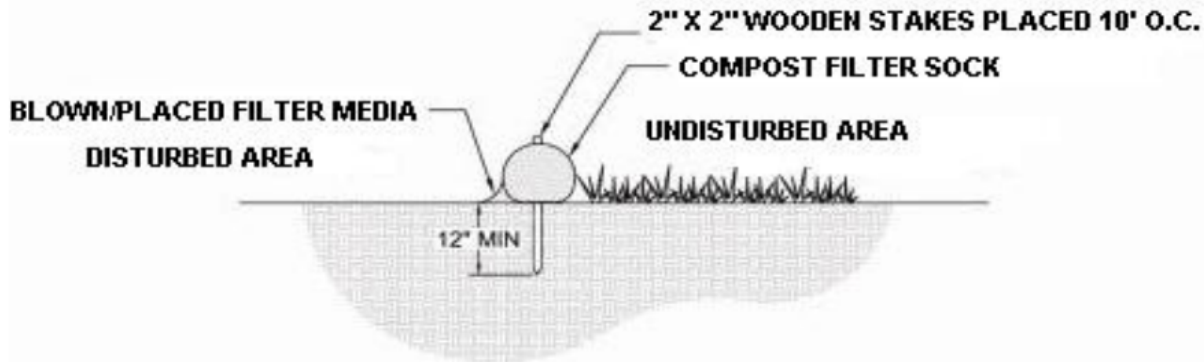


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
52.7R3	12	2783+50	6	73
52.7R3	12	2783+56	4	47
52.7R3	12	2783+59	5	54
52.7R3	12	2783+62	6	61
52.7R3	12	2783+82	5	46
52.7R3	12	2784+56	3	33
52.7R3	12	2784+80	2	43
52.7R3	12	2785+12	2	42
52.8R3	12	2787+17	2	39
52.8R3	12	2788+06	2	87
52.8R3	12	2788+37	2	107
52.8R3	12	2788+76	2	147
52.8R3	12	2789+19	2	134
52.8R3	12	2789+76	3	57
52.8R3	12	2790+09	2	78
52.8R3	12	2790+26	2	80
52.8R3	12	2790+42	2	94
52.9R3	12	2790+60	3	107
52.9R3	12	2790+79	3	119
52.9R3	12	2790+97	3	133
52.9R3	12	2791+12	3	142
52.9R3	12	2791+15	3	117
52.9R3	12	2791+43	3	177
52.9R3	12	2791+48	4	185
52.9R3	12	2791+65	4	202
52.9R3	12	2793+05	2	66

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

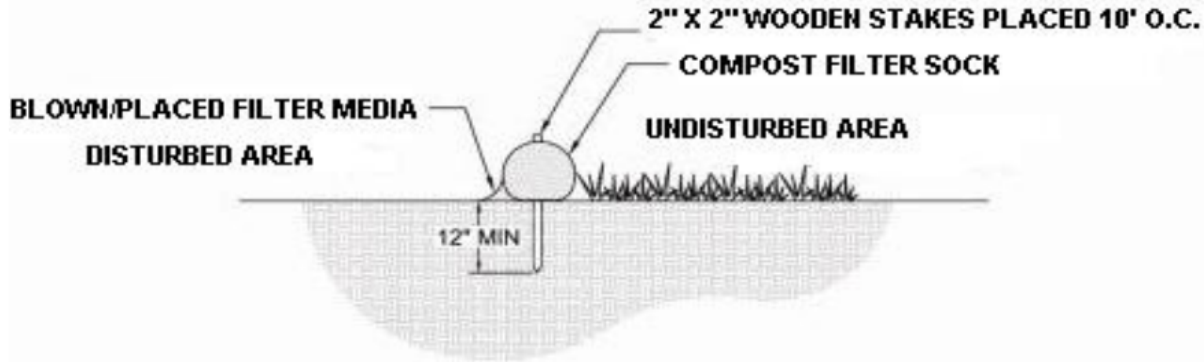


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
53.0R3	24	2795+57	1	398
53.0R3	18	2796+65	1	275
53.0R3	18	2796+97	1	301
53.0R3	12	2798+72	3	45
53.1R3	24	2801+08	2	369
53.1R3	12	2803+33	2	69
53.1R3	12	2806+10	1	117
53.2R3	12	2809+21	6	14
53.2R3	12	2809+21	6	25
53.2R3	12	2809+57	3	103
53.2R3	12	2809+76	3	119
53.2R3	12	2809+84	2	19
53.2R3	12	2810+20	3	27
53.2R3	12	2810+24	4	33
53.2R3	12	2810+48	5	179
53.2R3	12	2810+69	4	196
53.2R3	12	2810+87	4	212
53.2R3	12	2811+05	4	222
53.2R3	12	2811+24	0	34
53.3R3	12	2812+23	2	83
53.3R3	12	2812+44	2	118
53.3R3	12	2812+67	2	146
53.3R3	12	2812+87	2	58
53.3R3	12	2813+14	2	60
53.3R3	12	2813+34	2	30
53.3R3	12	2813+42	3	58

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

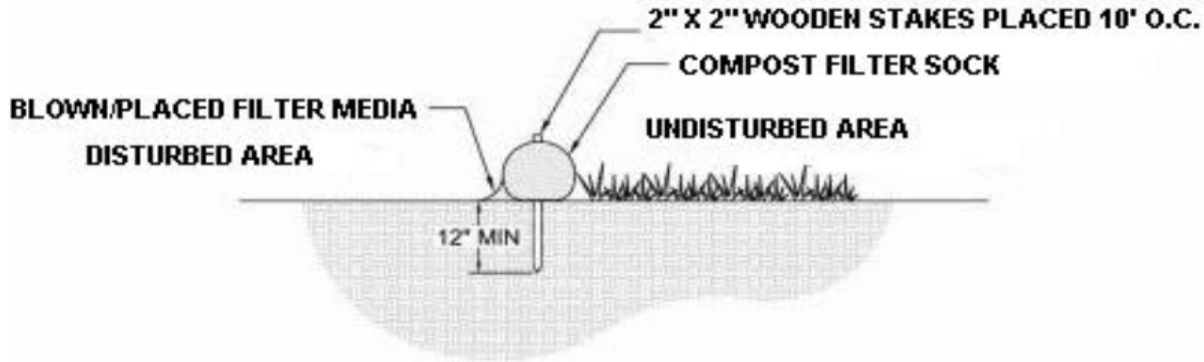


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
53.3R3	12	2813+54	2	40
53.3R3	12	2813+71	3	66
53.3R3	12	2813+72	3	53
53.3R3	12	2813+96	2	71
53.3R3	12	2814+05	4	22
53.3R3	12	2814+08	4	30
53.3R3	12	2814+19	2	86
53.3R3	12	2814+30	4	57
53.3R3	12	2814+45	3	79
53.3R3	12	2814+45	3	93
53.3R3	12	2814+45	2	107
53.3R3	12	2814+53	3	103
53.3R3	12	2814+71	3	141
53.3R3	12	2815+12	3	120
53.3R3	12	2815+27	3	74
53.3R3	12	2815+46	3	82
53.3R3	12	2815+59	3	102
53.3R3	12	2815+77	3	110
53.3R3	12	2815+95	3	126
53.3R3	12	2816+05	1	20
53.3R3	12	2816+23	1	16
53.3R3	12	2816+53	2	29
53.3R3	12	2816+57	4	38
53.3R3	12	2816+82	5	58
53.4R3	12	2817+02	6	73
53.4R3	12	2817+12	6	53

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

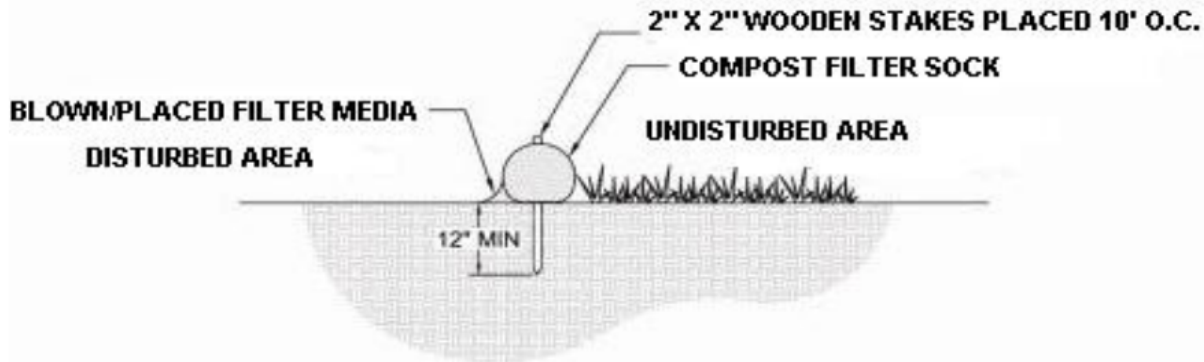


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
53.4R3	12	2817+28	6	43
53.4R3	12	2817+48	7	30
53.4R3	12	2817+65	7	20
53.4R3	12	2817+82	5	16
53.4R3	12	2818+01	5	12
53.4R3	12	2818+20	2	209
53.4R3	12	2818+98	2	12
53.4R3	12	2819+14	2	25
53.4R3	12	2819+24	1	28
53.4R3	12	2819+43	1	54
53.4R3	12	2819+59	1	69
53.4R3	12	2820+15	2	26
53.4R3	12	2820+15	2	46
53.4R3	12	2820+15	2	60
53.4R3	12	2820+15	2	76
53.4R3	12	2820+18	1	65
53.4R3	12	2820+35	1	128
53.4R3	12	2820+53	1	52
53.4R3	12	2820+71	1	27
53.4R3	12	2820+76	0	13
53.4R3	12	2820+94	1	27
53.4R3	12	2821+43	8	14
53.4R3	12	2821+46	6	11
53.4R3	18	2821+88	9	157
53.4R3	18	2821+88	9	154
53.4R3	18	2821+88	11	145

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

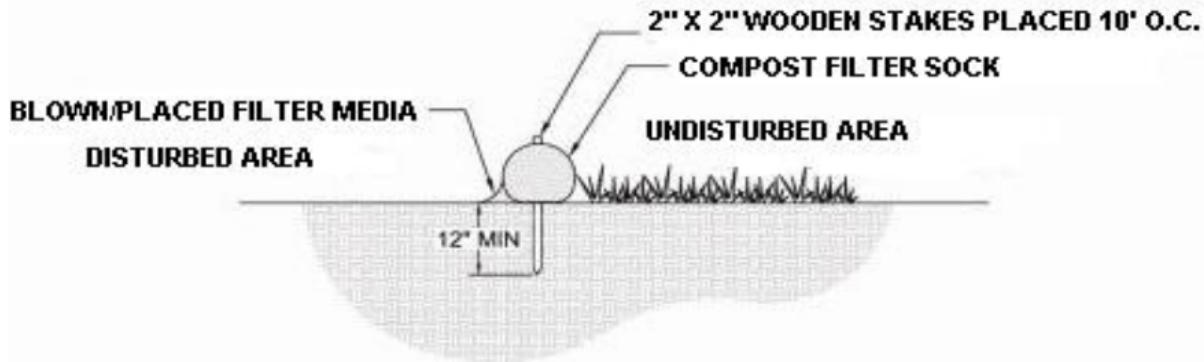


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
53.4R3	12	2821+88	10	150
53.4R3	18	2821+96	14	123
53.4R3	18	2822+13	16	102
53.5R3	12	2823+59	8	32
53.5R3	18	2823+74	10	165
53.5R3	12	2824+03	10	149
53.5R3	12	2824+33	9	137
53.5R3	12	2824+62	9	128
53.5R3	12	2824+86	9	124
53.5R3	12	2825+13	8	123
53.5R3	12	2825+42	8	123
53.5R3	12	2825+71	8	123
53.5R3	12	2825+97	8	124
53.5R3	12	2826+21	8	126
53.5R3	12	2826+44	8	125
53.5R3	12	2826+65	7	123
53.5R3	12	2827+02	6	142
53.5R3	12	2827+37	5	164
53.6R3	12	2829+56	9	21
53.6R3	18	2829+65	11	116
53.6R3	12	2829+77	11	29
53.6R3	18	2830+03	11	102
53.6R3	12	2830+03	8	26
53.6R3	12	2830+82	12	85
53.6R3	12	2830+96	12	73
53.6R3	12	2831+10	12	57

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

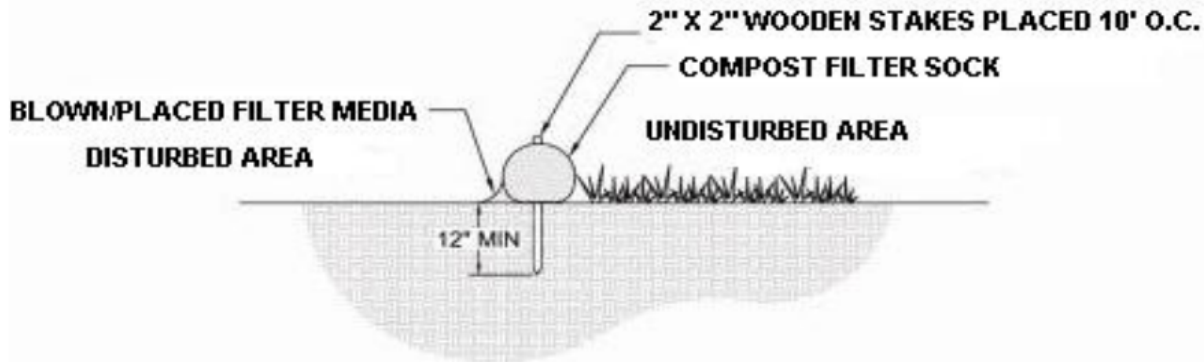


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
53.6R3	12	2831+26	12	43
53.6R3	12	2831+45	11	23
53.6R3	12	2832+12	7	16
54.8	12	2832+38	14	45
54.8	18	2833+19	14	108
54.8	12	2833+33	14	93
54.8	12	2833+56	14	75
54.8	12	2833+78	14	56
54.8	12	2834+00	13	38
54.8	24	2895+06	16	158
54.8	18	2895+13	21	89
54.9	12	2898+02	18	49
54.9	12	2898+23	19	38
54.9	12	2898+59	19	28
54.9	12	2898+80	20	19
54.9	12	2899+02	20	10
54.9	18	2899+32	19	104
54.9	18	2899+70	20	109
54.9	18	2900+01	20	109
54.9	24	2900+31	21	107
54.9	24	2900+62	21	106
54.9	24	2900+93	22	106
54.9	24	2901+23	22	105
55.0	24	2901+39	22	104
55.0	24	2901+71	23	104
55.0	24	2902+41	24	104

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

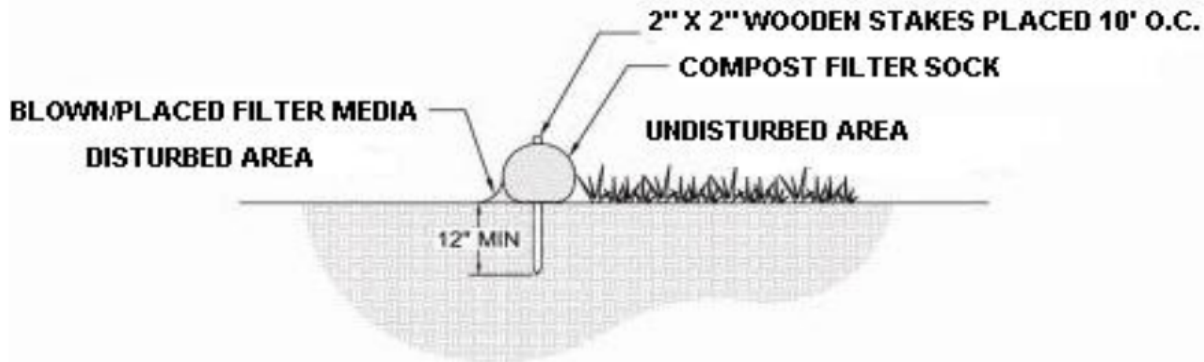


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.0	24	2903+12	25	103
55.0	24	2904+37	28	99
55.0	18	2904+37	25	91
55.0	24	2904+44	26	77
55.0	18	2904+64	29	60
55.0	18	2904+81	31	47
55.0	12	2905+00	31	34
55.0	12	2905+20	32	22
55.0	32	2905+63	11	259
55.0	24	2905+90	18	151
55.0	24	2906+23	14	224
55.0	24	2906+36	14	219
55.0	24	2906+54	13	226
55.1	24	2906+69	13	219
55.1	24	2906+88	12	213
55.1	24	2907+08	12	208
55.1	18	2907+27	12	191
55.1	18	2907+46	11	190
55.1	18	2907+64	12	166
55.1	18	2907+83	10	172
55.1	18	2908+01	10	161
55.1	18	2908+20	12	116
55.1	18	2908+87	7	185
55.2	18	2913+03	6	170
55.2	18	2913+54	6	159
55.2	18	2914+07	6	174

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

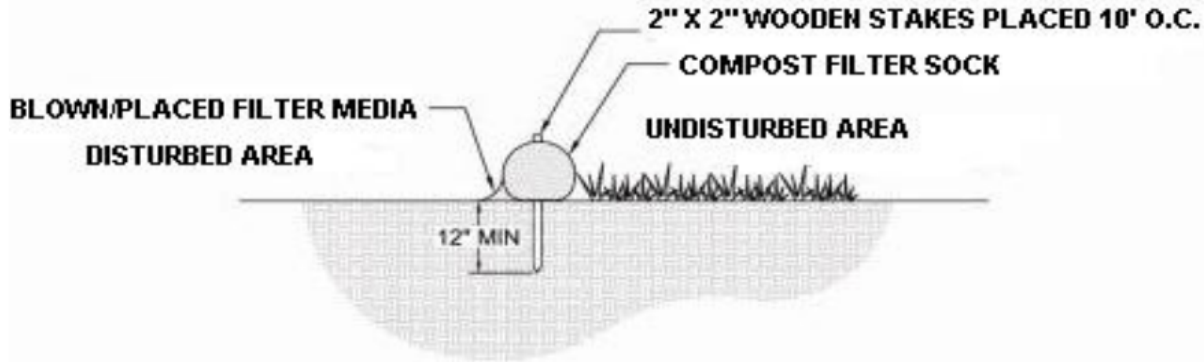


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.2	18	2914+33	7	187
55.2	18	2914+47	8	151
55.2	18	2914+85	7	167
55.2	18	2914+93	6	169
55.2	12	2915+08	7	120
55.2	12	2915+24	7	117
55.2	12	2915+25	6	108
55.2	12	2915+64	5	104
55.2	12	2915+70	4	89
55.2	12	2915+77	5	107
55.2	12	2915+97	5	93
55.2	12	2916+90	3	136
55.3	12	2918+10	9	35
55.3	12	2918+37	9	61
55.3	12	2918+64	6	124
55.3	12	2918+65	9	89
55.3	12	2918+65	9	42
55.3	12	2918+72	9	51
55.3	12	2918+82	9	65
55.3	12	2918+91	9	112
55.3	12	2919+58	8	77
55.3	12	2919+69	8	94
55.3	12	2919+86	8	105
55.3	12	2920+04	9	112
55.3	12	2920+21	9	120
55.3	12	2920+39	9	122

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

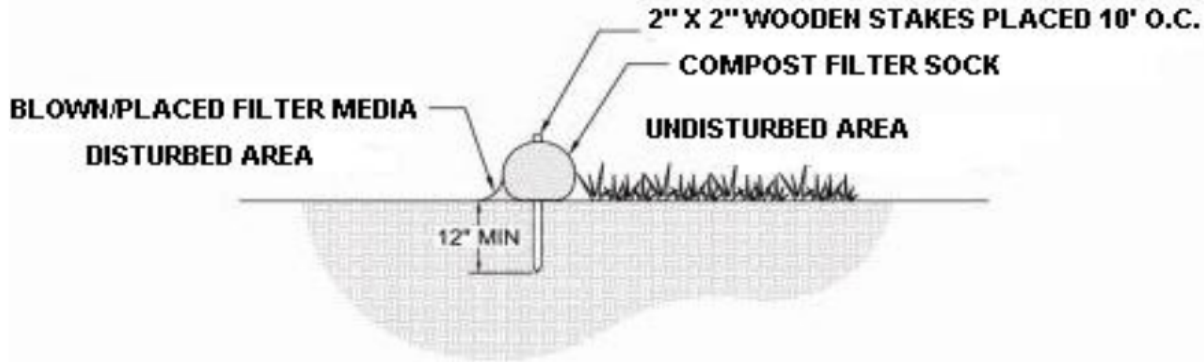


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.3	12	2920+57	9	107
55.3	12	2920+74	8	68
55.3	24	2920+89	8	278
55.3	12	2920+93	9	41
55.3	24	2921+10	8	294
55.3	12	2922+08	8	86
55.3	12	2922+20	9	94
55.3	12	2922+37	9	105
55.4	12	2922+54	9	117
55.4	12	2922+71	10	128
55.4	18	2922+88	11	139
55.4	18	2923+05	11	151
55.4	18	2923+21	12	162
55.4	18	2923+37	12	171
55.4	18	2923+37	12	160
55.4	18	2923+37	12	148
55.4	24	2923+40	10	273
55.4	32	2924+90	8	329
55.4	32	2925+05	8	334
55.4	32	2925+27	8	346
55.4	32	2925+44	8	352
55.4	32	2925+67	8	363
55.4	12	2926+04	15	20
55.4	12	2926+23	14	36
55.4	12	2926+43	14	52
55.4	12	2926+62	13	67

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

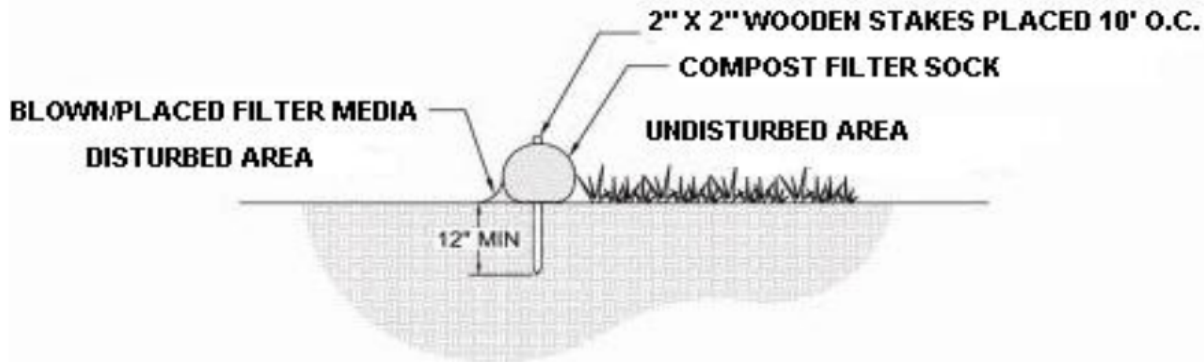


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.4	12	2926+82	13	83
55.4	12	2927+01	13	98
55.5	12	2928+65	13	40
55.5	12	2928+78	13	46
55.5	12	2929+14	13	59
55.5	32" DURASOXX	2930+09	12	570
55.5	12	2930+98	5	56
55.5	12	2931+08	5	68
55.5	12	2931+28	5	86
55.5	12	2931+48	5	102
55.5	12	2931+68	5	121
55.5	12	2931+87	5	139
55.5	18	2932+27	4	306
55.5	12	2932+73	4	40
55.5	12	2932+93	5	56
55.6	12	2933+15	5	75
55.6	12	2933+38	6	94
55.6	12	2933+61	6	114
55.6	12	2933+84	6	135
55.6	18	2934+06	6	155
55.6	18	2934+23	6	173
55.6	18	2934+39	6	191
55.6	18	2934+57	6	208
55.6	12	2935+08	8	28
55.6	12	2935+30	9	45
55.6	12	2935+53	9	62

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

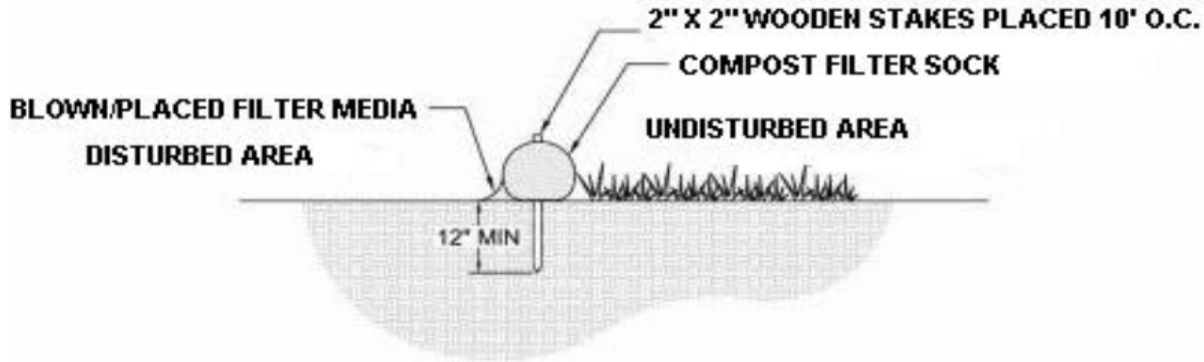


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.6	12	2935+75	9	80
55.6	12	2935+98	10	96
55.6	12	2937+97	12	13
55.7	12	2938+85	17	69
55.7	18	2939+67	11	118
55.7	12	2939+89	14	93
55.7	12	2939+91	12	83
55.7	18	2940+17	12	125
55.7	12	2940+53	10	123
55.7	12	2940+79	9	93
55.7	12	2940+91	9	98
55.7	32" DURASOXX	2941+09	10	589
55.7	32" DURASOXX	2941+31	9	575
55.7	32" DURASOXX	2941+45	8	564
55.7	32" DURASOXX	2941+93	8	656
55.7	32" DURASOXX	2942+47	8	646
55.7	32" DURASOXX	2942+58	8	613
55.8	12	2944+52	11	17
55.8	12	2944+67	11	27
55.8	12	2944+83	11	38
55.8	12	2944+98	11	48
55.8	12	2944+99	10	37
55.8	12	2945+11	10	35
55.8	12	2945+34	10	50
55.8	12	2945+57	10	66
55.8	12	2945+92	15	18

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

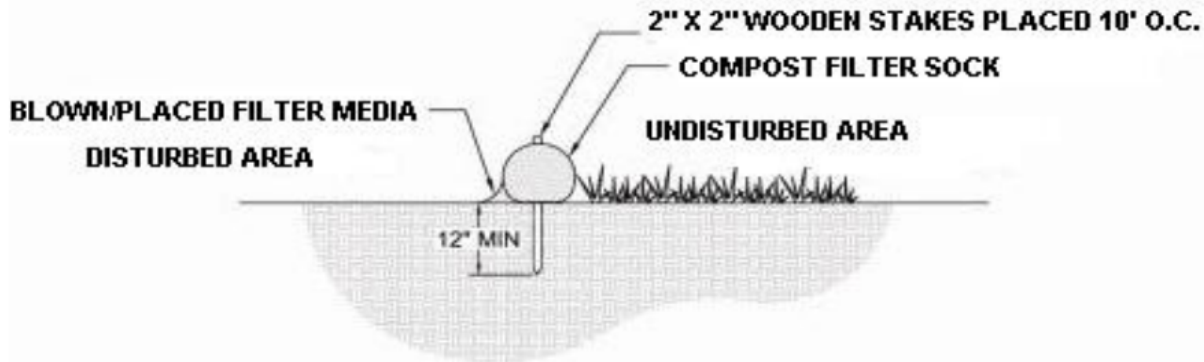


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.8	12	2946+07	15	29
55.8	12	2946+22	15	40
55.8	12	2946+38	15	51
55.8	12	2946+53	15	62
55.8	12	2946+68	14	73
55.8	12	2946+83	14	84
55.8	12	2946+99	14	96
55.8	18	2947+14	14	109
55.8	18	2947+29	15	121
55.8	12	2947+54	34	11
55.8	12	2947+69	37	16
55.8	12	2947+69	36	23
55.8	32	2947+71	9	309
55.8	24	2947+71	9	281
55.8	12	2947+84	39	29
55.8	18	2947+96	41	40
55.9	24	2949+22	41	48
55.9	32" DURASOXX	2949+65	31	242
55.9	12	2949+95	4	28
55.9	12	2950+27	6	17
55.9	18	2950+52	1	319
55.9	18	2950+52	1	335
55.9	24	2950+53	1	353
55.9	24	2950+70	2	414
55.9	24	2950+90	1	411
55.9	12	2951+40	2	24

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

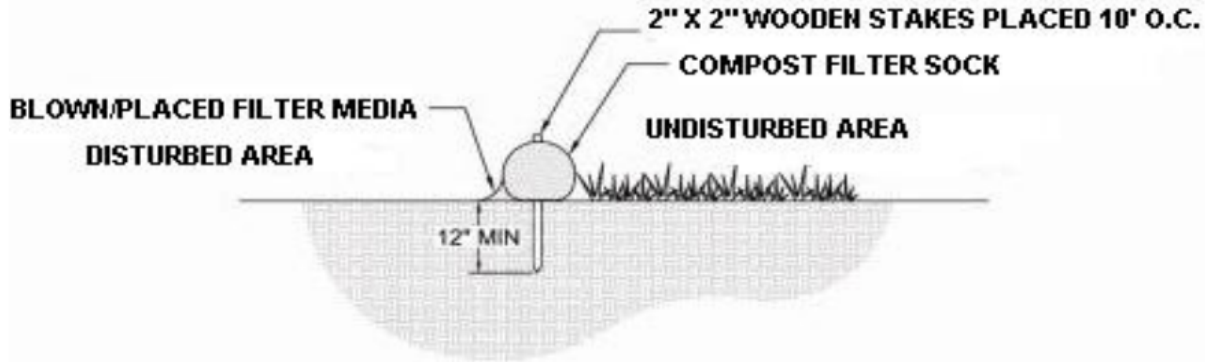


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
55.9	18	2951+82	1	299
55.9	12	2952+46	1	16
55.9	12	2952+53	1	97
55.9	12	2952+77	1	125
55.9	12	2953+25	1	91
55.9	12	2953+57	1	152
56.0	12	2958+73	2	40
56.0	12	2959+09	6	62
56.0	12	2959+16	10	17
56.2	12	2964+85	20	26
56.2	12	2964+85	18	44
56.2	12	2965+07	19	23
56.2	12	2965+70	7	97
56.2	12	2965+93	6	78
56.2	12	2966+27	6	48
56.2	12	2966+63	6	16
56.2	12	2967+25	5	137
56.2	12	2967+43	5	131
56.2	12	2967+61	5	124
56.2	12	2967+78	4	116
56.2	12	2968+13	5	110
56.2	12	2968+41	5	101
56.2	12	2968+66	5	98
56.2	12	2968+83	5	99
56.2	12	2968+99	6	100
56.2	12	2969+16	6	102

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

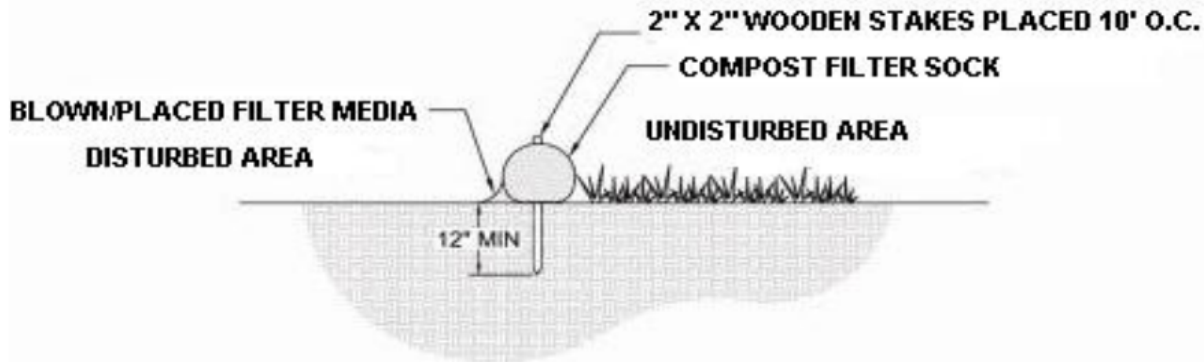


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
56.2	12	2969+34	7	104
56.2	12	2969+52	7	108
56.2	12	2969+67	7	108
56.2	12	2969+80	8	101
56.2	12	2969+90	7	104
56.3	12	2970+08	8	15
56.3	12	2970+28	7	19
56.3	12	2970+42	7	98
56.3	12	2970+62	6	105
56.3	12	2970+79	6	105
56.3	12	2970+96	6	104
56.3	12	2971+13	6	104
56.3	12	2971+31	6	102
56.3	12	2971+47	6	100
56.3	12	2971+69	6	98
56.3	12	2971+94	6	123
56.3	12	2972+28	6	124
56.3	12	2972+57	7	124
56.3	12	2972+76	7	127
56.3	12	2972+96	7	131
56.3	12	2973+26	13	16
56.3	12	2973+43	14	30
56.3	12	2973+63	15	46
56.3	12	2973+80	14	60
56.3	12	2973+98	14	75
56.3	12	2974+19	14	91

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

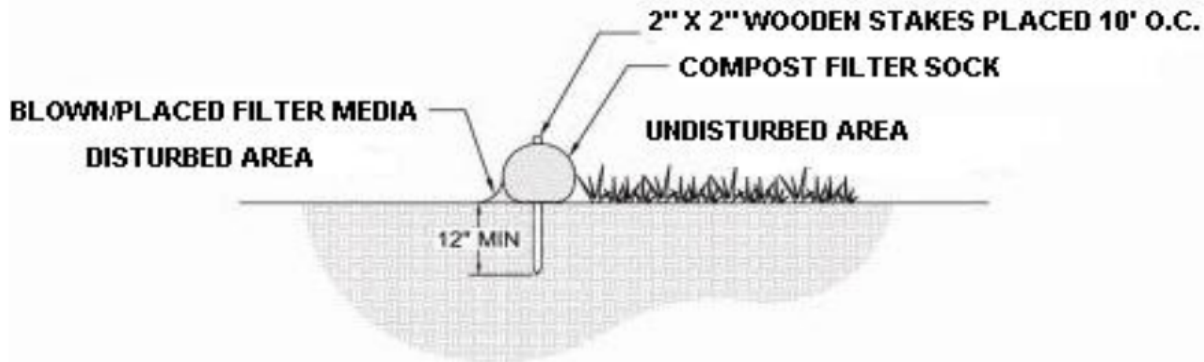


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
56.3	18	2974+42	14	109
56.3	18	2974+63	13	126
56.3	12	2974+87	11	17
56.3	12	2975+04	12	34
56.3	12	2975+22	14	51
56.4	18	2976+63	18	88
56.4	12	2976+91	12	19
56.4	12	2977+14	13	41
56.4	12	2977+32	13	59
56.4	12	2977+47	13	75
56.4	12	2977+61	14	18
56.4	18	2977+76	14	103
56.4	18	2977+92	14	120
56.4	18	2978+07	14	135
56.4	12	2978+31	17	12
56.4	12	2978+43	17	24
56.4	12	2978+57	17	38
56.4	12	2978+72	16	52
56.4	12	2978+85	15	64
56.4	12	2978+98	15	78
56.4	12	2979+10	14	89
56.4	12	2979+26	9	127
56.4	12	2979+43	9	125
56.4	12	2979+61	10	123
56.4	18	2979+78	11	127
56.4	18	2980+09	12	124

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

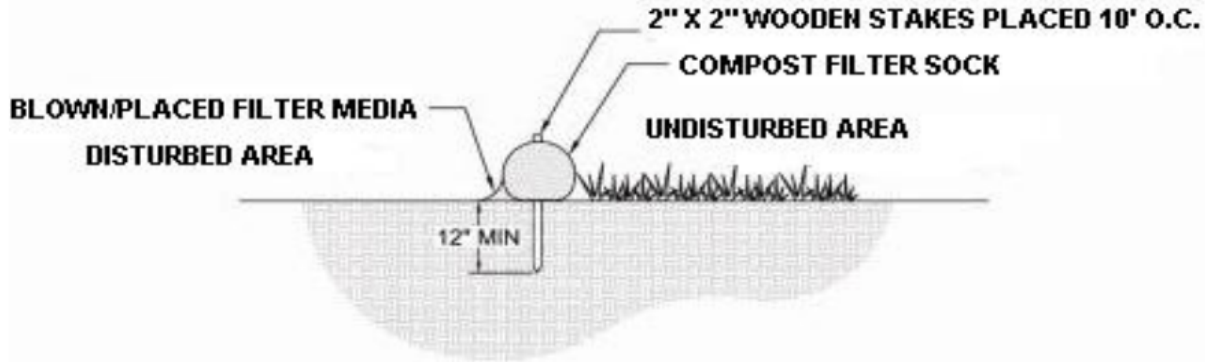


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
56.4	18	2980+40	13	129
56.4	18	2980+55	12	129
56.5	18	2980+73	12	129
56.5	18	2980+90	11	130
56.5	12	2981+07	10	130
56.5	12	2981+24	10	129
56.5	12	2981+38	9	133
56.5	12	2981+53	9	135
56.5	12	2981+68	8	138
56.5	12	2981+89	7	143
56.5	12	2982+09	7	132
56.5	12	2982+28	6	120
56.5	12	2982+49	6	108
56.5	12	2982+70	5	96
56.5	12	2982+90	4	84
56.5	12	2983+13	3	70
56.5	12	2983+35	2	58
56.5	12	2983+56	2	45
56.5	12	2983+82	0	30
56.5	12	2984+02	0	18
56.5	12	2984+55	1	123
56.5	12	2984+75	1	108
56.5	12	2984+94	0	106
56.5	12	2985+12	0	88
56.6	12	2986+00	4	17
56.6	12	2986+02	5	29

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

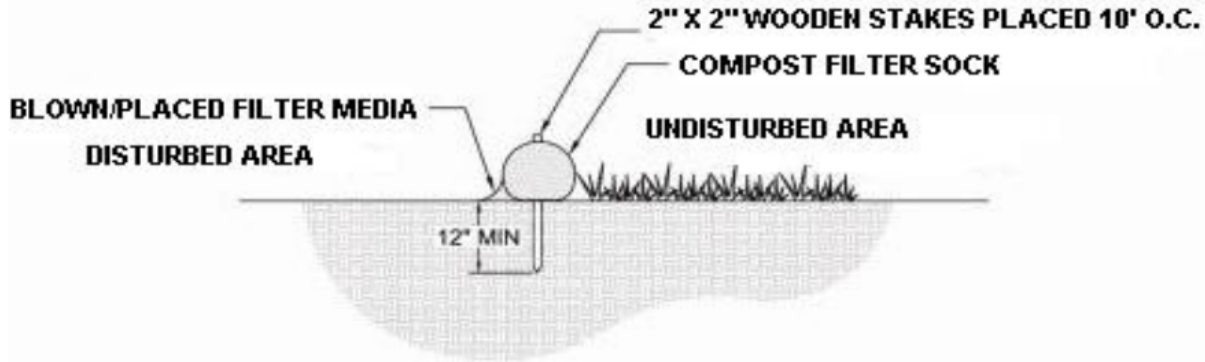


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
56.6	12	2986+22	5	42
56.6	12	2986+43	5	58
56.6	12	2986+61	6	73
56.6	12	2986+77	7	85
56.6	12	2986+95	7	98
56.6	12	2987+13	8	112
56.6	12	2987+38	14	14
56.6	12	2987+56	14	27
56.6	12	2987+72	15	42
56.6	12	2987+87	17	51
56.6	12	2988+03	18	64
56.6	18	2988+15	20	72
56.6	18	2988+27	21	83
56.6	18	2988+41	22	95
56.6	12	2988+63	23	12
56.6	18	2990+72	15	103
56.6	18	2990+91	13	130
56.7	18	2991+15	12	157
56.7	18	2991+39	11	184
56.7	12	2991+41	9	96
56.7	12	2991+41	9	104
56.7	12	2991+64	8	82
56.7	12	2991+75	8	125
56.7	12	2991+97	4	24
56.7	12	2992+45	3	21
56.7	18	2992+59	7	196

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

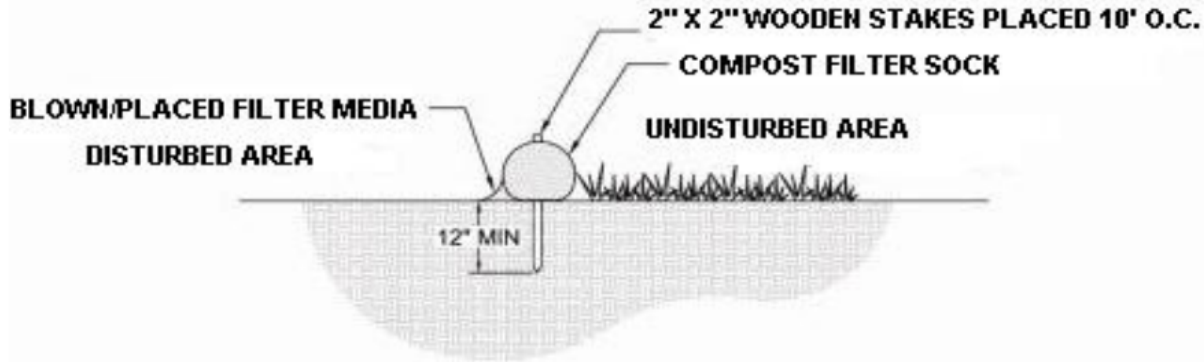


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
56.7	12	2992+97	5	15
56.7	12	2993+49	1	56
56.7	12	2993+75	0	27
56.7	12	2993+86	5	39
56.7	12	2994+11	9	34
56.7	12	2994+98	24	6
56.7	18	2995+58	29	60
56.7	18	2995+58	28	66
56.8	12	2998+46	21	28
56.9	12	3002+52	4	79
56.9	12	3002+78	4	56
56.9	12	3003+22	5	18
56.9	12	3003+50	4	168
56.9	12	3004+02	5	108
56.9	12	3004+30	5	65
56.9	12	3004+56	6	37
56.9	12	3005+27	9	104
56.9	12	3006+27	1	118
57.0	12	3007+11	0	81
57.0	12	3007+88	1	104
57.0	12	3008+19	3	124
57.0	12	3008+52	13	14
57.0	12	3008+68	13	30
57.0	12	3008+85	13	47
57.0	12	3009+09	13	95
57.0	12	3009+34	12	55

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

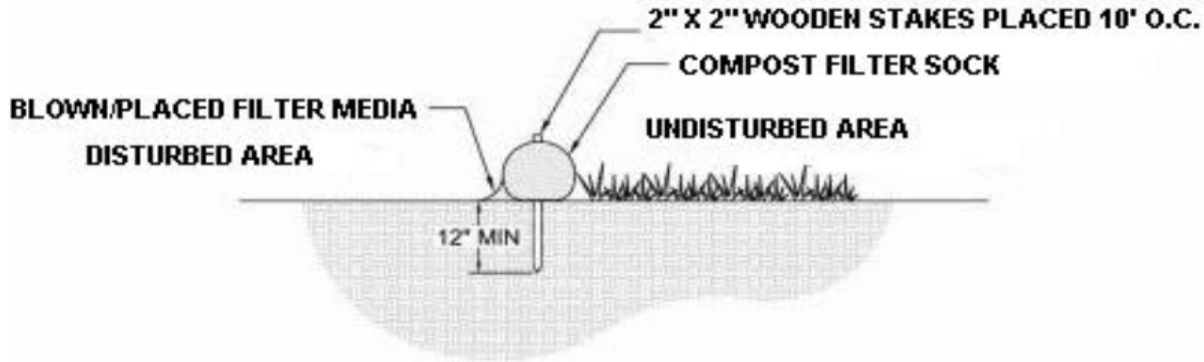


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
57.0	12	3009+58	11	72
57.0	12	3009+79	12	90
57.0	18	3010+03	11	108
57.0	12	3010+27	10	18
57.0	12	3010+30	10	31
57.0	12	3010+32	10	47
57.0	12	3010+35	11	76
57.0	12	3010+39	11	95
57.0	18	3010+42	11	112
57.0	12	3010+45	10	132
57.0	12	3010+52	10	149
57.0	12	3010+58	10	16
57.0	12	3010+63	10	50
57.0	12	3010+68	10	68
57.0	12	3010+70	10	86
57.0	12	3010+76	9	104
57.0	12	3010+82	8	117
57.0	12	3011+01	7	111
57.0	12	3011+80	7	64
57.1	12	3012+39	7	128
57.1	12	3015+06	8	125
57.2	18	3017+70	11	124
57.2	12	3018+83	10	132
57.2	12	3019+06	10	131
57.2	12	3019+33	9	135
57.2	12	3019+56	9	133

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

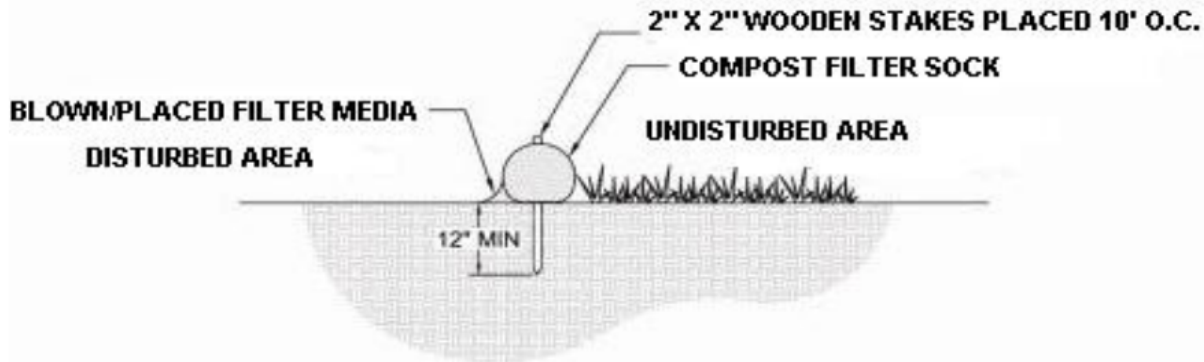


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
57.2	12	3019+78	9	124
57.2	12	3020+04	9	101
57.2	12	3020+37	8	79
57.2	12	3020+60	8	62
57.2	12	3020+82	7	48
57.2	12	3021+08	7	30
57.2	12	3021+30	6	14
57.2	12	3021+67	6	109
57.2	12	3021+89	6	86
57.2	12	3022+13	6	64
57.2	12	3022+40	6	40
57.2	12	3022+61	6	22
57.3	32" DURASOXX	3023+02	5	808
57.3	12	3027+51	9	127
57.3	12	3027+85	8	93
57.4	12	3028+08	7	69
57.4	12	3028+42	7	35
57.4	12	3029+05	8	131
57.4	12	3029+35	7	110
57.4	12	3029+60	6	93
57.4	12	3030+12	6	57
57.4	12	3031+04	7	104
57.4	12	3031+22	7	90
57.4	12	3031+82	7	44
57.4	12	3033+07	6	98
57.5	12	3034+05	5	145

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

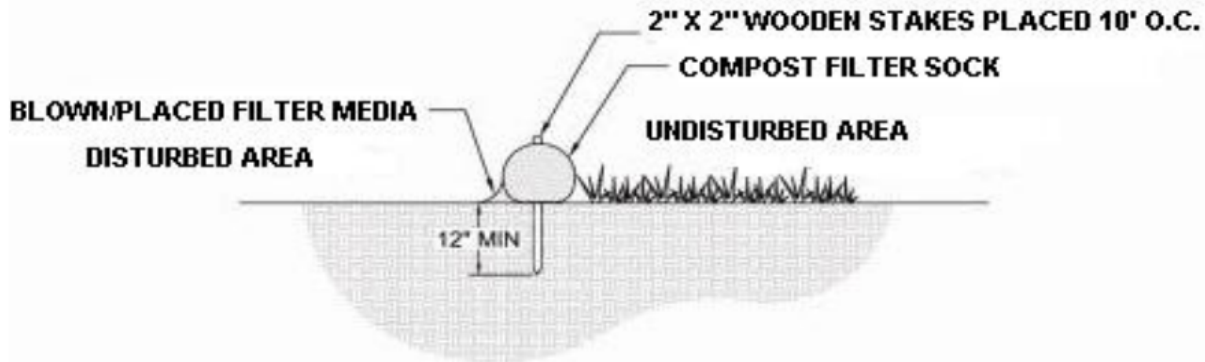


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
57.5	12	3034+44	5	162
57.5	12	3034+65	8	99
57.5	12	3035+03	9	79
57.5	12	3035+38	9	58
57.5	12	3035+86	10	31
57.5	12	3036+40	16	59
57.5	12	3036+59	16	44
57.5	12	3036+66	16	29
57.5	12	3036+75	16	16
57.5	18	3037+06	14	103
57.5	12	3037+08	14	89
57.5	12	3037+29	13	68
57.5	12	3037+46	13	51
57.5	12	3037+55	13	29
57.5	12	3037+57	12	77
57.5	12	3037+74	12	10
57.6R3	12	3039+39	3	134
57.6R3	12	3040+07	2	135
57.6R3	12	3043+62	23	24
57.6R3	18	3043+88	22	51
57.7R3	18	3044+14	21	81
57.7R3	12	3044+40	17	14
57.7R3	12	3044+63	16	36
57.7R3	12	3044+86	15	60
57.7R3	18	3045+14	16	87
57.7R3	12	3048+57	17	11

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

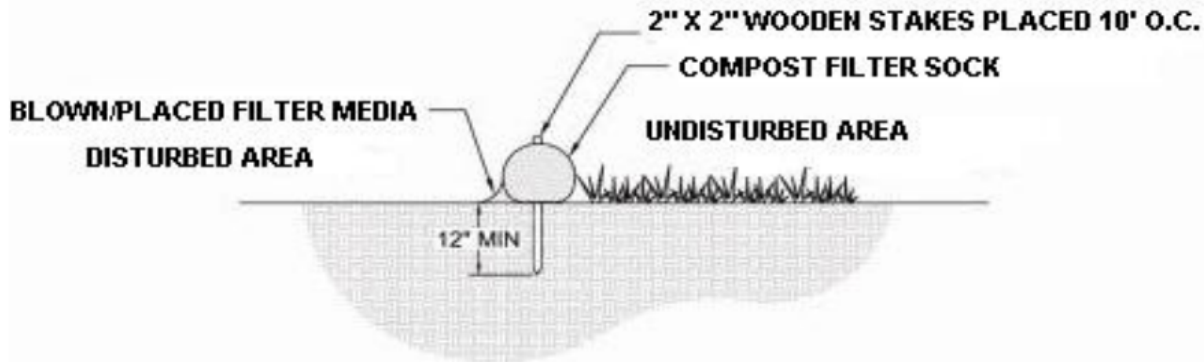


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
57.7R3	12	3048+65	17	25
57.7R3	12	3048+78	17	37
57.7R3	12	3048+91	17	49
57.7R3	12	3049+08	16	67
57.8R2	18	3049+26	16	81
57.8R2	12	3049+71	13	21
57.8R2	12	3050+00	12	42
57.8R2	12	3050+53	11	75
57.8R2	12	3050+72	11	96
57.8R2	12	3051+00	8	27
57.8R2	12	3051+40	8	55
57.8R2	12	3052+16	5	32
57.8R2	12	3052+26	13	11
57.8R2	12	3052+30	10	23
57.8R2	12	3052+40	6	15
57.8R2	12	3052+51	6	55
57.8R2	12	3052+82	6	58
57.8R2	12	3053+48	6	108
57.8R2	12	3053+63	7	136
57.8R2	12	3053+82	11	16
57.8R2	12	3054+08	11	41
57.8R2	12	3054+27	10	64
57.8R2	12	3054+36	8	19
57.9R2	12	3054+49	6	17
57.9R2	12	3054+76	6	40
57.9R2	12	3054+78	6	26

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

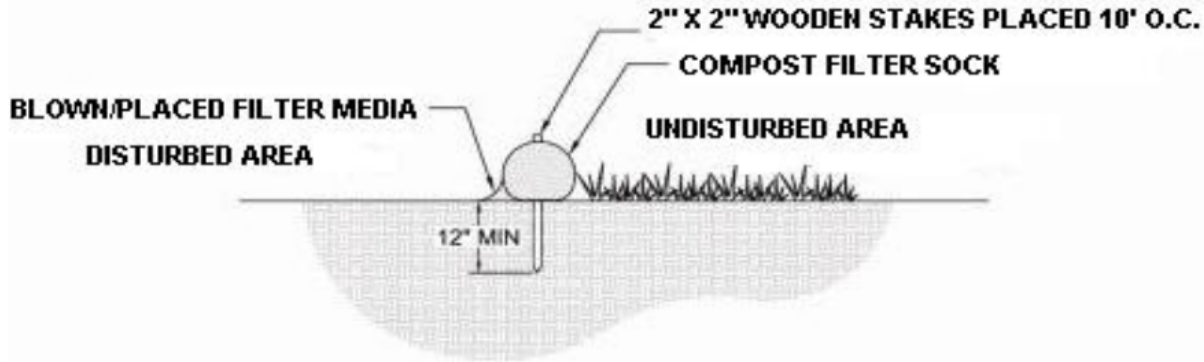


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
57.9R2	12	3054+78	6	33
57.9R2	24	3055+84	5	409
57.9R2	32" DURASOXX	3056+82	6	454
57.9R2	32" DURASOXX	3057+04	6	474
57.9R2	12	3058+91	9	21
57.9R2	12	3059+17	9	49
57.9R2	12	3059+44	8	83
58.0R2	12	3060+54	7	40
58.0R2	12	3060+79	7	69
58.0R2	12	3061+07	7	97
58.0R2	12	3061+28	6	123
58.0R2	18	3061+56	6	152
58.0R2	12	3061+93	4	30
58.0R2	12	3062+19	4	60
58.0R2	12	3062+58	4	99
58.0R2	12	3062+87	4	128
58.0R2	12	3063+11	4	158
58.0R2	12	3063+67	5	36
58.0R2	12	3064+66	2	42
58.0R2	12	3064+74	4	89
58.0R2	12	3064+77	3	57
58.0R2	12	3064+95	4	128
58.1R2	12	3065+36	5	120
58.1R2	12	3065+52	6	118
58.1R2	12	3066+04	6	123
58.1R2	12	3066+69	5	127

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

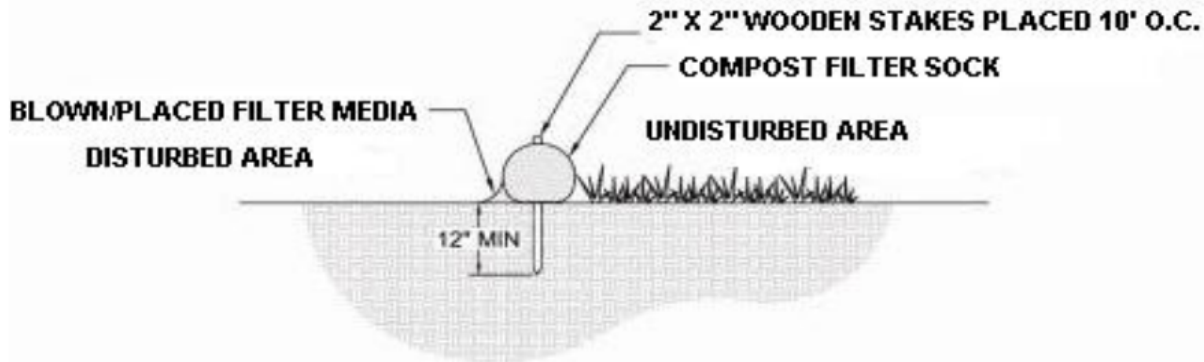


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
58.1R2	12	3067+55	5	168
58.1R2	12	3068+21	5	119
58.1R2	12	3068+24	4	62
58.1R2	12	3068+36	6	87
58.1R2	12	3068+36	6	73
58.1R2	12	3068+54	6	73
58.1R2	12	3068+81	7	83
58.1R2	12	3068+89	7	69
58.1R2	12	3069+08	7	52
58.1R2	12	3069+33	7	30
58.1R2	12	3069+58	7	8
58.1R2	12	3069+76	6	145
58.1R2	12	3069+90	6	146
58.1R2	12	3070+05	6	144
58.2R2	12	3072+18	5	100
58.2R2	12	3072+34	5	113
58.2R2	12	3072+37	5	106
58.2R2	12	3072+53	5	102
58.2R2	12	3072+72	6	121
58.2R2	12	3073+55	12	84
58.2R2	18	3073+84	11	114
58.2R2	12	3074+42	7	30
58.2R2	12	3074+64	7	49
58.2R2	12	3074+88	7	67
58.2R2	12	3075+17	7	93
58.2R2	12	3075+43	7	120

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

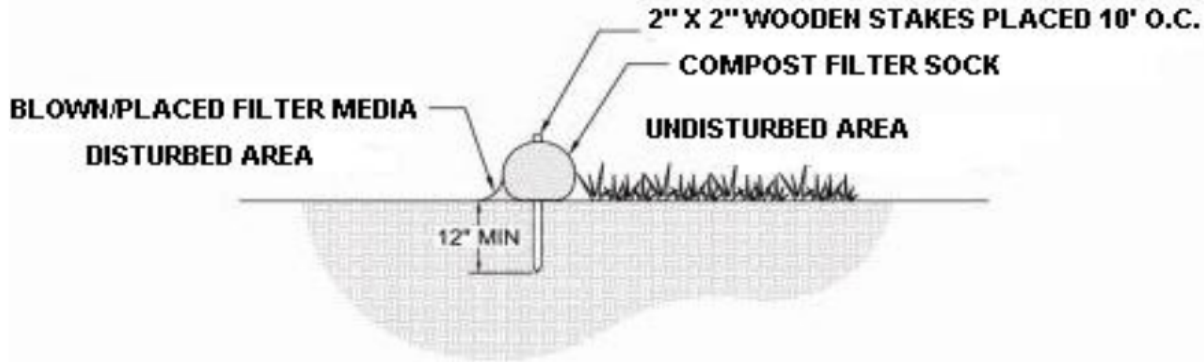


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
58.3R2	12	3076+09	7	47
58.3R2	12	3076+68	6	102
58.3R2	12	3077+14	5	123
58.3R2	12	3078+42	4	123
58.3R2	12	3079+26	4	124
58.3R2	12	3080+05	4	132
58.3R2	12	3080+56	4	48
58.4R2	12	3081+60	4	142
58.4R2	12	3081+83	4	167
58.4R2	12	3082+51	4	64
58.4R2	12	3083+51	3	177
58.4R2	12	3083+80	3	203
58.4R2	12	3084+07	5	18
58.4R2	12	3084+38	5	50
58.4R2	12	3084+74	5	94
58.4R2	12	3085+01	5	125
58.4R2	12	3085+21	5	150
58.4R2	12	3085+52	5	35
58.5	12	3085+59	20	54
58.5	18	3085+78	19	75
58.4R2	12	3085+84	5	72
58.5	18	3085+98	19	95
58.4R2	12	3086+12	6	100
58.4R2	12	3086+36	6	131
58.4R2	18	3086+63	6	161
58.5	12	3086+75	11	63

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

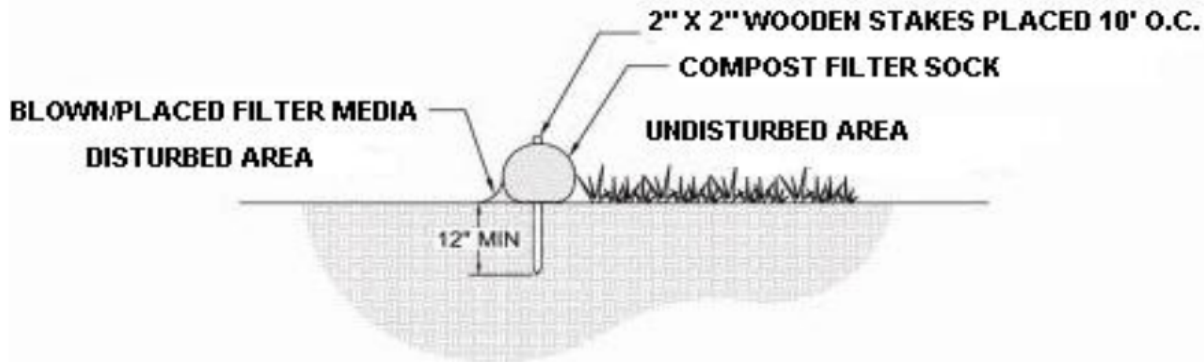


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
58.4R2	12	3087+05	6	32
58.4R2	12	3087+35	6	69
58.4R2	12	3087+36	8	78
58.5	12	3087+47	5	13
58.4R2	12	3087+58	6	96
58.5	12	3087+62	8	105
58.5	12	3087+75	7	49
58.5	12	3087+81	7	49
58.5	12	3087+84	6	124
58.5	12	3087+85	8	130
58.5	12	3087+87	3	25
58.5	12	3087+91	2	24
58.5	12	3088+17	20	15
58.5	12	3088+49	4	44
58.5	12	3088+58	4	53
58.5	12	3089+28	6	126
58.5	12	3090+17	14	13
58.5	18	3090+44	13	140
58.5	18	3090+64	13	138
58.5	18	3090+97	14	106
58.5	18	3091+43	13	101
58.6	18	3091+98	17	103
58.6	18	3092+25	20	100
58.6	18	3092+66	17	108
58.6	18	3093+08	24	63
58.6	18	3093+26	26	46

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

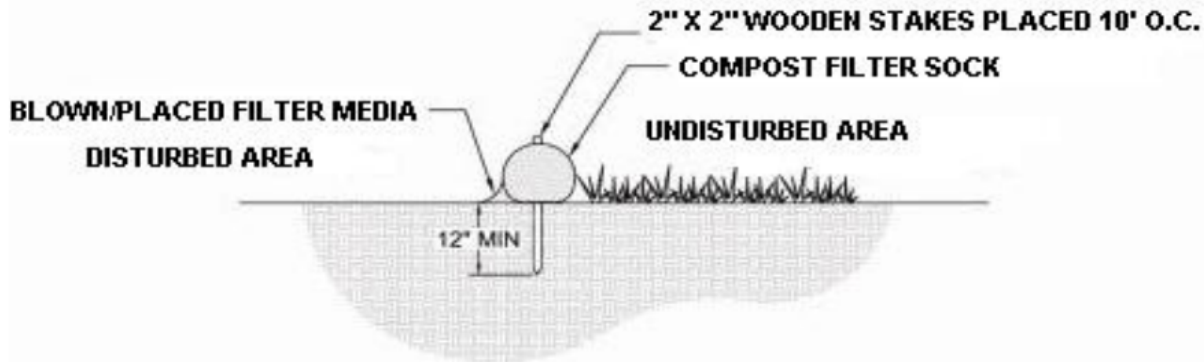


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
58.6	12	3093+40	27	32
58.6	12	3093+58	28	16
58.6	18	3093+82	23	77
58.6	18	3093+99	22	62
58.6	12	3094+17	21	46
58.6	12	3094+37	19	29
58.6	12	3094+59	15	11
58.6	12	3094+77	10	109
58.6	12	3094+94	9	100
58.6	12	3095+75	9	56
58.6	12	3096+04	9	40
58.7	12	3097+15	5	127
58.7	12	3097+62	4	150
58.7	12	3097+86	5	158
58.7	12	3098+19	5	163
58.7	18	3098+42	6	162
58.7	12	3098+64	7	147
58.7	18	3099+28	11	130
58.7	12	3100+02	10	124
58.7	18	3100+85	12	131
58.7	18	3101+09	12	134
58.7	18	3101+30	13	134
58.7	12	3101+93	14	25
58.8	12	3102+19	14	39
58.8	12	3102+80	12	75
58.8	12	3103+03	12	90

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

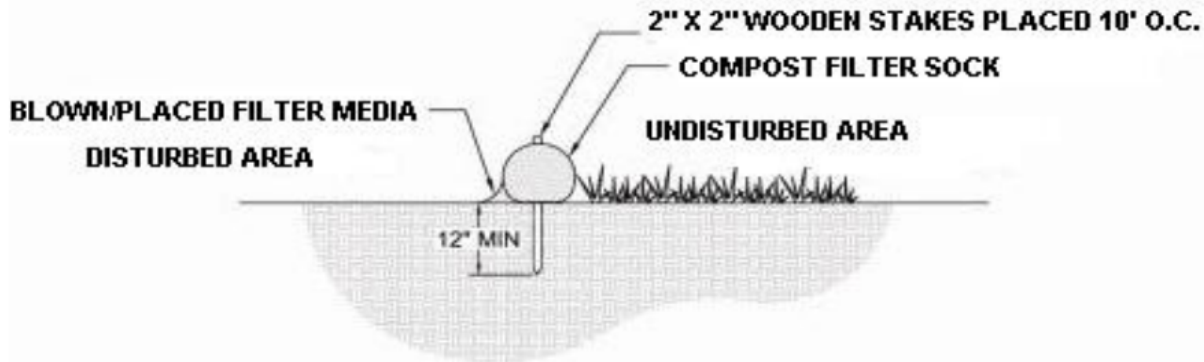


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
58.8	12	3103+54	12	24
58.8	12	3103+80	12	45
58.8	12	3104+03	12	63
58.8	12	3104+34	11	89
58.8	12	3106+55	5	101
58.8	12	3106+86	5	117
58.9	12	3107+66	4	66
58.9	12	3108+24	3	156
58.9	12	3108+95	4	181
58.9	12	3110+22	5	47
58.9	12	3110+81	5	90
58.9	12	3110+99	6	83
58.9	12	3111+00	6	107
58.9	12	3111+00	6	96
58.9	12	3111+14	6	83
58.9	12	3111+44	6	13
58.9	12	3111+59	6	27
58.9	12	3111+83	6	43
58.9	12	3112+00	6	61
58.9	12	3112+25	6	79
58.9	12	3112+53	6	102
59.0	12	3112+75	6	125
59.0	12	3113+13	6	30
59.0	12	3113+50	6	71
59.0	12	3114+40	6	13
59.0	12	3114+46	6	30

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

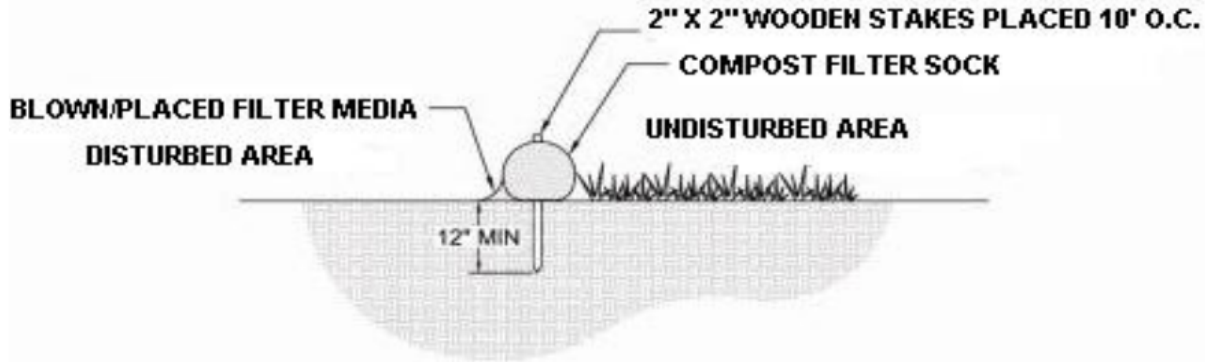


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.0	12	3114+54	6	50
59.0	12	3114+73	7	71
59.0	12	3114+89	7	89
59.0	12	3115+14	8	20
59.0	12	3115+40	8	43
59.0	12	3115+44	7	35
59.0	12	3115+57	6	38
59.0	12	3115+81	7	44
59.0	12	3115+90	7	60
59.0	12	3116+35	6	95
59.0	12	3116+60	5	91
59.0	12	3116+80	4	58
59.0	12	3117+43	4	78
59.0	12	3117+56	7	74
59.1	12	3117+94	6	108
59.1	12	3118+34	10	88
59.1	12	3118+57	11	61
59.1	12	3118+78	12	39
59.1	12	3118+97	12	21
59.1	12	3119+30	4	158
59.1	12	3119+52	3	143
59.1	12	3119+76	2	135
59.1	12	3119+88	2	126
59.1	12	3122+68	1	204
59.2	12	3124+55	8	140
59.2	12	3124+78	8	120

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

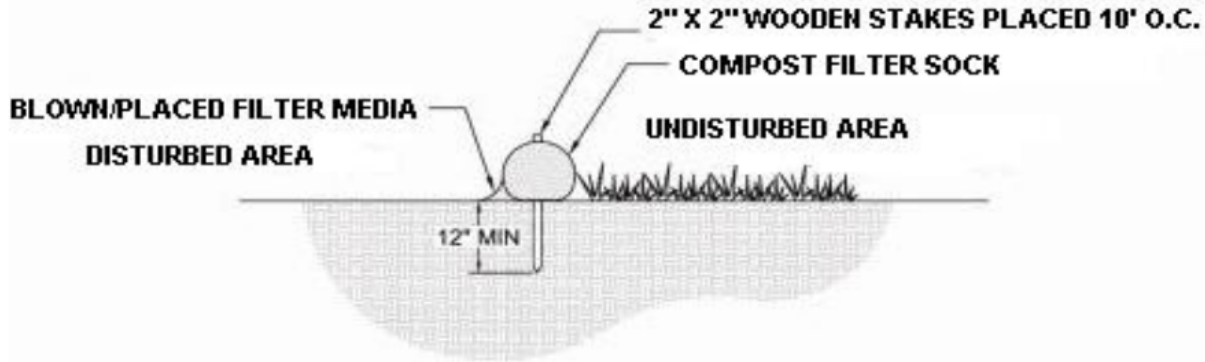


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.2	12	3125+09	16	23
59.2	24	3125+19	4	394
59.2	12	3125+22	17	35
59.2	24	3125+34	4	396
59.2	12	3125+40	18	51
59.2	24	3125+50	5	415
59.2	12	3125+58	19	67
59.2	18	3125+76	20	83
59.2	18	3125+95	20	100
59.2	12	3126+40	12	31
59.2	12	3126+94	22	6
59.2	12	3126+94	22	11
59.2	12	3126+95	20	16
59.2	12	3127+09	17	36
59.2	12	3127+12	15	55
59.2	12	3127+22	15	56
59.2	12	3127+33	14	64
59.2	32" DURASOXX	3127+52	7	816
59.2	32" DURASOXX	3127+59	7	834
59.2	32" DURASOXX	3127+65	6	809
59.2	32" DURASOXX	3127+70	6	824
59.2	12	3128+16	5	25
59.2	12	3128+21	4	56
59.3	12	3128+51	9	58
59.3	12	3129+37	22	48
59.3	12	3129+56	21	35

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

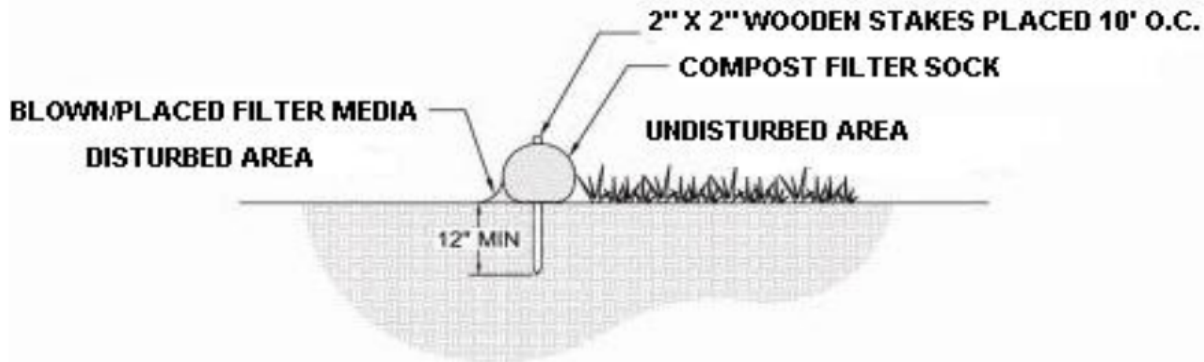


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.3	12	3129+73	20	27
59.3	12	3129+92	19	20
59.3	12	3130+11	18	12
59.3	18	3130+82	15	124
59.3	18	3131+11	15	124
59.3	18	3131+36	12	128
59.3	18	3131+55	13	107
59.3	12	3131+73	12	90
59.3	12	3131+90	12	77
59.3	12	3132+11	11	60
59.3	12	3132+38	10	38
59.3	12	3132+67	10	15
59.3	12	3132+93	11	96
59.3	12	3133+14	10	80
59.3	12	3133+39	10	69
59.3	12	3133+62	10	55
59.4	12	3133+83	10	40
59.4	12	3134+61	10	137
59.4	12	3134+79	10	133
59.4	12	3135+60	10	124
59.4	12	3136+67	12	17
59.4	12	3136+85	12	24
59.4	12	3137+02	12	31
59.4	12	3137+16	11	41
59.4	12	3137+33	11	51
59.4	12	3137+54	11	67

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

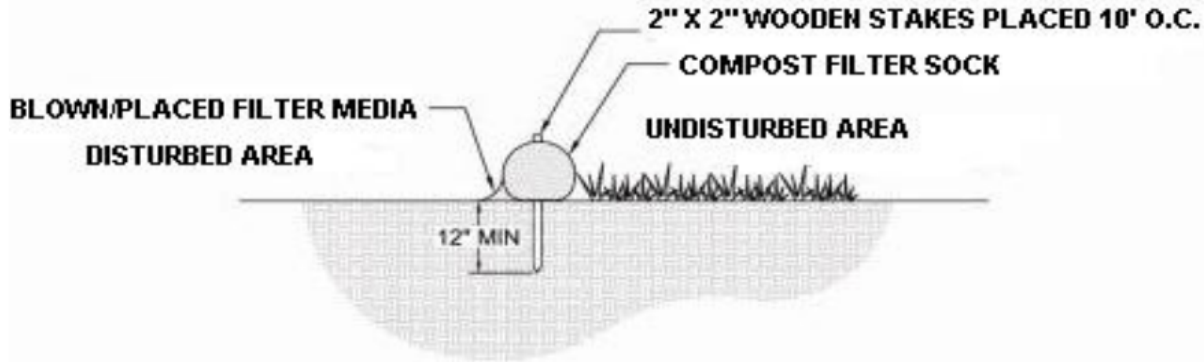


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.4	12	3137+70	11	79
59.4	12	3137+99	14	19
59.4	12	3138+13	15	30
59.4	12	3138+27	15	42
59.4	12	3138+43	15	56
59.4	12	3138+58	15	70
59.4	12	3138+90	13	17
59.5R2	12	3139+08	13	35
59.5R2	12	3139+16	17	16
59.5R2	12	3139+26	13	54
59.5R2	12	3141+14	17	41
59.5R2	12	3141+26	15	60
59.5R2	18	3141+42	12	111
59.5R2	18	3141+64	14	106
59.5R2	24	3142+02	22	112
59.5R2	32	3142+15	30	107
59.5R2	32" DURASOXX	3142+33	33	105
59.5R2	32" DURASOXX	3142+70	33	104
59.5R2	32" DURASOXX	3143+25	30	157
59.5R2	32" DURASOXX	3143+55	30	155
59.5R2	32" DURASOXX	3143+71	29	155
59.5R2	32" DURASOXX	3144+05	27	162
59.5R2	32	3144+15	24	169
59.6R2	32	3144+90	25	154
59.6R2	32" DURASOXX	3145+75	26	156
59.6R2	32" DURASOXX	3145+93	26	157

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

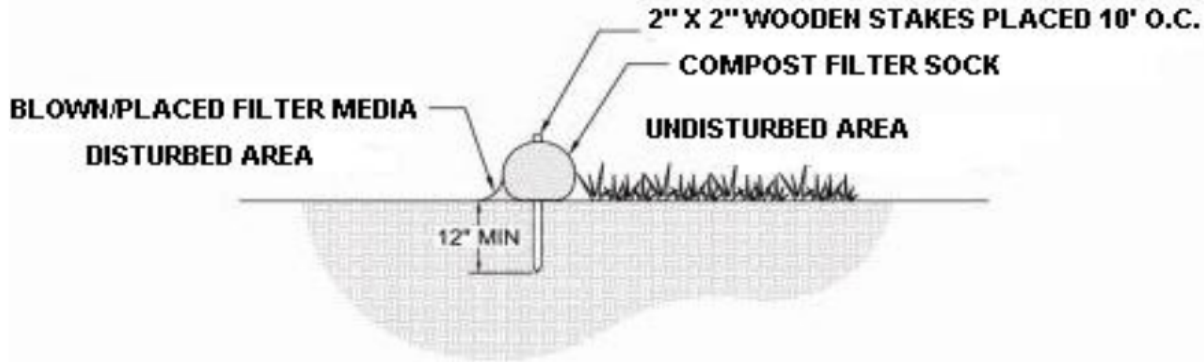


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.6R2	32" DURASOXX	3146+77	27	158
59.6R2	32" DURASOXX	3147+03	27	158
59.6R2	32" DURASOXX	3147+77	27	155
59.6R2	32" DURASOXX	3148+40	27	164
59.6R2	32" DURASOXX	3148+67	26	162
59.6R2	32" DURASOXX	3148+87	27	163
59.6R2	32" DURASOXX	3149+05	27	162
59.6R2	32" DURASOXX	3149+23	27	163
59.6R2	32" DURASOXX	3149+43	27	162
59.7R2	32" DURASOXX	3149+60	27	163
59.7R2	32" DURASOXX	3149+78	27	162
59.7R2	32	3150+10	23	152
59.7R2	32	3150+30	22	153
59.7R2	32" DURASOXX	3150+73	30	171
59.7R2	32" DURASOXX	3151+19	33	167
59.7R2	32" DURASOXX	3151+35	33	164
59.7R2	32" DURASOXX	3151+51	34	163
59.7R2	32" DURASOXX	3151+83	35	162
59.7R2	32" DURASOXX	3152+30	37	165
59.7R2	32" DURASOXX	3152+57	37	167
59.7R2	32" DURASOXX	3152+73	37	167
59.7R2	32" DURASOXX	3152+90	36	168
59.7R2	32" DURASOXX	3153+09	36	167
59.7R2	32" DURASOXX	3153+27	36	167
59.7R2	32" DURASOXX	3153+44	35	179
59.7R2	32" DURASOXX	3153+60	36	176

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

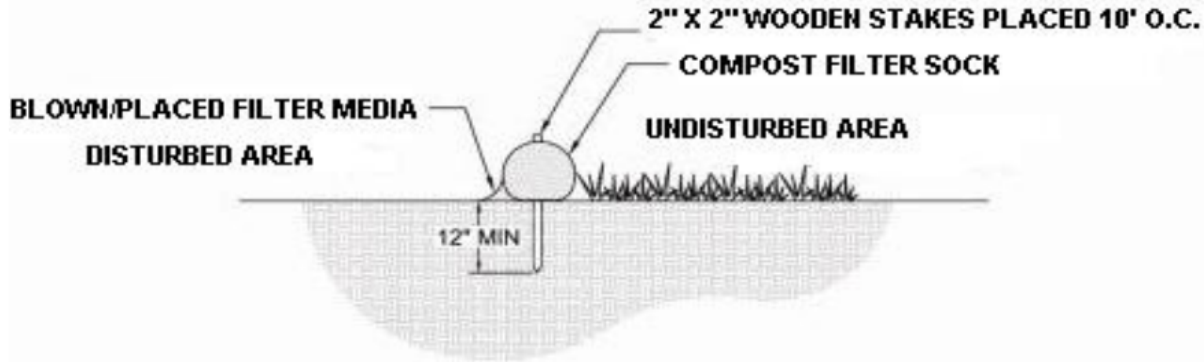


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.7R2	32" DURASOXX	3153+79	36	176
59.7R2	32" DURASOXX	3153+94	36	175
59.7R2	32" DURASOXX	3154+13	36	177
59.7R2	32" DURASOXX	3154+33	35	176
59.7R2	32" DURASOXX	3154+50	36	173
59.7R2	32" DURASOXX	3154+67	36	171
59.8R2	32" DURASOXX	3154+86	35	171
59.8R2	32" DURASOXX	3155+03	35	170
59.8R2	32" DURASOXX	3155+17	34	170
59.8R2	32" DURASOXX	3155+36	33	169
59.8R2	32" DURASOXX	3155+51	32	167
59.8R2	32" DURASOXX	3155+70	31	167
59.8R2	32" DURASOXX	3155+87	30	164
59.8R2	32" DURASOXX	3156+03	29	161
59.8R2	32" DURASOXX	3156+18	28	160
59.8R2	32" DURASOXX	3156+36	27	158
59.8R2	32" DURASOXX	3156+53	26	157
59.8R2	32	3156+68	24	156
59.8R2	24	3158+00	20	168
59.8R2	24	3158+57	19	172
59.8R2	24	3159+21	17	169
59.8R2	18	3159+84	15	158
59.8R2	18	3159+97	15	152
59.9R2	18	3160+15	15	153
59.9R2	18	3160+33	15	152
59.9R2	18	3160+49	15	153

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

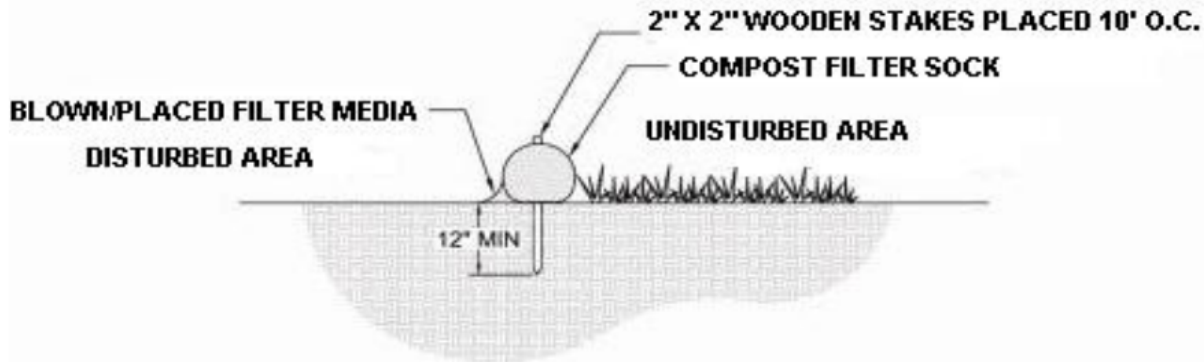


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
59.9R2	18	3160+69	14	151
59.9R2	18	3161+79	13	124
59.9R2	18	3163+49	14	125
59.9R2	18	3164+11	14	131
59.9R2	18	3164+66	14	129
59.9R2	18	3165+23	15	128
60.0R2	18	3165+39	15	127
60.0R2	18	3165+58	16	126
60.0R2	18	3166+34	16	125
60.0R2	18	3166+76	16	125
60.0R2	18	3168+51	16	133
60.0R2	18	3168+59	16	129
60.0R2	18	3168+73	16	131
60.0R2	18	3169+61	17	130
60.0R2	18	3169+79	17	129
60.0R2	18	3170+04	17	129
60.0R2	18	3170+23	18	131
60.1	18	3170+48	18	132
60.1	18	3170+68	18	132
60.1	18	3170+90	17	131
60.1	18	3172+19	16	135
60.1	18	3172+33	16	134
60.1	18	3172+53	16	132
60.1	18	3172+69	16	133
60.1	18	3172+91	17	136
60.1	18	3173+08	17	138

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

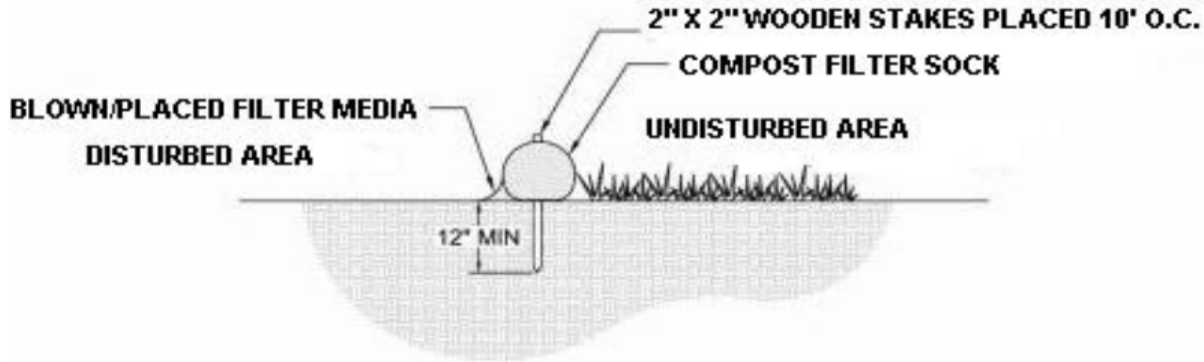


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.1	18	3173+25	17	138
60.1	18	3173+42	17	136
60.1	18	3173+62	17	133
60.1	18	3173+78	17	132
60.1	18	3173+99	18	105
60.1	18	3174+19	18	105
60.1	18	3174+39	18	107
60.1	18	3174+60	18	105
60.1	18	3174+78	18	103
60.1	18	3174+91	18	102
60.1	12	3175+72	19	24
60.2	12	3176+24	17	44
60.2	12	3176+69	16	63
60.2	12	3176+91	16	9
60.2	12	3176+99	16	16
60.2	12	3177+17	15	22
60.2	12	3177+33	14	28
60.2	18	3177+99	13	109
60.2	12	3178+45	12	99
60.2	12	3178+66	14	78
60.2	12	3178+85	15	13
60.2	12	3179+00	20	26
60.3	12	3181+94	8	46
60.3	12	3182+06	7	103
60.3	12	3183+40	31	13
60.3	12	3183+58	19	46

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

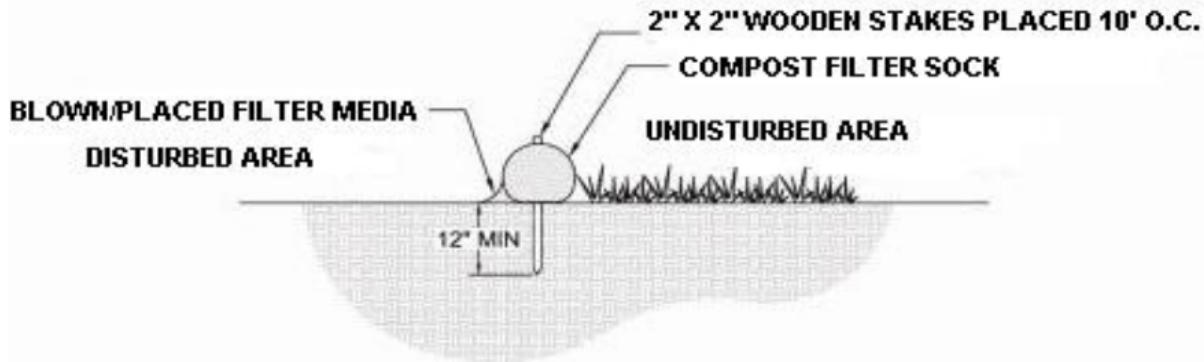


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.3	32	3184+45	31	94
60.3	24	3184+51	30	96
60.3	32	3184+54	29	103
60.3	32	3184+57	29	111
60.3	24	3184+79	30	93
60.3	24	3185+03	33	70
60.3	18	3185+24	34	50
60.3	12	3185+43	35	29
60.3	12	3185+58	34	14
60.3	18	3185+79	34	45
60.3	12	3185+98	35	27
60.3	12	3186+13	35	11
60.3	18	3186+36	33	44
60.4	12	3186+53	32	28
60.4	12	3186+70	29	12
60.4	12	3186+90	22	47
60.4	12	3187+07	19	32
60.4	12	3187+29	18	13
60.4	12	3187+61	12	60
60.4	12	3187+81	11	41
60.4	12	3188+00	11	23
60.4	12	3188+30	7	97
60.4	12	3188+50	7	80
60.4	12	3188+79	6	51
60.4	12	3189+00	5	33
60.4	12	3189+39	3	46

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

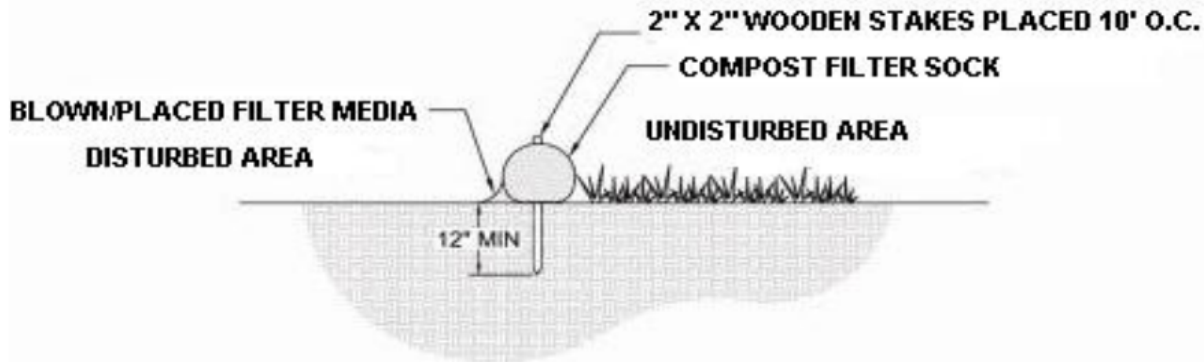


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.4	12	3189+78	2	28
60.4	12	3191+09	2	26
60.5	12	3193+99	14	71
60.5	12	3194+19	13	96
60.5	18	3194+44	12	127
60.5	12	3194+84	8	14
60.5	12	3195+01	8	29
60.5	12	3195+21	8	48
60.5	12	3196+06	8	110
60.5	12	3196+47	8	135
60.6	12	3197+19	7	44
60.6	12	3197+41	12	33
60.6	12	3197+42	10	73
60.6	12	3197+42	11	53
60.6	12	3197+43	13	17
60.6	12	3197+76	7	80
60.6	12	3198+23	7	109
60.6	12	3198+47	14	54
60.6	12	3198+68	12	44
60.6	12	3199+46	15	41
60.6	12	3199+84	5	49
60.6	12	3200+04	3	54
60.6	12	3200+31	3	54
60.6	12	3200+58	5	23
60.6	12	3201+47	4	99
60.6	12	3201+68	3	22

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

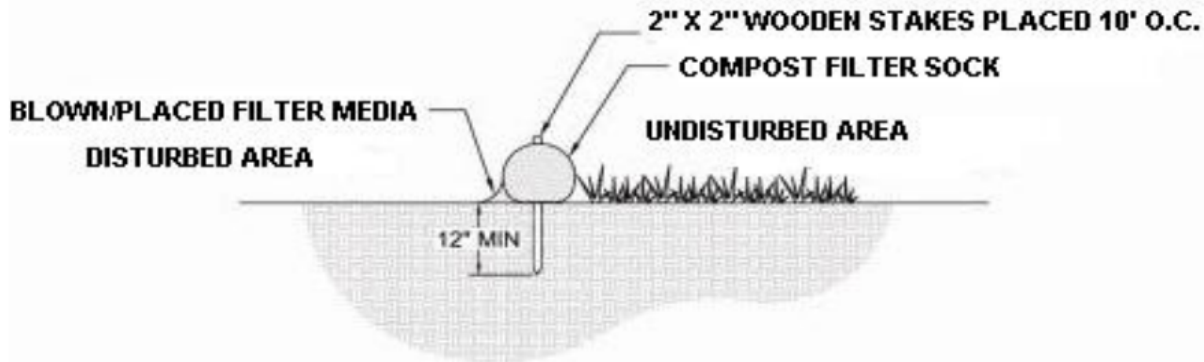


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.6	12	3202+18	4	24
60.6	12	3202+18	4	41
60.6	12	3202+28	4	22
60.7	12	3202+36	4	25
60.7	12	3202+90	6	106
60.7	12	3202+93	7	117
60.7	12	3203+01	7	95
60.7	12	3203+11	7	82
60.7	12	3203+51	8	51
60.7	12	3203+58	7	36
60.7	12	3203+63	8	45
60.7	12	3203+87	7	19
60.7	12	3203+95	7	11
60.7	12	3203+96	5	21
60.7	12	3204+09	0	16
60.7	12	3204+26	5	84
60.7	12	3204+29	6	101
60.7	12	3204+43	7	140
60.7	12	3205+02	6	87
60.7	12	3205+09	6	70
60.7	12	3205+71	9	98
60.7	12	3205+87	8	81
60.7	12	3206+07	8	67
60.7	12	3206+30	8	53
60.7	12	3206+53	9	38
60.7	12	3207+45	9	100

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

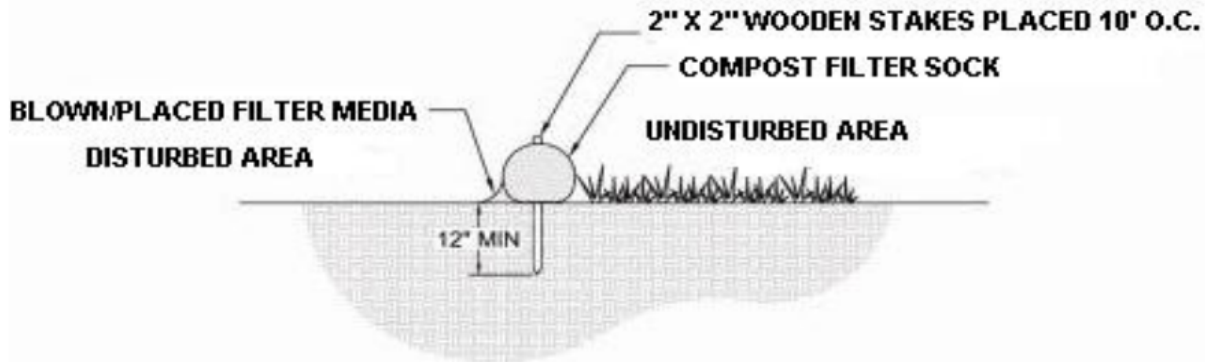


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.8	12	3207+62	9	87
60.8	12	3207+88	9	67
60.8	12	3208+19	10	44
60.8	12	3208+40	10	34
60.8	12	3208+63	10	22
60.8	12	3208+87	11	11
60.8	12	3209+20	11	88
60.8	12	3209+37	11	76
60.8	12	3209+59	12	56
60.8	12	3209+81	12	33
60.8	12	3209+98	13	19
60.8	12	3210+35	10	118
60.8	12	3210+57	10	98
60.8	12	3210+84	10	71
60.8	12	3211+10	9	48
60.8	12	3211+34	9	24
60.8	12	3211+66	8	129
60.8	12	3211+91	8	108
60.8	12	3212+20	7	84
60.8	12	3212+39	7	67
60.9	12	3213+00	8	18
60.9	12	3213+42	8	121
60.9	12	3213+69	8	86
60.9	12	3213+98	8	56
60.9	12	3214+24	8	31
60.9	12	3214+63	6	125

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

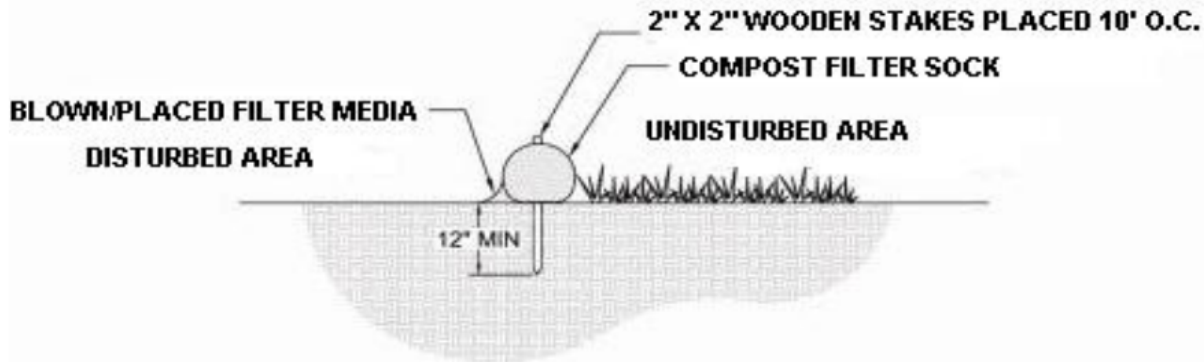


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
60.9	12	3214+81	7	101
60.9	12	3215+23	7	62
60.9	12	3215+65	7	29
60.9	18	3216+06	4	255
60.9	12	3216+21	4	239
60.9	12	3216+33	4	226
60.9	12	3216+94	4	165
60.9	12	3217+35	4	123
60.9	12	3217+86	3	75
61.0	18	3218+54	3	251
61.0	12	3218+89	3	221
61.0	12	3219+39	3	178
61.0	12	3220+24	3	104
61.0	24	3221+58	2	412
61.1	18	3226+67	2	347
61.1	24	3227+15	2	375
61.2	12	3229+05	2	244
61.2	12	3229+87	5	46
61.2	18	3230+32	3	310
61.2	18	3230+87	4	284
61.2	18	3231+59	6	207
61.2	18	3231+72	6	243
61.2	18	3232+17	8	210
61.2	18	3232+80	9	224
61.2	24	3233+45	9	253
61.2	24	3233+86	9	273

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

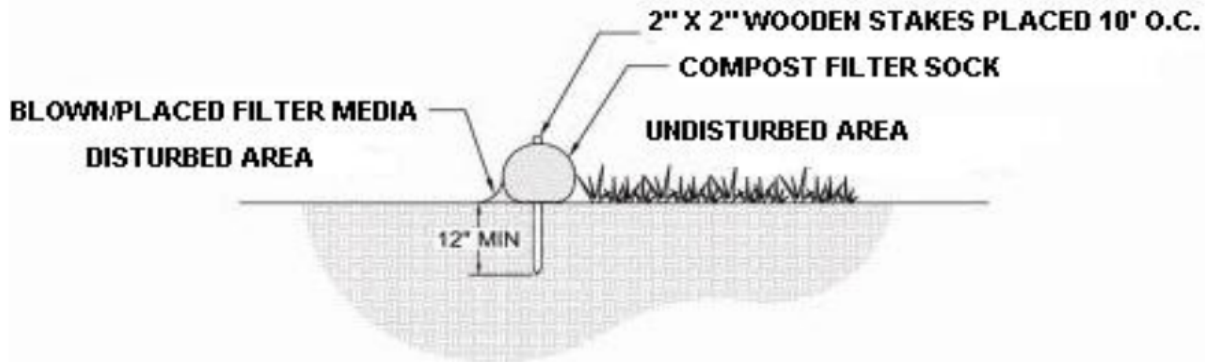


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
61.3	24	3234+23	9	293
61.3	24	3234+34	9	292
61.3	32	3234+49	9	305
61.3	32	3234+69	9	324
61.3	32	3234+91	9	341
61.3	32	3234+96	9	333
61.3	32	3235+21	9	347
61.3	12	3235+34	13	7
61.3	12	3235+49	16	19
61.3	12	3235+68	17	36
61.3	12	3235+86	15	64
61.3	18	3236+04	16	80
61.3	18	3236+23	16	97
61.3	18	3236+40	16	111
61.3	18	3236+60	16	128
61.3	12	3236+87	13	19
61.3	12	3237+07	13	37
61.3	12	3237+27	13	54
61.3	12	3237+49	14	74
61.3	12	3237+68	14	90
61.3	18	3237+96	14	114
61.3	18	3238+17	14	134
61.3	18	3238+38	14	152
61.4	12	3239+58	17	13
61.4	12	3240+59	28	11
61.4	12	3240+87	30	41

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

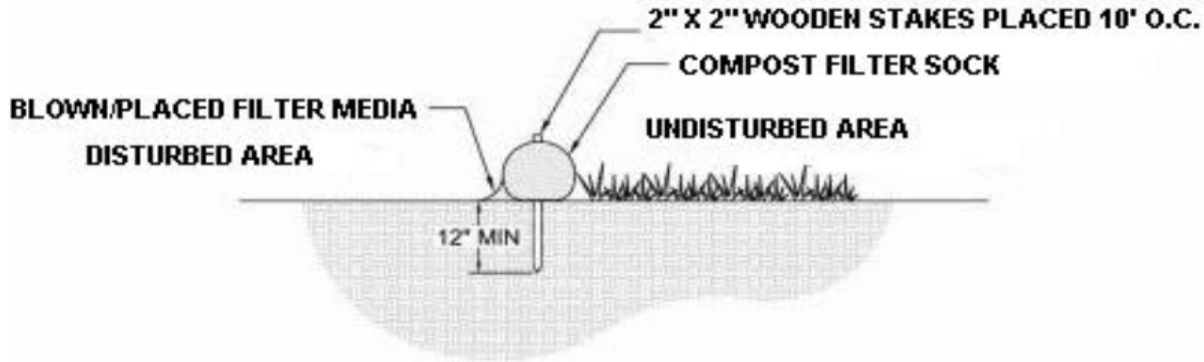


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
61.4	12	3242+09	18	11
61.4	12	3242+39	17	40
61.4	18	3242+80	17	81
61.4	18	3243+01	18	96
61.4	18	3243+02	20	93
61.4	18	3243+09	17	110
61.4	18	3243+10	20	98
61.4	18	3243+22	19	112
61.4	18	3243+32	18	129
61.4	18	3243+36	17	136
61.4	12	3244+35	9	78
61.4	12	3244+35	10	102
61.5R3	18	3244+35	11	120
61.5R3	12	3245+02	10	71
61.5R3	12	3245+09	9	67
61.5R3	12	3245+37	2	73
61.5R3	12	3245+44	2	75
61.5R3	12	3245+73	3	17
61.5R3	12	3245+74	3	27
61.5R3	12	3248+48	4	107
61.6R3	12	3250+29	4	109
61.6R3	12	3251+05	3	77
61.6R3	12	3251+41	3	133
61.6R3	12	3251+53	3	137
61.6R3	12	3252+23	2	102
61.6R3	12	3253+07	2	145

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

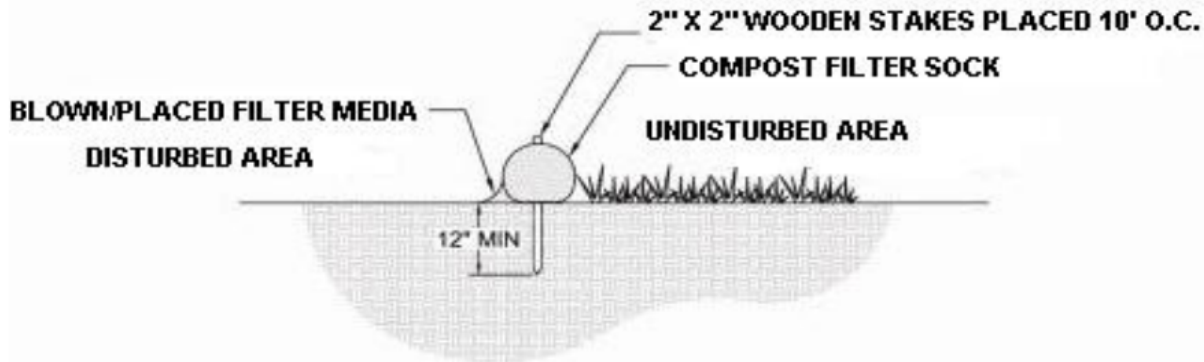


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
61.6R3	12	3254+23	3	107
61.6R3	12	3255+05	3	186
61.7R3	12	3255+63	3	125
61.7R3	12	3256+73	4	144
61.7R3	12	3257+23	3	92
61.7R3	12	3257+71	2	42
61.9R3	12	3267+84	2	118
61.9R3	12	3268+06	2	77
61.9R3	12	3268+29	1	66
61.9R3	12	3270+23	2	42
62.0R3	12	3271+05	2	35
62.0R3	12	3271+83	3	82
62.0R3	12	3272+79	3	94
62.0R3	12	3273+15	3	131
62.0R3	12	3274+63	6	140
62.0R3	12	3274+85	9	18
62.0R3	12	3274+85	9	33
62.1R3	12	3276+45	6	120
62.1R3	18	3276+71	6	153
62.1R3	12	3276+90	9	25
62.1R3	12	3277+18	8	54
62.1R3	12	3277+70	6	135
62.1R3	12	3279+71	6	124
62.2R3	12	3281+63	5	123
62.2R3	12	3282+59	5	129
62.2R3	12	3283+02	5	131

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

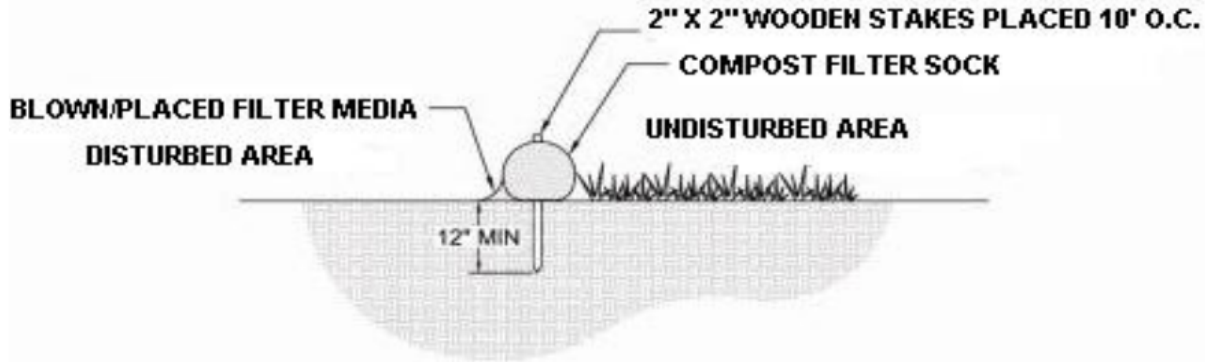


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
62.2R3	12	3283+30	4	18
62.2R3	12	3284+06	4	87
62.2R3	12	3284+33	5	107
62.2R3	12	3284+63	5	135
62.2R3	18	3284+88	6	157
62.2R3	18	3285+09	7	173
62.2R3	12	3285+47	10	25
62.2R3	12	3285+71	10	49
62.2R3	12	3285+97	9	75
62.3R3	12	3286+23	9	101
62.2R3	12	3286+30	12	60
62.3R3	12	3286+47	8	126
62.2R3	12	3286+47	11	91
62.3R3	12	3286+58	10	112
62.3R3	12	3286+59	8	147
62.3R3	12	3287+10	5	14
62.3R3	12	3287+59	6	94
62.3R3	18	3287+90	8	170
62.3R3	12	3288+33	3	41
62.3R3	12	3288+40	4	171
62.3R3	12	3288+48	4	57
62.3R3	12	3288+81	6	15
62.3R3	12	3288+98	5	18
62.3R3	12	3289+72	4	85
62.3R3	12	3290+36	4	127
62.3R3	12	3290+49	3	117

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

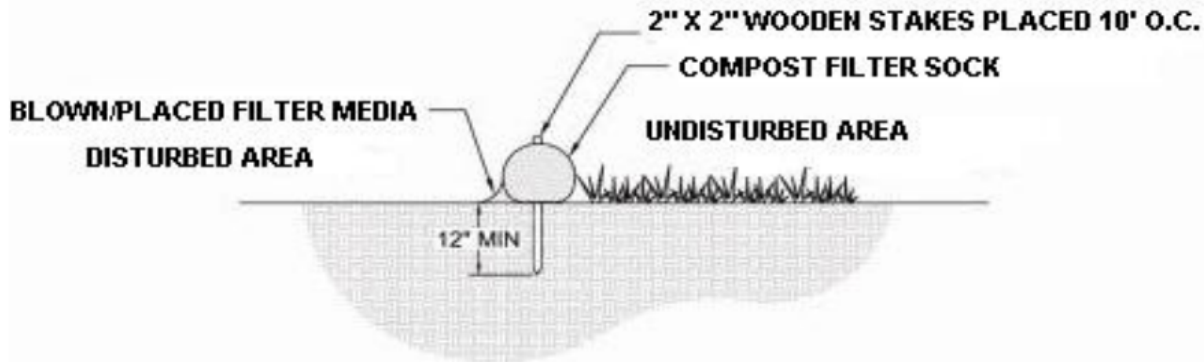


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
62.3R3	12	3290+63	3	116
62.3R3	12	3291+32	5	56
62.3R3	12	3291+70	6	56
62.4R3	12	3292+20	4	125
62.4R3	12	3293+02	4	171
62.4R3	12	3293+13	4	178
62.4R3	12	3293+13	4	173
62.4R3	12	3293+15	4	188
62.4R3	12	3293+28	4	90
62.4R3	12	3293+57	3	31
62.4R3	12	3293+70	3	15
62.4R3	12	3293+83	5	28
62.4R3	12	3294+54	3	89
62.4R3	12	3296+05	2	35
62.4R3	12	3296+87	2	111
62.4R3	12	3296+91	2	117
62.4R3	12	3296+95	3	122
62.5R3	12	3297+38	2	82
62.5R3	12	3298+22	2	215
62.5R3	12	3298+37	1	40
62.5R3	12	3298+64	3	174
62.5R2	12	3298+96	2	152
62.5R3	12	3299+44	2	68
62.5R3	12	3300+52	2	135
62.6	32	3301+79	5	529
62.5R2	24	3301+97	4	394

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

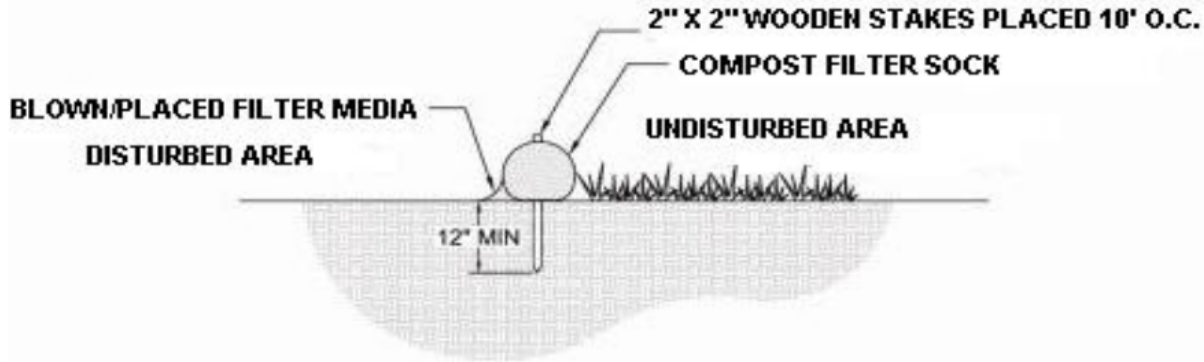


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
62.6	32	3302+34	5	559
62.5R2	24	3302+79	4	436
62.6	12	3302+80	5	123
62.6	32	3304+71	5	583
62.6	32" DURASOXX	3305+85	4	720
62.6	12	3307+00	3	78
62.7	12	3307+95	3	142
62.8R3	12	3315+26	10	16
62.8R3	12	3315+34	8	29
62.8R3	12	3315+50	1	70
62.8R3	12	3316+24	6	96
62.8R3	12	3316+27	7	31
62.8R3	12	3316+28	3	32
62.8R3	12	3316+79	5	31
62.8R3	12	3316+84	2	37
62.8R3	12	3317+17	6	51
62.8R3	12	3317+43	2	31
62.9R3	12	3320+12	0	60
62.9R3	18	3321+15	3	285
63.0R3	12	3324+22	4	173
63.0R3	12	3324+72	4	114
63.0R3	12	3325+21	4	63
63.0R3	18	3325+85	3	271
63.0R3	12	3326+56	3	204
63.1R3	32" DURASOXX	3334+29	2	671
63.4	12	3344+83	3	67

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

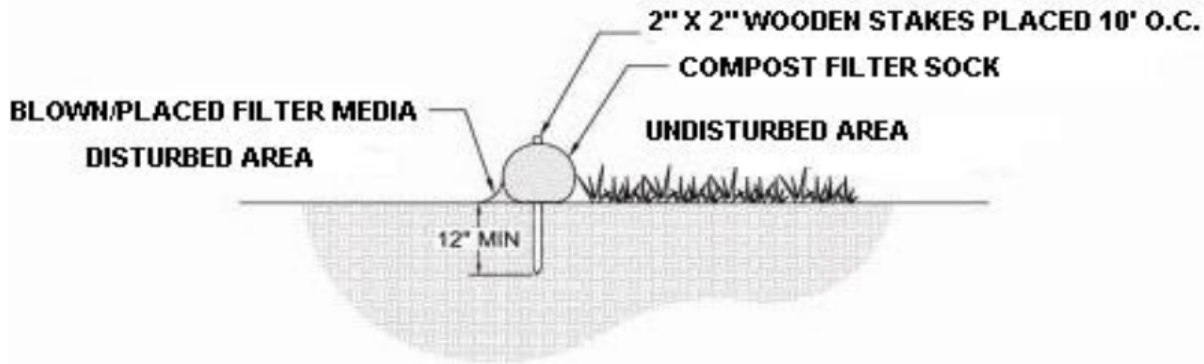


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
63.4R3	12	3345+64	2	96
63.4	12	3346+55	6	36
63.5	12	3352+58	2	106
63.5	18	3354+31	2	299
63.5	12	3354+79	1	96
63.5	12	3355+18	13	19
63.5	12	3355+26	11	22
63.6R2	12	3355+45	4	31
63.6R2	12	3355+51	9	23
63.6R2	12	3358+50	4	229
63.6R2	12	3359+18	3	74
63.6R2	12	3359+48	2	37
63.6R2	12	3359+83	2	22
63.7R2	12	3361+01	1	53
63.7R2	12	3362+32	3	57
63.7R2	12	3362+54	3	123
63.7R2	12	3363+36	2	108
63.7R2	12	3364+29	3	48
63.7R2	12	3364+98	4	56
63.7R2	12	3365+38	4	169
63.8	32	3366+24	3	592
63.8	12	3367+08	2	27
63.8	12	3367+59	4	48
63.8	18	3368+13	5	254
63.8	18	3368+63	6	185
63.8	12	3369+39	7	104

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

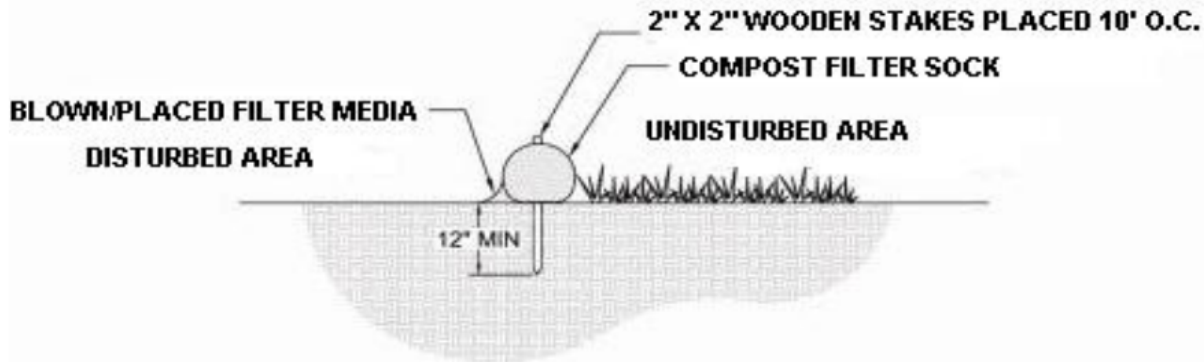


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
63.8	12	3369+69	7	69
63.8	12	3369+96	6	40
63.8	12	3370+21	4	14
63.8	12	3370+41	3	181
63.8	12	3370+58	2	183
63.8	12	3371+17	1	228
63.9	12	3371+36	1	209
63.9	12	3371+85	1	188
63.9	12	3372+17	1	180
63.9	12	3372+94	8	46
63.9	12	3373+13	7	60
63.9	12	3373+49	3	210
63.9	18	3374+12	3	313
63.9	12	3374+59	4	130
64.0R3	12	3377+79	1	118
64.0R3	12	3379+29	0	223
64.0R3	12	3380+95	0	175
64.0R3	18	3381+65	2	322
64.1R3	18	3382+45	1	292
64.1R3	24	3383+17	2	361
64.1R3	24	3384+04	2	393
64.1R3	32" DURASOXX	3385+89	2	754
64.1R3	12	3386+58	4	29
64.2R3	12	3387+44	3	105
64.2R3	12	3387+91	3	148
64.2R3	18	3389+11	2	264

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

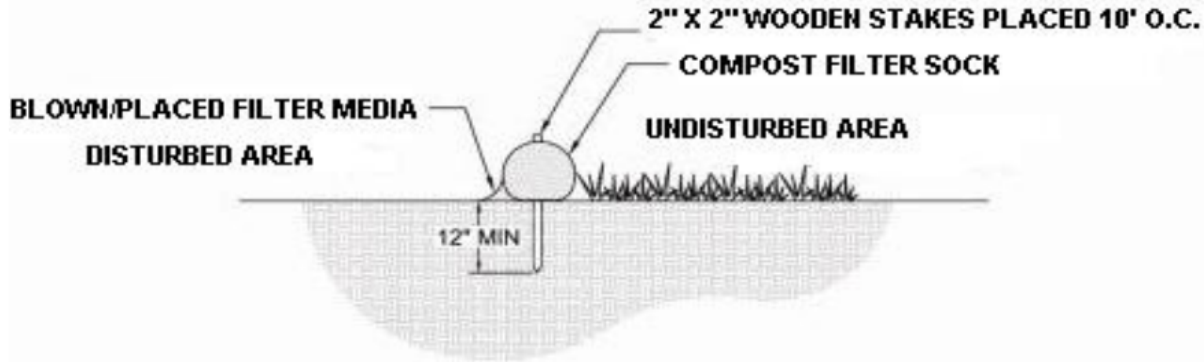


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
64.2R3	32	3391+14	2	622
64.3R2	12	3392+43	3	171
64.3R2	12	3393+72	4	164
64.3R2	12	3394+82	3	126
64.3R2	12	3395+30	3	123
64.3R2	12	3396+27	3	61
64.3R2	12	3396+31	2	115
64.3R2	12	3396+65	5	36
64.3R2	12	3397+32	1	62
64.4R3	12	3398+20	1	75
64.4R3	12	3398+67	1	240
64.4R3	12	3399+51	2	185
64.5R4	12	3404+31	0	57
64.8R4	12	3422+69	2	78
64.9R4	12	3426+21	3	215
64.9R4	12	3429+07	6	46
64.9R4	12	3429+47	7	13
64.9R4	12	3429+74	5	113
65.0R4	12	3430+39	6	60
65.0R4	12	3431+04	6	12
65.0R4	12	3431+42	8	66
65.0R4	12	3432+14	7	57
65.0R4	12	3432+58	1	127
65.0R4	12	3433+37	1	38
65.0R4	12	3433+37	2	77
65.0R4	12	3433+54	2	77

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

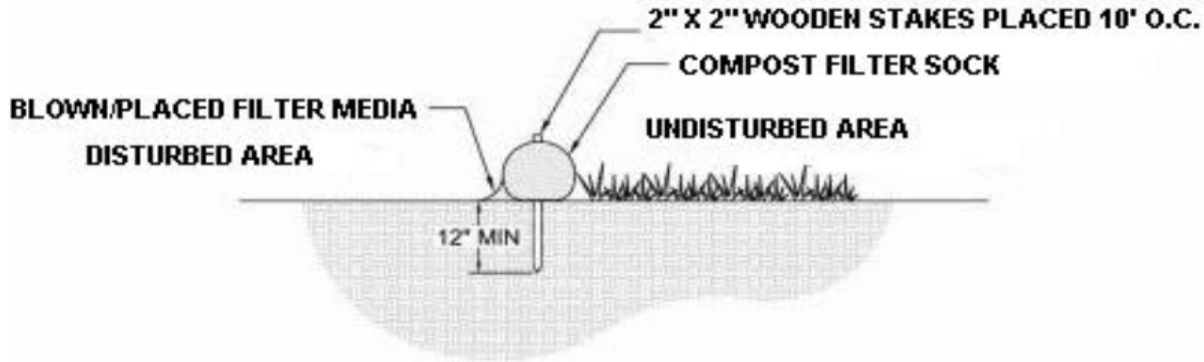


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
65.1	12	3434+83	2	130
65.1	12	3436+99	0	187
65.1	12	3437+29	2	38
65.1	12	3437+59	1	51
65.2	12	3443+84	2	224
65.2	12	3445+10	7	25
65.3	12	3447+00	2	202
65.4	18	3452+99	1	267
65.4	12	3453+36	1	199
65.4	12	3455+52	2	231
65.5	12	3455+95	2	184
65.5	12	3457+11	2	120
65.5	12	3458+47	5	154
65.5	12	3458+77	5	126
65.5	12	3459+48	6	65
65.5	12	3459+88	5	44
65.5	24	3460+26	2	423
65.6	24	3461+62	2	391
65.6	12	3462+44	3	60
65.6	12	3462+64	3	71
65.6	12	3463+22	4	42
65.6	12	3464+19	3	128
65.6	12	3465+33	3	117
65.7	12	3466+61	2	190
65.7	12	3466+87	2	207
65.7	12	3467+63	2	83

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

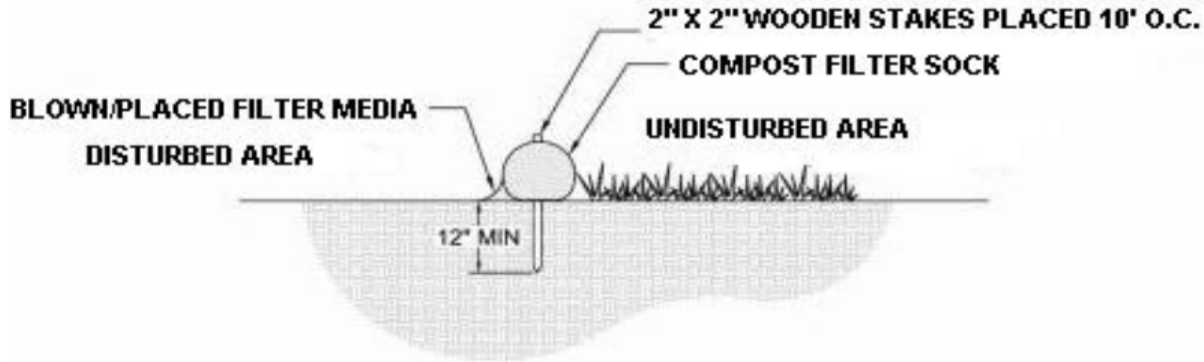


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
65.7	12	3468+33	2	116
65.7	12	3469+16	2	206
65.7	18	3469+45	1	251
65.7	12	3471+26	3	13
65.8	12	3473+24	4	163
65.8	12	3475+14	2	138
65.8	12	3475+63	2	46
65.9	12	3477+56	1	114
65.9	12	3478+54	2	195
65.9	12	3478+87	3	171
65.9	12	3480+21	3	42
65.9	12	3480+73	4	13
65.9	12	3481+00	2	127
65.9	12	3481+57	2	85
65.9	12	3481+98	1	105
66.0	12	3483+03	0	126
66.0	12	3483+50	1	171
66.1	32" DURASOXX	3488+45	1	804
66.1	12	3489+08	2	106
66.1	12	3490+41	2	153
66.1	12	3490+74	2	114
66.1	12	3490+99	2	96
66.1	12	3492+07	2	76
66.2	24	3493+23	1	457
66.2	12	3493+44	1	248
66.2	24	3494+20	2	399

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

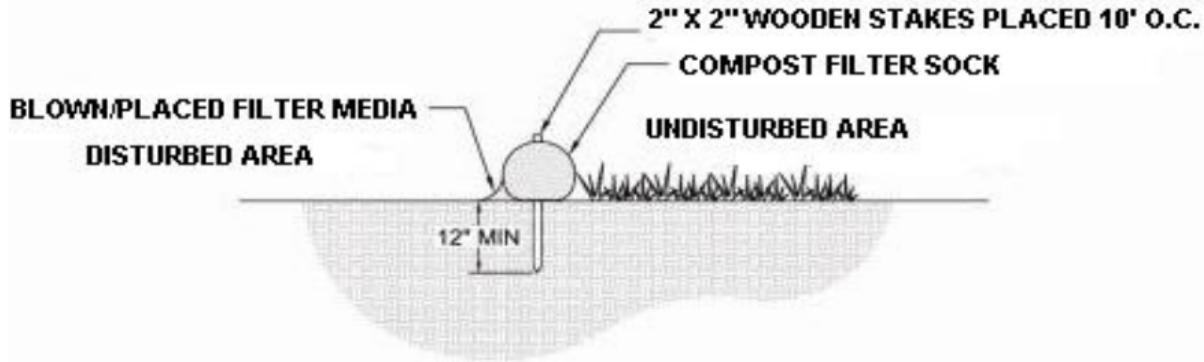


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
66.2	32" DURASOXX	3495+34	2	913
66.3	12	3498+70	3	210
66.3	12	3499+02	3	166
66.3	12	3499+69	3	87
66.3	12	3500+36	3	16
66.3	12	3501+20	2	184
66.3	12	3502+18	1	162
66.7	12	3520+89	1	193
66.7	12	3520+89	2	182
67.0	32	3535+16	3	504
67.0	24	3535+92	3	414
67.0	18	3539+21	6	249
67.1	12	3541+81	3	139
67.1	12	3542+29	3	98
67.2	12	3547+65	3	97
67.3	12	3555+75	4	137
67.4	12	3556+36	4	143
67.4	12	3556+74	5	132
67.4	12	3558+46	8	22
67.4	12	3558+91	6	53
67.4	12	3559+38	6	85
67.4	12	3559+77	7	14
67.4	12	3560+11	8	34
67.4	12	3560+45	7	54
67.5	12	3563+59	7	31
67.5	12	3564+75	4	121

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

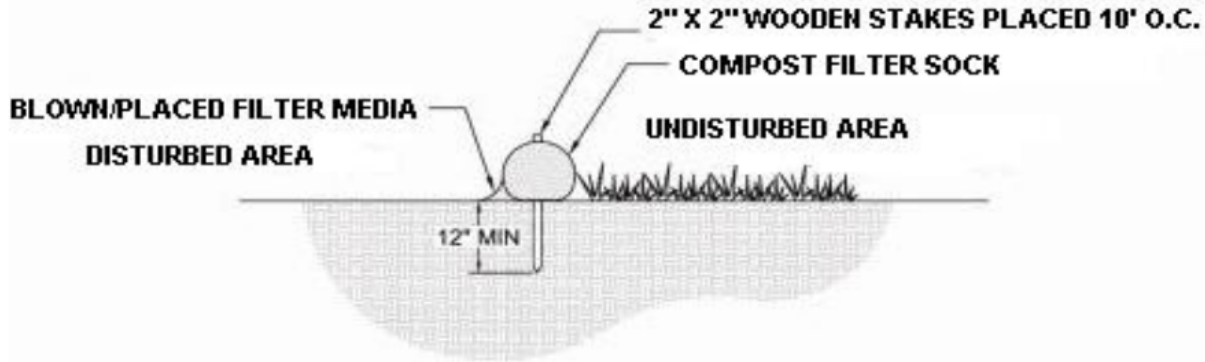


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
67.6R2	12	3566+87	3	54
67.6R2	12	3568+12	0	54
67.8R3	18	3581+34	2	282
67.8R3	18	3581+36	3	288
68.0R3	12	3589+27	1	134
68.1R3	12	3594+24	4	76
68.1R3	12	3594+66	4	120
68.1R3	12	3595+36	4	191
68.1R3	12	3595+96	4	249
68.1R3	12	3597+00	1	150
68.2R3	12	3600+74	2	238
68.2R3	24	3603+53	2	368
68.3R3	18	3604+45	3	258
68.3R3	18	3609+25	11	123
68.4R3	18	3609+60	11	131
68.4R3	12	3609+60	2	59
68.6	12	3621+58	2	227
68.6	12	3621+74	2	238
68.6	18	3621+77	2	297
68.6	12	3622+13	2	208
68.6	12	3622+57	3	69
68.6	12	3622+94	3	211
68.6	12	3623+85	3	180
68.6	12	3624+26	3	177
68.7	12	3625+20	4	188
68.7	12	3625+66	5	147

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

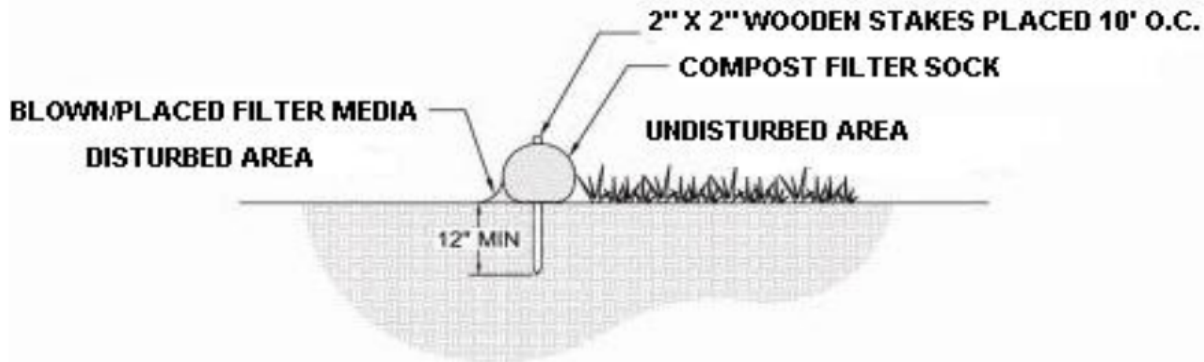


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
68.7	12	3626+15	5	94
68.7	12	3626+41	5	76
68.7	12	3627+30	1	72
68.7	12	3627+95	1	37
68.8	12	3630+48	2	78
68.8	12	3631+81	2	68
68.8	12	3633+02	4	43
68.8	12	3633+30	4	81
68.8	12	3633+60	5	87
68.9	18	3636+06	2	268
68.9	18	3636+22	2	288
68.9	18	3636+23	2	287
68.9	12	3638+80	3	229
68.9	18	3639+26	3	275
69.0R3	12	3640+53	3	248
69.0R3	12	3641+77	2	192
69.0R3	12	3642+76	2	85
69.0R3	12	3643+25	3	65
69.0R3	12	3643+43	4	35
69.0R3	12	3643+53	4	44
69.0R3	12	3643+63	4	53
69.0R3	12	3643+74	4	62
69.0R3	12	3643+84	4	78
69.0R3	12	3643+94	5	98
69.0R3	12	3645+49	4	181
69.0R3	12	3645+79	3	220

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

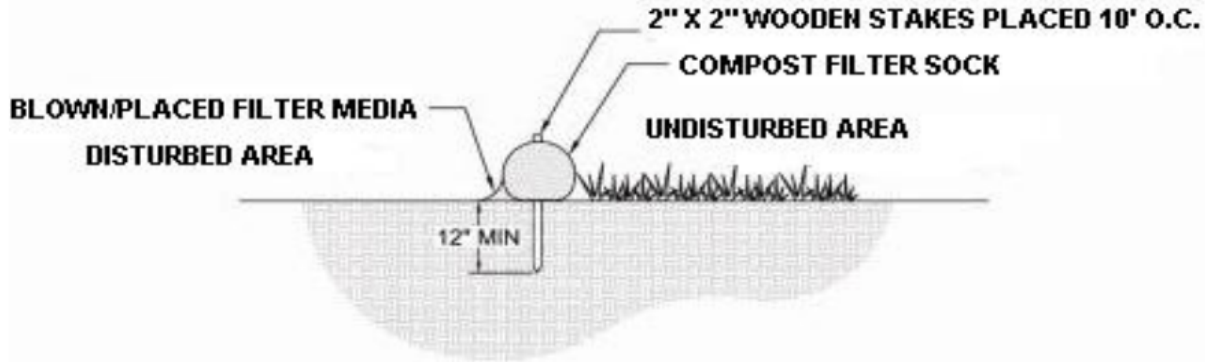


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
69.1R3	12	3646+15	3	249
69.1R3	24	3647+70	2	413
69.2R3	18	3651+93	2	294
69.2R3	18	3651+99	2	291
69.2R3	18	3652+25	2	285
69.2R3	12	3652+36	2	136
69.2R3	12	3653+05	1	192
69.2R3	12	3653+57	7	140
69.2R3	12	3653+71	7	132
69.2R3	12	3654+27	11	47
69.2R3	12	3654+28	11	84
69.2R3	12	3654+40	12	56
69.2R3	12	3654+52	12	48
69.2R3	12	3654+65	12	39
69.2R3	12	3654+77	12	36
69.2R3	12	3654+89	11	32
69.2R3	12	3655+06	11	32
69.2R3	12	3655+16	12	37
69.2R3	12	3655+32	13	48
69.2R3	12	3655+32	16	40
69.2R3	12	3655+43	14	45
69.2R3	12	3655+54	13	59
69.2R3	18	3656+12	3	300
69.3R3	18	3658+85	2	289
69.3R3	12	3660+00	2	143
69.3R3	18	3661+34	3	341

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

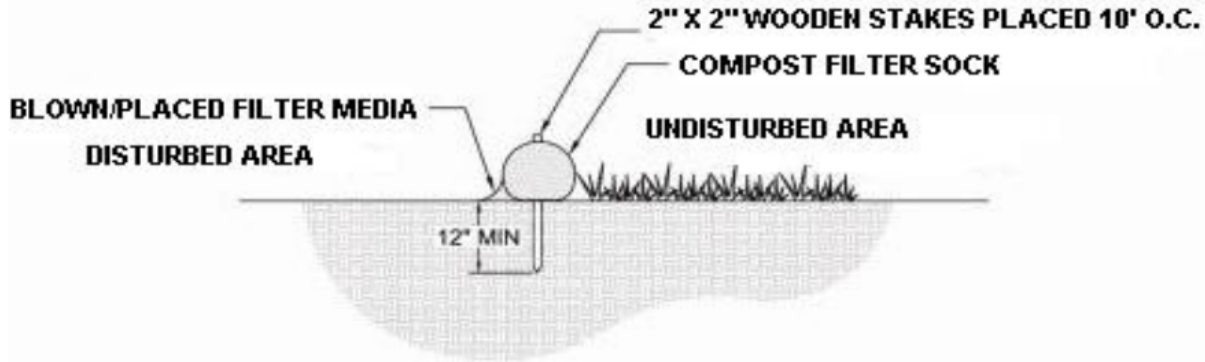


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
69.4R3	18	3661+50	3	310
69.4R3	12	3662+10	4	211
69.4R3	12	3662+25	4	192
69.4R3	12	3662+48	4	153
69.4R3	12	3664+43	4	125
69.4R3	12	3664+65	4	126
69.4R3	12	3664+83	4	130
69.4R3	12	3665+42	5	137
69.4R3	12	3666+43	3	145
69.6R4	12	3672+42	18	57
69.6R4	18	3673+18	10	155
69.6R4	12	3675+40	19	59
69.6R4	12	3678+50	0	246
69.8R3	12	3681+97	12	74
69.8R3	12	3683+13	13	76
69.8R3	12	3684+18	8	131
69.8R3	12	3684+57	10	109
69.8R3	12	3684+90	10	127
69.8R3	12	3685+05	9	139
69.8R3	24	3687+12	1	396
69.9R3	24	3688+42	1	453
69.9R3	18	3690+56	3	251
69.9R3	12	3691+48	2	186
70.0R4	18	3695+80	3	316
70.0R4	24	3697+47	2	407
70.0R4	12	3697+89	3	204

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

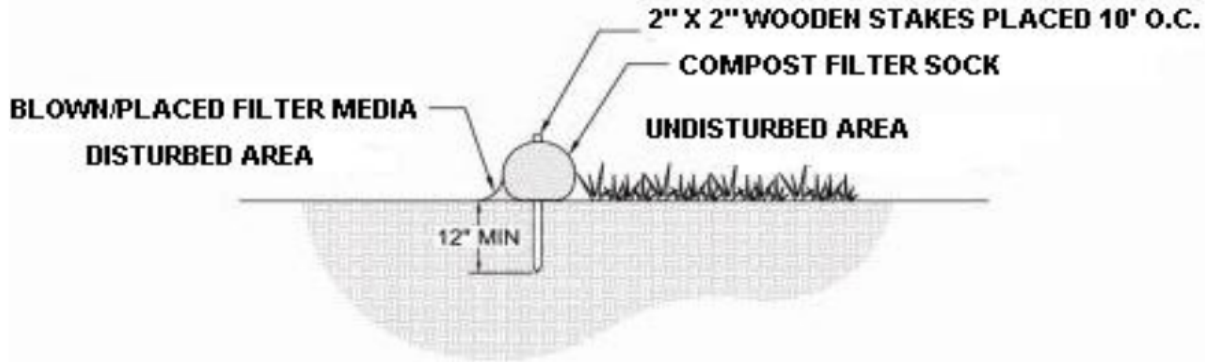


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
70.0R4	12	3698+05	7	68
70.0R4	24	3698+21	2	377
70.1R3	12	3698+44	7	42
70.1R3	12	3698+57	6	50
70.1R3	12	3698+66	5	29
70.1R3	12	3698+86	5	42
70.1R3	12	3698+87	5	75
70.1R3	12	3699+35	4	82
70.1R3	12	3699+95	3	40
70.1R3	12	3700+74	3	92
70.1R3	12	3701+59	3	93
70.1R3	12	3701+87	3	43
70.1R3	12	3702+03	3	56
70.1R3	12	3702+18	3	61
70.1R3	12	3702+35	3	35
70.1R3	12	3702+51	4	67
70.1R3	12	3702+75	4	129
70.1R3	18	3702+93	3	288
70.1R3	12	3703+34	4	149
70.2R3	18	3704+78	5	308
70.2R3	12	3705+85	3	129
70.2R3	12	3706+82	5	176
70.4R3	32" DURASOXX	3708+34	4	842
70.3R3	12	3710+50	3	211
70.3R3	12	3710+52	3	204
70.3R3	18	3712+84	4	293

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

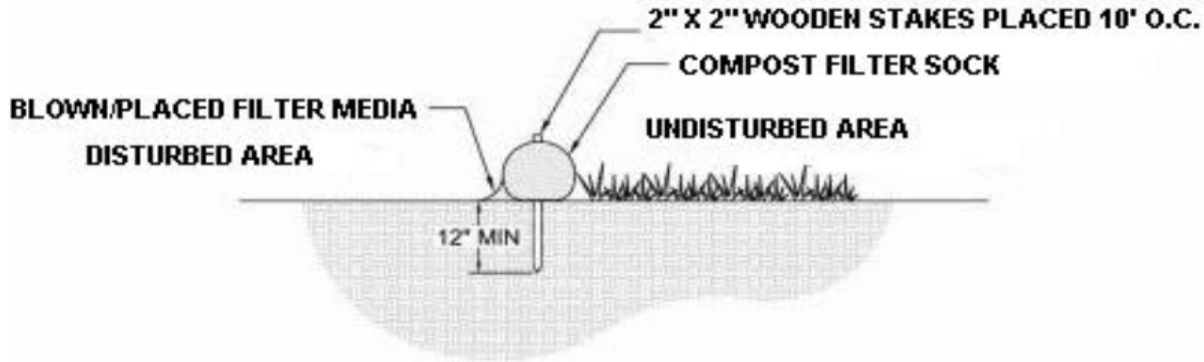


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
70.3R3	12	3713+22	5	243
70.3R3	12	3714+23	5	244
70.4R3	18	3715+73	4	300
70.4R3	12	3716+72	6	28
70.4R3	12	3716+99	5	51
70.4R3	12	3717+51	4	73
70.4R3	12	3718+16	4	142
70.4R3	12	3718+81	8	116
70.5R3	12	3719+71	8	22
70.5R3	12	3720+75	7	66
70.5R3	12	3721+21	5	112
70.5R3	12	3721+99	4	123
70.5R3	12	3722+51	2	125
70.5R3	12	3725+02	5	206
70.6R3	12	3725+72	3	185
70.6R3	12	3726+21	2	152
70.6R3	12	3726+35	1	144
70.6R3	12	3727+05	2	68
70.6R3	12	3727+23	11	34
70.6R3	12	3727+38	14	43
70.6R3	12	3727+51	15	57
70.6R3	12	3727+97	25	22
70.6R3	12	3728+10	29	37
70.6R3	18	3728+39	18	76
70.6R3	12	3728+41	2	25
70.6R3	12	3728+46	5	19

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

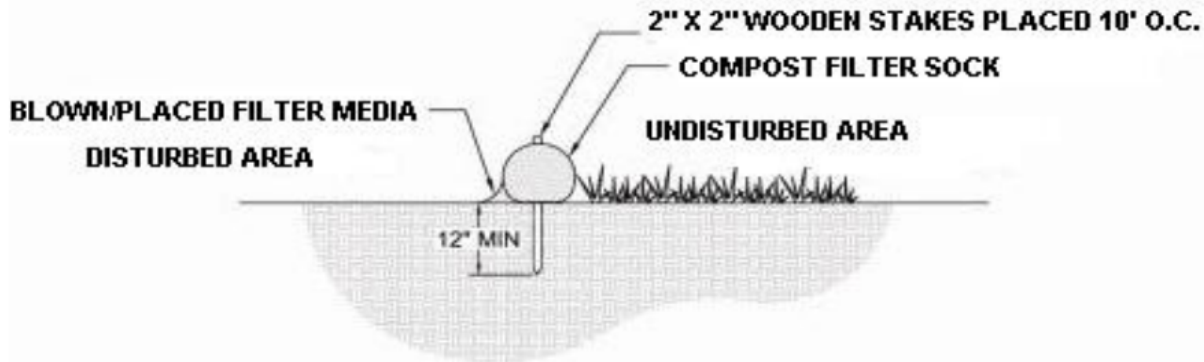


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
70.6R3	12	3728+47	2	18
70.6R3	18	3728+52	17	136
70.6R3	12	3728+98	14	24
70.6R3	12	3729+17	7	43
70.6R3	12	3729+25	7	25
70.6R3	18	3729+72	18	92
70.6R3	18	3729+84	21	80
70.6R3	18	3729+85	20	85
70.6R3	18	3729+89	19	86
70.6R3	32" DURASOXX	3730+43	5	791
70.6R3	24	3730+43	6	278
70.7R3	18	3730+43	3	257
70.6R3	18	3730+43	5	285
70.6R3	18	3730+43	3	304
70.6R3	18	3730+43	4	303
70.7R3	18	3730+43	4	272
70.7R3	18	3730+43	3	288
70.7R3	18	3730+43	2	259
70.7R3	12	3730+43	3	184
70.6R3	12	3730+43	7	111
70.6R3	12	3730+43	8	97
70.6R3	12	3730+43	5	195
70.6R3	12	3730+43	5	157
70.6R3	12	3730+43	5	143
70.6R3	12	3730+43	4	195
70.6R3	12	3730+43	3	171

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

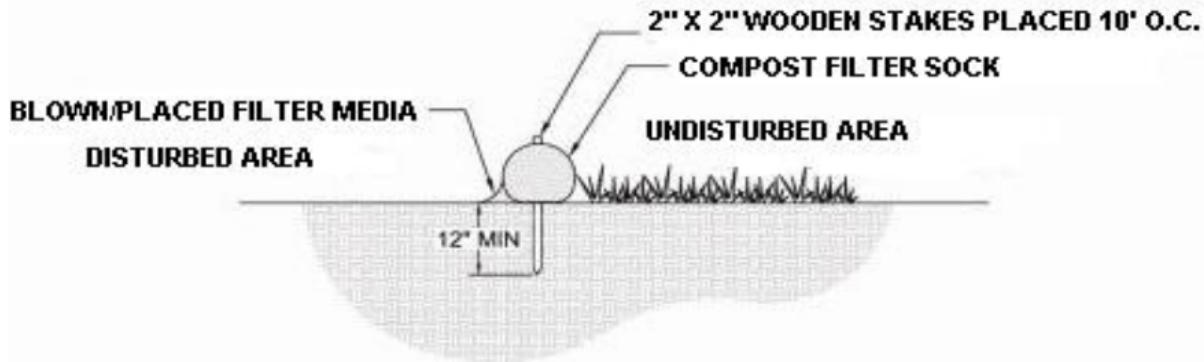


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
70.6R3	12	3730+43	3	125
70.6R3	12	3730+43	5	151
70.7R3	12	3730+43	2	228
70.7R3	12	3730+43	5	99
70.7R3	12	3730+82	30	19
70.7R3	12	3730+94	31	13
70.7R3	12	3731+39	36	32
70.7R3	12	3731+62	32	23
70.7R3	12	3731+85	37	13
70.7R3	12	3732+31	9	134
70.7R3	12	3732+49	9	136
70.7R3	12	3732+58	9	147
70.7R3	18	3733+16	7	221
70.7R3	12	3733+82	10	116
70.7R3	18	3733+92	16	71
70.7	12	3734+03	5	82
70.7R3	12	3734+09	20	47
70.7	12	3734+17	6	74
70.7R3	12	3734+26	22	32
70.7R3	12	3734+32	19	11
70.7R3	12	3734+49	8	43
70.7	12	3734+65	9	34
70.7R3	12	3734+76	5	34
70.7	12	3734+91	5	41
70.7R3	12	3734+92	5	37
70.7	12	3735+15	5	36

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

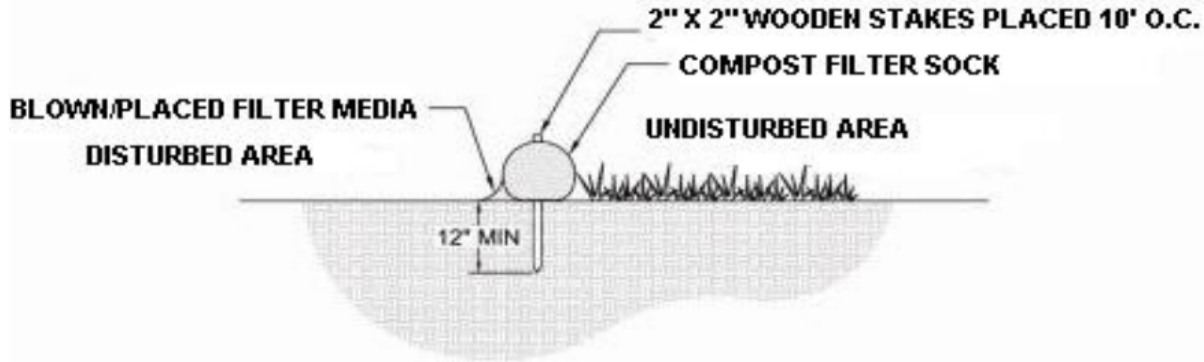


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
70.7	12	3735+23	5	44
70.7R3	12	3735+27	5	17
70.7	12	3735+58	3	78
70.8R3	12	3735+61	6	11
70.8	12	3736+17	4	100
70.8R3	12	3737+54	4	96
70.8R3	12	3738+82	4	117
70.8R3	12	3739+07	4	95
70.8R3	12	3739+64	1	59
70.9R3	12	3741+76	2	180
70.9R3	12	3742+44	2	152
70.9R3	12	3742+51	3	189
70.9R3	12	3742+80	2	18
70.9R3	12	3743+02	2	150
70.9R3	12	3743+39	2	188
70.9R3	12	3743+80	2	122
70.9R3	12	3743+98	2	111
71.4	32	3772+37	8	381
71.4	12	3772+38	10	28
71.4	12	3772+38	16	56
71.4	12	3772+38	9	24
71.5	32	3772+61	8	345
71.5	12	3772+84	7	53
72.0	12	3802+53	8	21
72.0	12	3802+69	8	34
72.0	12	3802+91	8	51

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

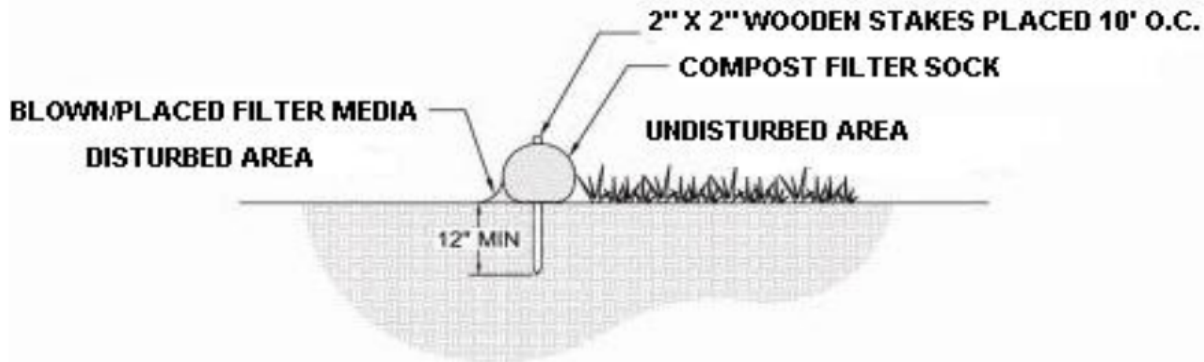


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
72.0	12	3803+11	9	64
72.1	12	3804+38	18	41
72.1	12	3804+58	18	61
72.1	18	3805+07	16	110
72.1	18	3805+22	15	124
72.1	18	3805+33	15	134
72.1	12	3805+55	10	14
72.1	12	3805+69	10	35
72.1	12	3805+98	9	14
72.1	12	3806+57	7	51
72.1	12	3806+57	7	61
72.1	12	3806+57	7	44
72.1	12	3806+59	8	19
72.1	12	3806+59	7	32
72.1	12	3806+59	5	45
72.1	12	3806+99	8	66
72.1	12	3807+01	7	47
72.1	12	3807+01	7	41
72.1	12	3807+58	8	87
72.1	12	3807+84	7	19
72.1	12	3808+42	7	56
72.1	12	3808+55	6	28
72.1	12	3808+59	6	60
72.1	12	3808+77	5	57
72.1	12	3808+95	5	58
72.1	12	3809+25	5	57

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

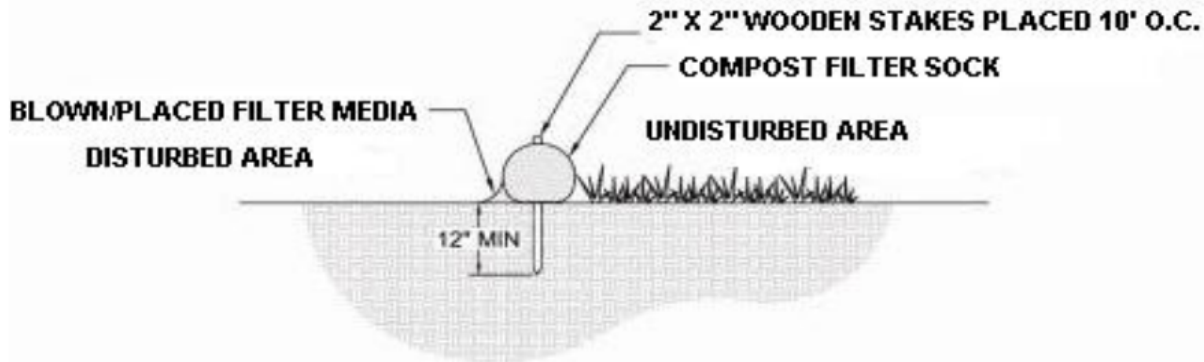


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
72.2	12	3809+58	7	41
72.2	12	3809+98	6	17
72.2	12	3810+32	6	67
72.2	12	3810+53	6	71
72.2	12	3810+83	6	71
72.2	12	3811+11	6	41
72.2	12	3811+27	6	32
72.2	12	3811+36	6	28
72.2	12	3811+53	6	12
72.2	12	3811+75	6	114
72.2	12	3812+01	6	81
72.2	12	3812+25	6	53
72.2	12	3812+47	7	31
72.2	12	3812+64	6	14
72.2	12	3812+84	6	84
72.2	12	3813+03	5	68
72.2	12	3813+29	5	47
72.2	12	3813+56	6	27
72.2	12	3813+78	6	10
72.2	12	3813+98	6	104
72.2	12	3814+18	6	87
72.2	12	3814+38	6	71
72.2	12	3814+54	6	57
72.2	12	3814+78	5	37
72.3	12	3815+01	5	18
72.3	12	3815+28	7	108

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

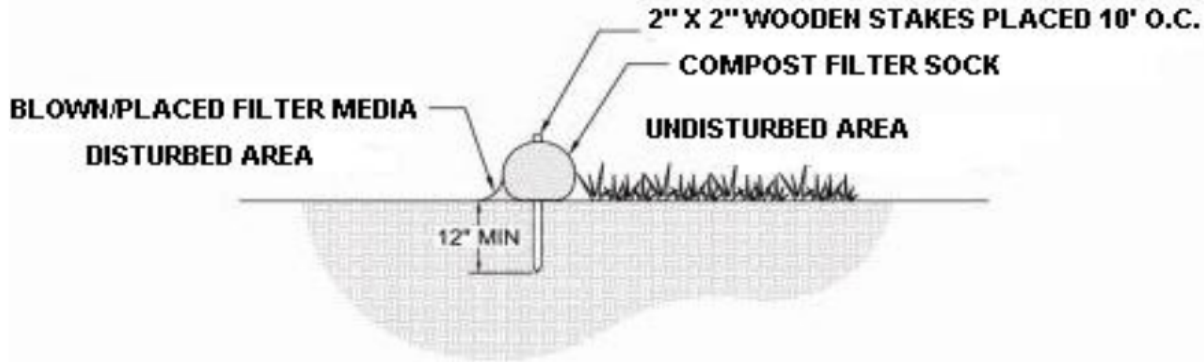


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
72.3	12	3816+86	7	98
72.3	12	3818+20	10	99
72.3	12	3819+49	10	100
72.4	12	3820+89	9	94
72.4	12	3821+14	9	86
72.4	12	3821+27	8	111
72.4	12	3821+33	8	97
72.4	12	3822+77	7	40
72.4	12	3822+98	8	102
72.4	12	3823+18	7	23
72.4	12	3823+21	5	26
72.4	12	3823+26	7	77
72.4	12	3823+76	8	74
72.4	12	3824+49	9	76
72.4	12	3824+58	8	61
72.4	12	3824+60	8	34
72.4	12	3824+67	8	45
72.5	12	3826+04	4	33
72.5	12	3826+05	5	34
72.5	12	3826+63	6	75
72.5	12	3827+12	5	92
72.5	12	3828+03	5	40
72.5	12	3828+58	3	147
72.5	12	3829+13	3	99
72.5	12	3829+32	3	84
72.5	12	3830+48	6	98

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

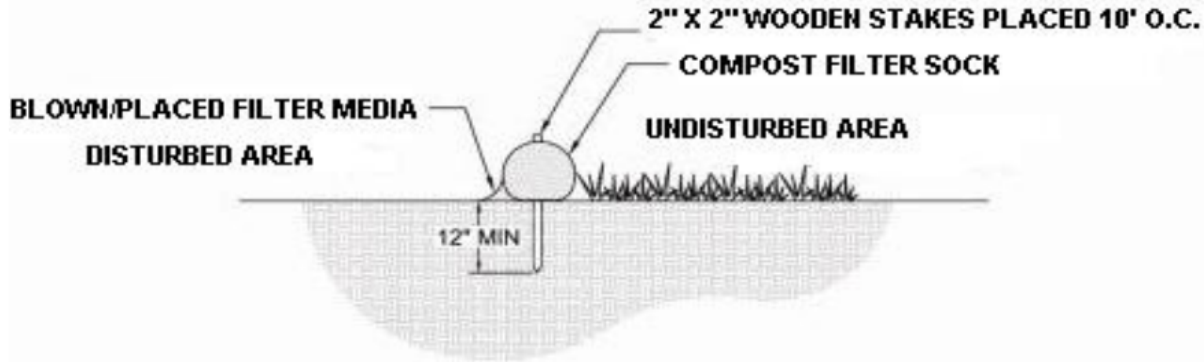


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
72.5	12	3830+64	6	87
72.6	12	3830+89	7	66
72.6	12	3831+02	7	47
72.6	12	3831+18	6	23
72.6	12	3831+30	7	10
72.6	12	3831+44	6	18
72.6	12	3831+71	5	88
72.6	12	3832+29	5	60
72.6	12	3833+21	7	63
72.6	12	3833+43	7	62
72.6	12	3833+59	7	53
72.6	12	3834+06	4	90
72.6	12	3834+34	4	68
72.6	12	3834+59	4	43
72.6	12	3835+28	3	35
72.7	12	3838+06	5	57
72.7	12	3838+28	4	35
72.7	12	3838+47	4	18
72.7	12	3838+80	8	91
72.7	12	3839+05	9	33
72.7	12	3839+10	9	58
72.7	12	3839+13	7	70
72.7	12	3839+34	7	66
72.7	12	3839+55	7	71
72.7	12	3839+55	7	52
72.7	12	3839+56	7	95

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

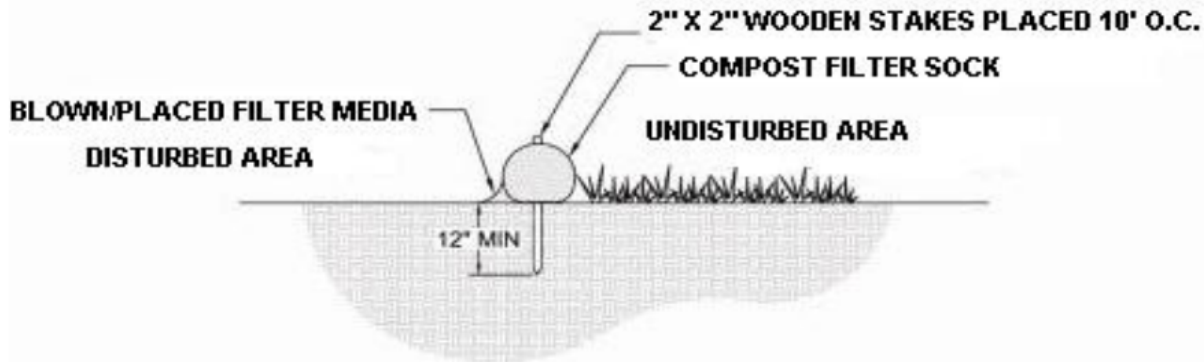


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
72.7	12	3839+82	7	101
72.7	12	3840+15	6	97
72.7	12	3840+49	6	97
72.7	12	3841+08	5	70
72.8	12	3841+71	7	55
72.8	12	3841+90	6	95
72.8	12	3842+06	5	93
72.8	12	3842+29	5	58
72.8	12	3842+50	5	40
72.8	12	3844+62	6	54
72.9	18	3848+21	8	230
72.9	18	3849+06	8	195
72.9	18	3849+53	8	169
72.9	12	3849+76	8	149
72.9	12	3849+99	8	132
72.9	12	3850+16	8	120
72.9	12	3850+40	8	132
72.9	12	3850+77	8	117
72.9	12	3851+00	8	106
72.9	12	3851+19	8	98
72.9	12	3851+40	7	90
73.0	12	3851+80	3	69
73.0	12	3852+07	2	53
73.0	12	3852+21	2	38
73.0	12	3852+34	1	26
73.0	12	3852+88	1	30

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

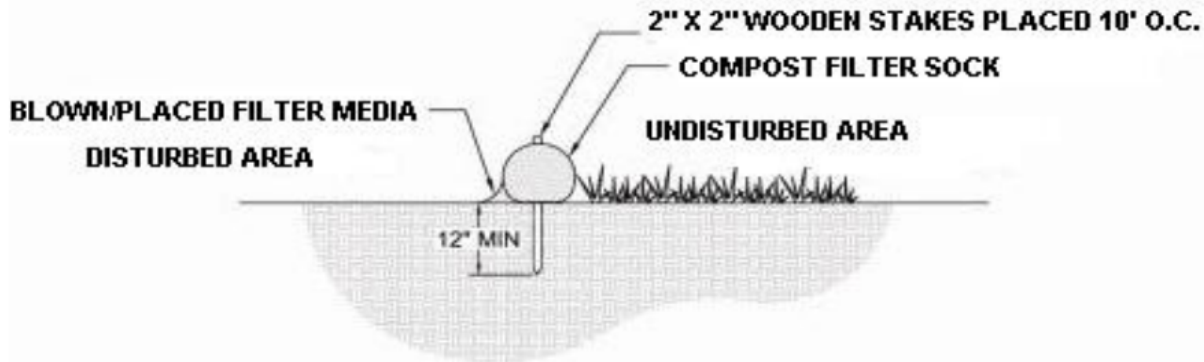


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.0	12	3853+18	2	88
73.0	12	3854+25	5	19
73.0	12	3854+26	5	27
73.0	12	3854+55	3	54
73.0	12	3855+25	4	88
73.0	12	3855+96	4	38
73.1	12	3857+04	4	12
73.1	12	3858+26	3	18
73.1	12	3858+69	3	84
73.1	12	3859+04	5	15
73.1	12	3859+67	5	71
73.1	12	3859+86	4	82
73.1	12	3860+42	2	207
73.1	18	3861+37	2	277
73.1	18	3862+14	2	319
73.2	12	3862+41	2	18
73.2	12	3862+60	3	35
73.2	12	3863+12	3	48
73.2	12	3863+20	3	69
73.2	12	3863+44	3	77
73.2	12	3863+58	2	96
73.2	12	3864+22	3	36
73.2	12	3864+85	3	98
73.2	12	3865+43	3	142
73.2	12	3865+75	2	23
73.2	12	3866+86	3	97

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

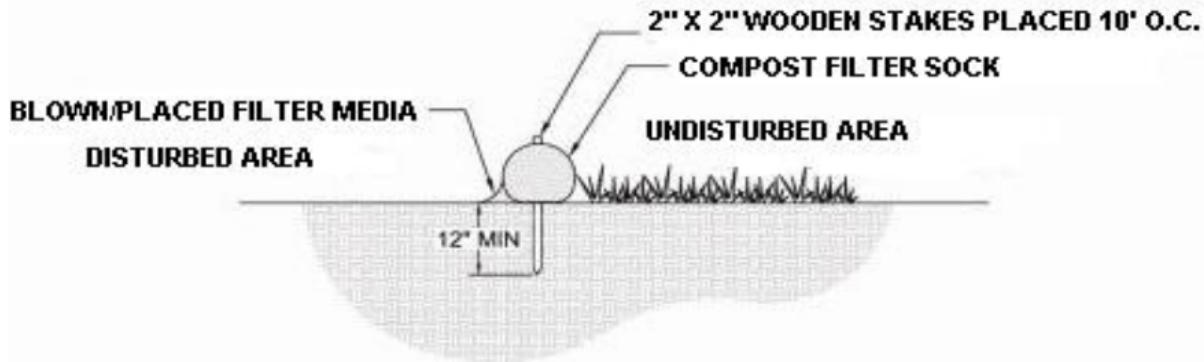


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.2	12	3867+34	3	35
73.3R2	12	3868+09	4	96
73.3R2	12	3868+69	6	118
73.3R2	12	3871+16	9	100
73.3R2	12	3871+50	9	98
73.3R2	12	3871+99	10	105
73.3R2	18	3872+54	12	107
73.3R2	18	3872+68	12	107
73.4R2	12	3873+00	12	99
73.4R2	18	3873+29	15	102
73.4R2	18	3873+46	16	104
73.4R2	18	3873+64	16	106
73.4R2	18	3874+13	16	99
73.4R2	12	3874+55	13	100
73.4R2	12	3875+19	10	110
73.4R2	12	3875+94	8	138
73.4R2	12	3876+18	8	135
73.4R2	12	3876+39	8	130
73.4R2	12	3876+68	7	12
73.4R2	12	3876+92	8	27
73.4R2	12	3877+17	9	52
73.4R2	12	3877+40	9	73
73.4R2	12	3877+73	9	17
73.4R2	12	3877+96	10	35
73.5R2	12	3878+20	10	52
73.5R2	12	3878+43	10	69

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

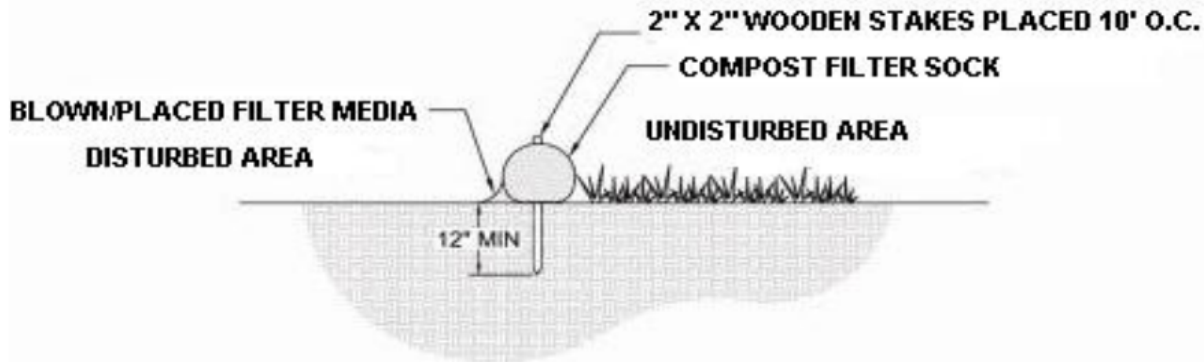


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.5R2	12	3878+63	11	85
73.5R2	18	3878+86	12	101
73.5R2	18	3879+04	12	117
73.5R2	12	3879+28	16	18
73.5R2	12	3879+51	15	41
73.5R2	12	3879+74	15	63
73.5R2	12	3879+97	14	90
73.5R2	18	3880+16	13	109
73.5R2	12	3880+54	12	7
73.5R2	12	3880+72	12	15
73.5R2	12	3880+94	11	31
73.5R2	12	3881+16	10	47
73.5R2	12	3881+44	10	62
73.5R2	12	3881+72	10	83
73.5R2	12	3881+99	9	106
73.5R2	12	3882+28	7	19
73.5R2	12	3882+52	7	43
73.5R2	12	3883+13	7	99
73.5R2	12	3883+28	6	115
73.6R2	12	3883+85	4	50
73.6R2	12	3883+99	4	59
73.6R2	12	3884+21	5	80
73.6R2	12	3884+44	6	103
73.6R2	12	3885+02	5	40
73.6R2	12	3885+15	5	53
73.6R2	12	3885+18	5	38

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

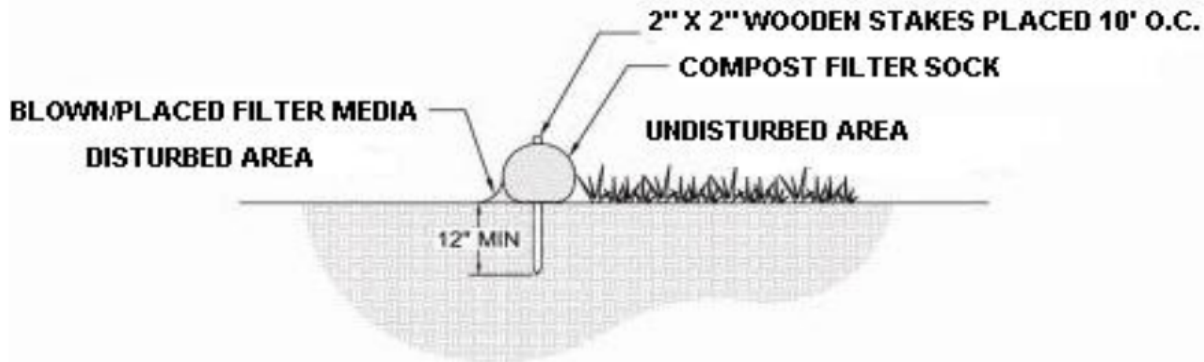


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.6R2	12	3885+18	5	49
73.6R2	12	3885+84	6	27
73.6R2	12	3886+47	6	73
73.6R2	12	3887+15	7	81
73.6R2	12	3887+38	6	63
73.6R2	12	3887+44	6	43
73.6R2	12	3887+69	5	89
73.6R2	12	3887+86	4	49
73.6R2	12	3888+26	3	19
73.6R2	12	3888+44	3	60
73.7R2	12	3889+01	3	54
73.7R2	12	3889+25	4	28
73.7R2	12	3889+59	4	115
73.7R2	12	3890+64	4	40
73.7R2	12	3891+66	6	28
73.7R2	12	3891+76	5	35
73.7R2	12	3891+84	5	26
73.7R2	12	3891+87	7	63
73.7R2	12	3891+93	7	61
73.7R2	12	3891+96	8	58
73.7R2	12	3892+73	6	29
73.7R2	12	3893+70	5	49
73.8R2	12	3894+27	4	14
73.8R2	12	3894+73	7	105
73.8R2	12	3895+32	7	51
73.8R2	12	3895+58	7	24

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

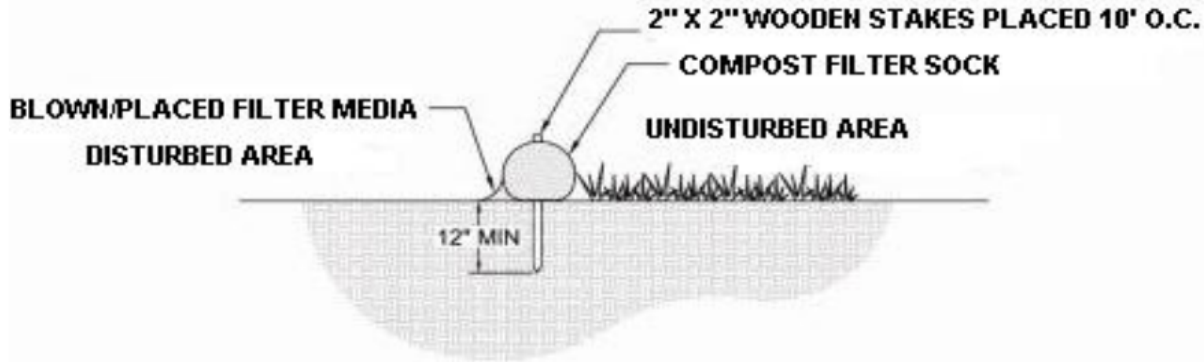


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.8R2	12	3895+91	9	108
73.8R2	12	3896+17	8	90
73.8R2	12	3896+48	7	69
73.8R2	12	3896+70	6	53
73.8R2	12	3896+94	5	37
73.8R2	12	3897+26	5	15
73.8R2	12	3897+57	9	83
73.8R2	12	3897+77	9	72
73.8R2	12	3898+11	9	50
73.8R2	12	3898+39	8	29
73.8R2	12	3898+71	8	12
73.8R2	12	3898+99	10	86
73.8R2	12	3899+22	10	73
73.8R2	12	3899+24	10	89
73.8R2	12	3899+25	9	103
73.9R2	12	3899+57	9	79
73.9R2	12	3899+82	9	60
73.9R2	12	3900+05	8	42
73.9R2	12	3900+35	8	20
73.9R2	12	3900+86	9	40
73.9R2	12	3900+90	10	50
73.9R2	12	3900+94	11	60
73.9R2	12	3901+05	12	59
73.9R2	12	3901+09	12	70
73.9R2	12	3901+13	12	81
73.9R2	12	3901+19	12	90

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

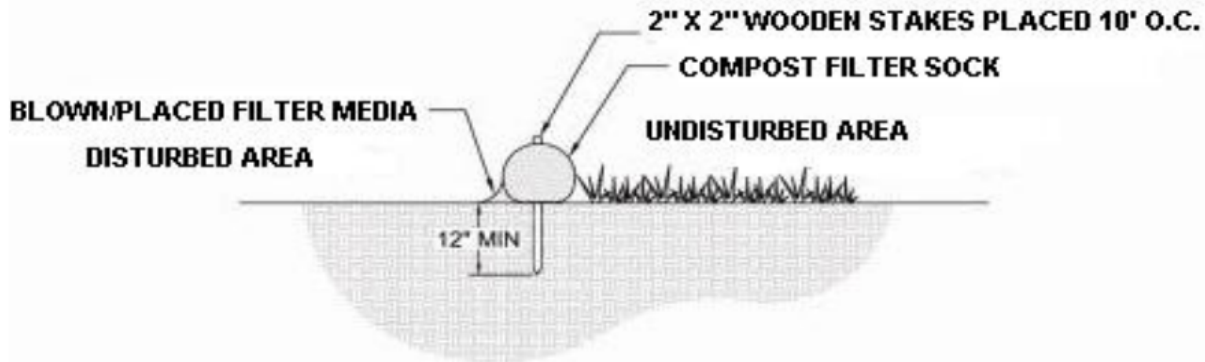


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
73.9R2	12	3901+44	10	74
73.9R2	12	3901+65	9	60
73.9R2	12	3901+90	7	44
73.9R2	12	3902+14	6	27
73.9R2	12	3902+36	5	12
73.9R2	18	3902+62	16	109
73.9R2	18	3902+76	16	107
73.9R2	18	3902+98	16	105
73.9R2	18	3903+22	16	108
73.9R2	18	3903+43	16	108
73.9R2	18	3903+66	15	108
73.9R2	18	3903+86	15	105
73.9R2	18	3904+13	14	105
73.9R2	18	3904+37	13	106
74.0R2	18	3904+66	13	107
74.0R2	18	3904+86	13	105
74.0R2	18	3905+00	13	110
74.0	12	3905+43	6	15
74.0R2	18	3905+56	13	107
74.0	12	3905+78	8	119
74.0R2	18	3905+99	11	107
74.0	12	3906+05	8	97
74.0	12	3906+29	9	71
74.0R2	12	3906+48	9	108
74.0	12	3906+54	12	99
74.0	12	3906+83	15	42

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

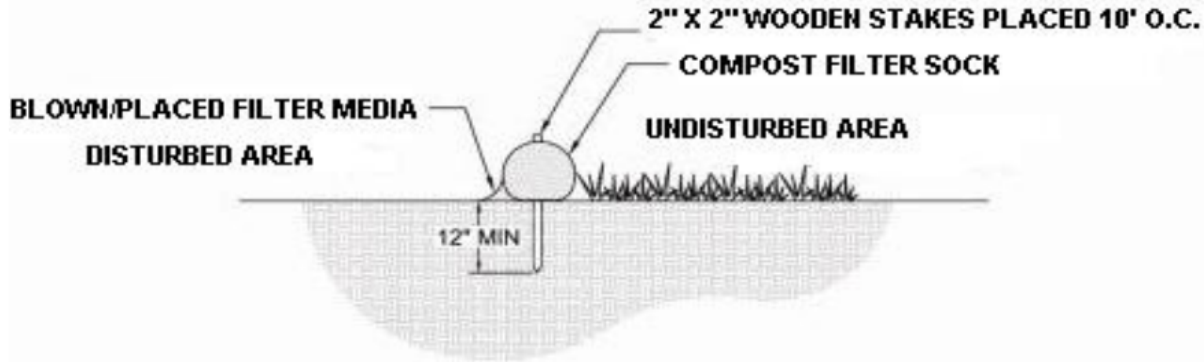


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
74.0	12	3907+03	15	34
74.0R2	12	3907+15	6	128
74.0	12	3907+24	18	36
74.0	12	3907+67	24	30
74.0R2	12	3907+93	5	29
74.0	18	3908+11	19	71
74.0R2	12	3908+11	5	56
74.0R2	12	3908+30	4	82
74.0R2	12	3908+58	4	119
74.0R2	12	3908+91	4	100
74.0	18	3909+80	19	73
74.0R2	12	3909+88	7	124
74.0R2	12	3910+08	8	91
74.0R2	12	3910+28	7	75
74.1	12	3910+53	28	34
74.0	12	3910+61	7	34
74.0	12	3910+81	7	22
74.0	12	3911+35	5	95
74.0	12	3911+63	5	66
74.0	12	3911+81	5	42
74.1	18	3911+99	46	27
74.1	12	3912+94	27	26
74.3	12	3922+99	13	12
74.3	12	3923+41	10	43
74.4	12	3926+68	7	87
74.4	12	3926+70	6	113

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

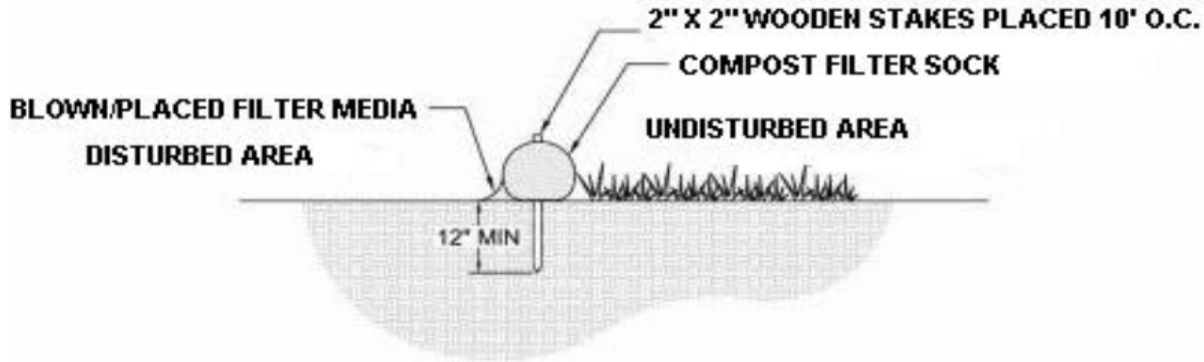


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
74.4	12	3926+70	7	97
74.4	12	3928+21	2	46
74.4	12	3928+47	3	69
74.4	12	3930+16	2	231
74.5	32" DURASOXX	3931+12	1	831
74.5	32" DURASOXX	3932+45	2	673
74.5	12	3933+07	3	160
74.5	12	3933+45	3	127
74.5	12	3934+14	2	67
74.5	32" DURASOXX	3935+02	1	717
74.5	32" DURASOXX	3935+77	1	690
74.6	12	3938+89	9	33
74.6	12	3940+58	1	82
74.6	12	3940+67	0	72
74.6	12	3941+15	0	48
74.6	12	3941+16	0	50
74.6	12	3941+36	3	37
74.6	12	3941+41	4	25
74.7	12	3941+97	3	48
74.7	12	3942+00	3	48
74.7	12	3943+69	4	134
74.7	12	3945+18	10	133
74.7	18	3945+46	11	107
74.7	12	3945+71	11	86
74.7	12	3945+96	11	66
74.7	12	3946+22	11	47

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
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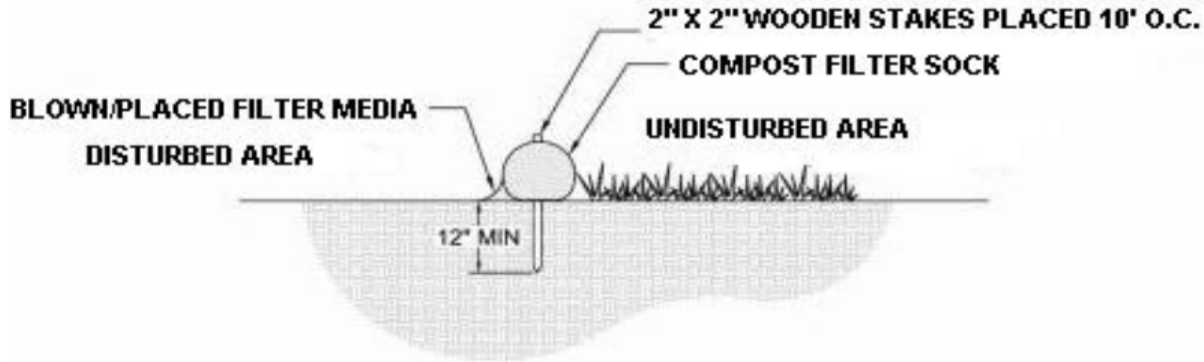


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
74.7	12	3946+48	10	27
74.7	12	3946+68	10	12
74.8	12	3946+95	8	115
74.8	12	3947+14	8	101
74.8	12	3947+79	8	52
74.8	12	3947+94	8	56
74.8	12	3948+19	7	45
74.8	12	3948+30	6	29
74.8	12	3948+60	6	12
74.8	12	3948+94	9	146
74.8	12	3949+28	8	125
74.8	12	3949+64	8	97
74.8	12	3950+63	7	14
74.8	12	3950+87	8	123
74.8	12	3951+52	8	60
74.9	12	3951+80	7	35
74.9	12	3952+03	5	13
74.9	12	3952+46	11	61
74.9	12	3952+92	2	61
74.9	12	3953+96	8	73
74.9	12	3954+57	8	53
74.9	12	3954+66	8	39
74.9	12	3954+78	8	24
74.9	24	3954+81	7	293
74.9	12	3954+89	7	11
74.9	18	3955+18	7	236

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

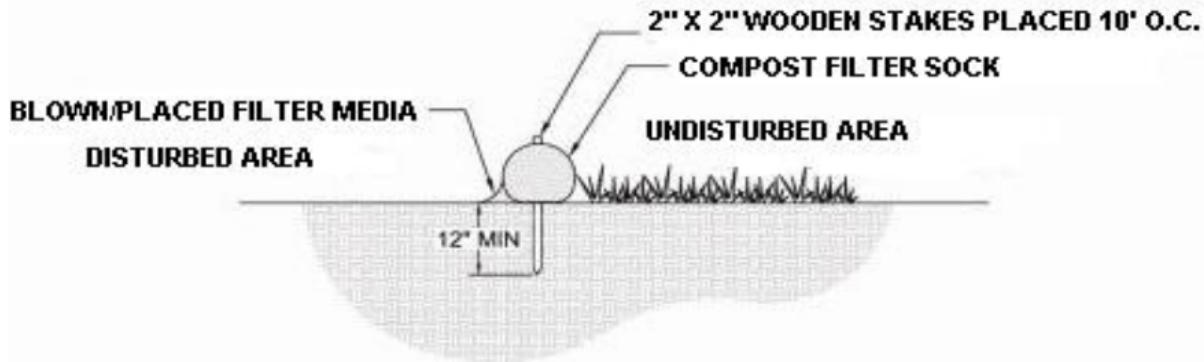


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
74.9	18	3955+49	11	153
74.9	12	3955+63	7	66
74.9	12	3956+16	11	88
74.9	12	3956+39	11	66
74.9	12	3956+91	10	16
74.9	18	3957+27	5	343
74.9	32	3957+34	6	346
75.0	12	3957+47	5	98
75.0	12	3957+50	6	95
75.0	12	3960+40	6	41
75.0	12	3961+07	8	72
75.0	12	3961+53	8	54
75.1	12	3962+95	6	54
75.1	12	3963+09	5	21
75.1	12	3963+57	6	27
75.1	12	3965+34	5	53
75.1	18	3966+29	7	160
75.1	12	3966+60	7	97
75.1	12	3966+85	8	40
75.1	12	3967+16	7	32
75.2	12	3968+02	6	73
75.2	12	3969+08	7	122
75.2	12	3969+74	8	117
75.2	12	3970+59	9	126
75.2	12	3971+93	11	93
75.2	12	3972+34	10	124

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

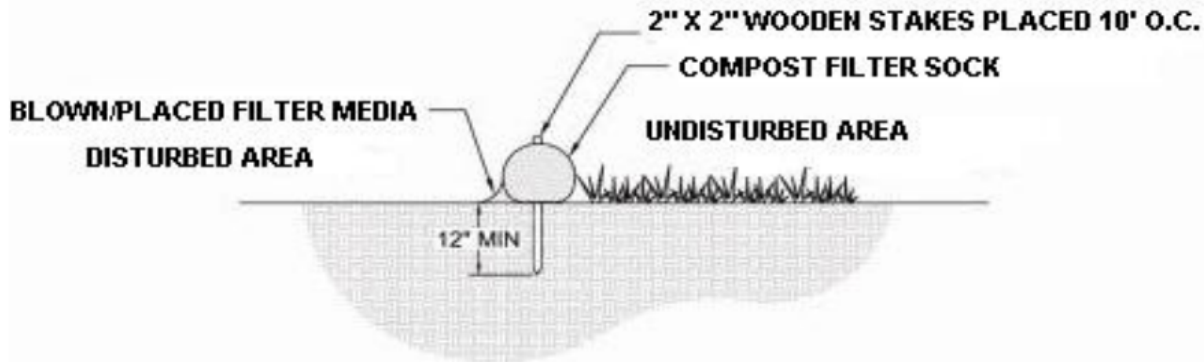


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
75.2	12	3972+80	10	124
75.3	12	3973+53	9	124
75.3	12	3974+19	9	124
75.3	12	3974+60	10	124
75.3	12	3975+29	10	124
75.3	12	3975+89	10	124
75.3	12	3976+78	8	124
75.3	12	3977+63	7	126
75.3	12	3978+02	7	141
75.3	18	3978+05	7	163
75.4	12	3978+48	7	139
75.4	12	3979+18	9	67
75.5	12	3985+86	17	61
75.5	18	3987+98	14	124
75.5	18	3988+88	11	105
75.6	12	3989+65	8	106
75.6	12	3989+90	8	108
75.6	12	3990+45	8	119
75.6	12	3990+93	10	30
75.6	12	3991+15	10	53
75.6	12	3991+37	10	75
75.6	12	3991+55	11	98
75.6	18	3991+74	11	114
75.6	18	3991+86	12	130
75.6	12	3992+11	17	13
75.6	12	3992+28	17	27

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

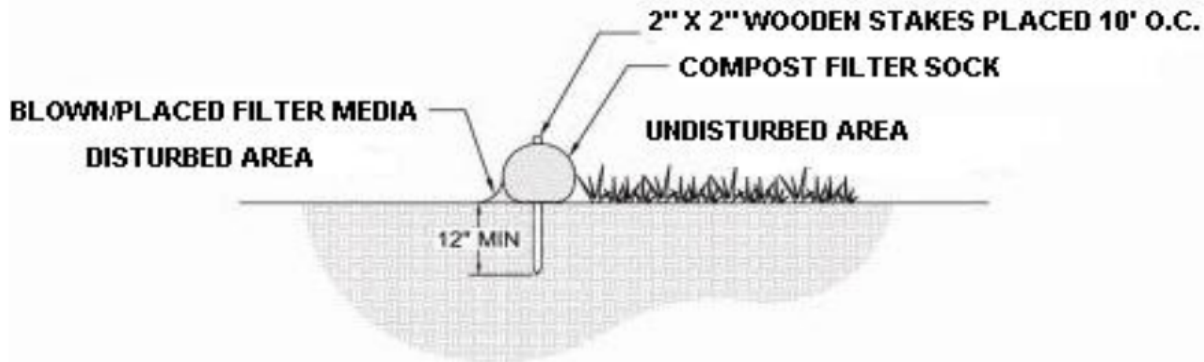


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
75.6	12	3992+45	16	44
75.6	12	3992+61	16	56
75.6	18	3992+81	17	72
75.6	18	3992+99	17	88
75.6	18	3993+19	17	104
75.6	18	3993+36	16	118
75.6	12	3993+66	15	12
75.6	12	3993+86	14	30
75.6	12	3994+03	13	46
75.6	12	3994+23	12	64
75.7	12	3994+76	6	14
75.7	12	3994+96	6	27
75.7	12	3995+17	7	40
75.7	12	3995+36	7	54
75.7	12	3995+60	8	67
75.7	12	3995+77	8	77
75.7	12	3996+01	9	22
75.7	12	3996+02	9	38
75.7	12	3996+18	8	14
75.7	12	3996+39	9	30
75.7	12	3996+89	9	67
75.7	12	3996+90	8	43
75.7	12	3996+99	9	65
75.7	12	3997+03	8	74
75.7	12	3997+11	8	80
75.7	12	3997+22	9	101

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

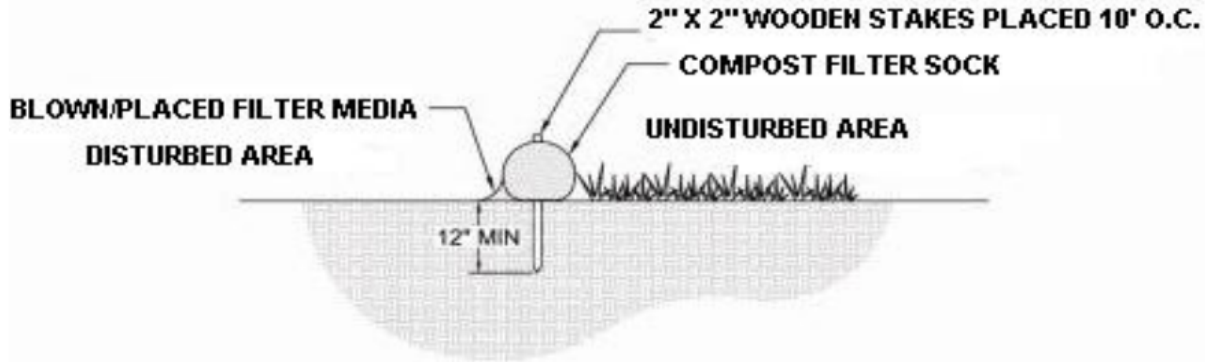


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
75.7	12	3997+43	8	84
75.7	12	3997+80	10	76
75.7	12	3997+94	10	63
75.7	12	3998+10	10	50
75.7	12	3998+21	10	58
75.7	12	3998+31	9	68
75.7	12	3998+58	9	75
75.7	12	3998+83	9	74
75.7	12	3999+03	10	21
75.7	12	3999+18	12	33
75.7	12	3999+29	13	43
75.7	18	3999+37	15	114
75.8	12	3999+76	15	97
75.8	12	4000+37	16	64
75.8	12	4000+60	16	51
75.8	12	4000+81	17	34
75.8	12	4000+98	18	29
75.8	12	4001+23	19	16
75.8	12	4001+38	20	8
75.8	18	4001+61	14	151
75.8	18	4001+77	14	129
75.8	18	4002+01	15	131
75.8	18	4002+23	14	129
75.8	18	4002+45	15	127
75.8	18	4002+92	15	125
75.8	18	4003+50	16	127

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	MAINLINE		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

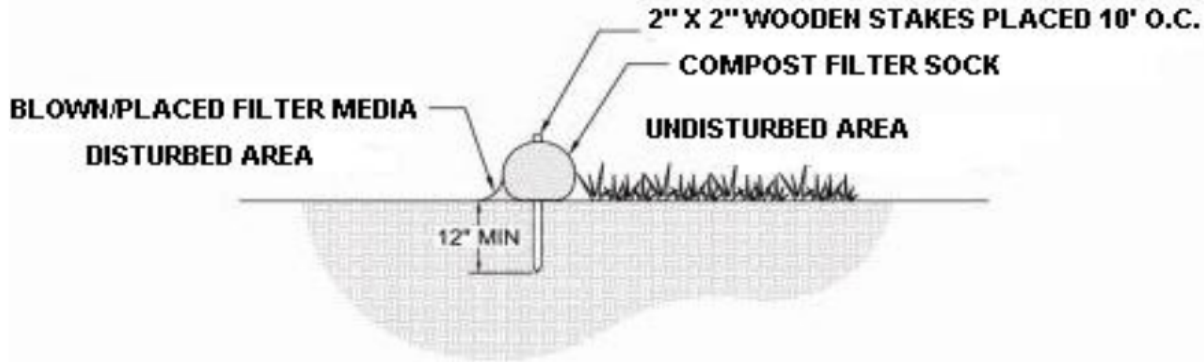


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
75.8	18	4003+72	16	129
75.8	18	4003+93	17	129
75.8	18	4004+10	18	130
75.8	18	4004+34	18	130
75.8	18	4004+53	18	133
75.8	18	4004+70	18	135
75.9	18	4004+89	19	135
75.9	18	4005+05	19	138
75.9	12	4005+30	17	13
75.9	12	4005+47	17	25
75.9	18	4005+72	16	78
75.9	18	4005+95	17	95
75.9	18	4006+15	16	109
75.9	18	4006+40	16	128
75.9	12	4007+11	12	31
75.9	12	4007+62	17	59
75.9	12	4007+76	18	38
75.9	12	4007+80	17	59

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	ACCESS ROADS		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

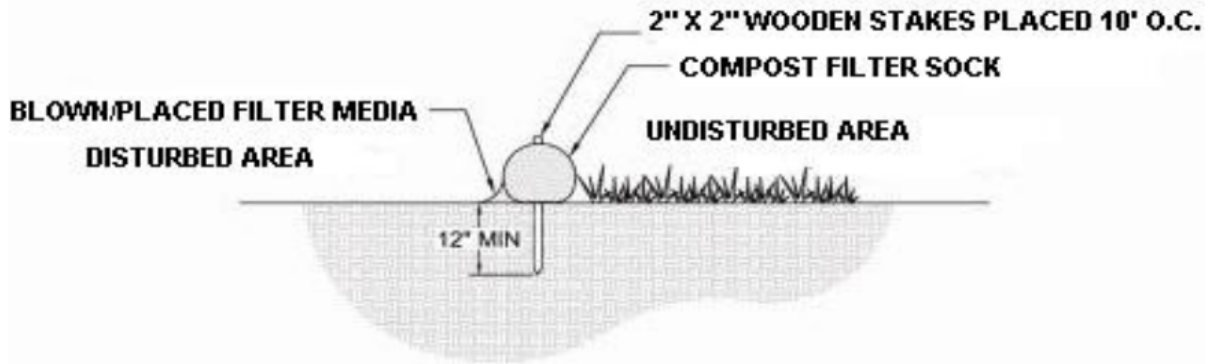


MILEPOST	ACCESS ROAD	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
			APPROX. STATION		
51.8R3	AR-048EN	12	2736+60	41	8
51.8R3	AR-048EN	12	2736+70	42	20
51.8R3	AR-048EN	18	2736+81	44	37
51.8R3	AR-048EN	24	2736+93	45	49
51.8R3	AR-048EN	12	2737+13	38	8
51.8R3	AR-048EN	12	2737+25	38	17
51.8R3	AR-048EN	12	2737+36	38	28
51.8R3	AR-048EN	18	2737+47	35	48
51.9R3	AR-048EN	12	2741+21	31	7
52.1R3	AR-048EN	32	2753+03	23	162
52.1R3	AR-048EN	32	2753+17	22	168
52.1R3	AR-048EN	12	2753+31	13	77
52.1R3	AR-048EN	12	2753+44	12	87
60.5	AR-056A	32	3194+19	12	264
60.5	AR-056A	32" DURASOXX	3194+67	11	428
60.5	AR-056A	32" DURASOXX	3195+05	9	615
60.5	AR-056A	32" DURASOXX	3195+72	9	614
60.5	AR-056A	32" DURASOXX	3196+85	9	651
70.6R3	AR-071	32	3730+43	5	507
70.6R3	AR-071	18	3730+43	7	201
70.6R3	AR-071	18	3730+43	6	204
70.6R3	AR-071	12	3730+43	9	60
70.6R3	AR-071	18	3730+43	12	157
70.6R3	AR-071	18	3730+43	14	115
70.6R3	AR-071	18	3730+43	14	114

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	CONTRACTOR YARDS		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

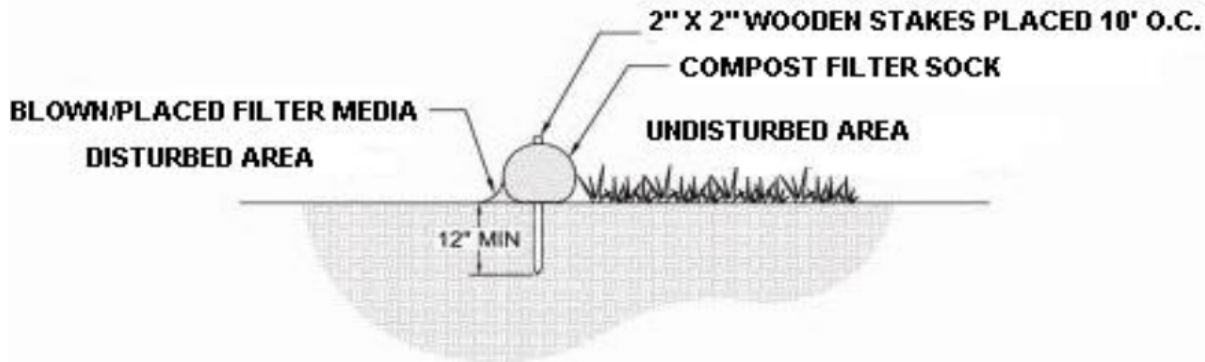


MILEPOST	CONTRACTOR YARD	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
			APPROX. STATION		
62.8R3	PE-C-09	12	3313+97	11	38
62.8R3	PE-C-09	12	3314+21	10	41
62.8R3	PE-C-09	12	3314+28	10	40
62.8R3	PE-C-09	12	3314+35	10	42
62.8R3	PE-C-09	12	3314+43	11	44
62.8R3	PE-C-09	12	3314+57	11	46
62.8R3	PE-C-09	12	3314+77	11	61
62.8R3	PE-C-09	12	3315+11	11	68
62.8R3	PE-C-09	12	3315+29	12	70
62.8R3	PE-C-09	12	3315+40	13	65
62.8R3	PE-C-09	12	3315+52	12	75
62.8R3	PE-C-09	12	3315+61	13	69
62.8R3	PE-C-09	12	3315+61	13	69
62.8R3	PE-C-09	12	3315+61	13	73
62.8R3	PE-C-09	12	3315+61	13	91
62.8R3	PE-C-09	12	3315+61	13	75
63.3R3	PE-C-09	12	3340+30	12	98
63.3R3	PE-C-09	12	3340+39	10	144
63.3R3	PE-C-09	12	3340+51	12	78
63.3R3	PE-C-09	12	3340+64	13	73
63.3R3	PE-C-09	12	3340+77	10	128
63.3R3	PE-C-09	12	3340+90	10	123
63.3R3	PE-C-09	12	3341+08	10	111
70.2R3	PE-D-05	32" DURASOXX	3708+34	4	792
70.2R3	PE-D-05	32	3708+34	4	595
70.2R3	PE-D-05	18	3708+34	5	259

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	CONTRACTOR YARDS		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

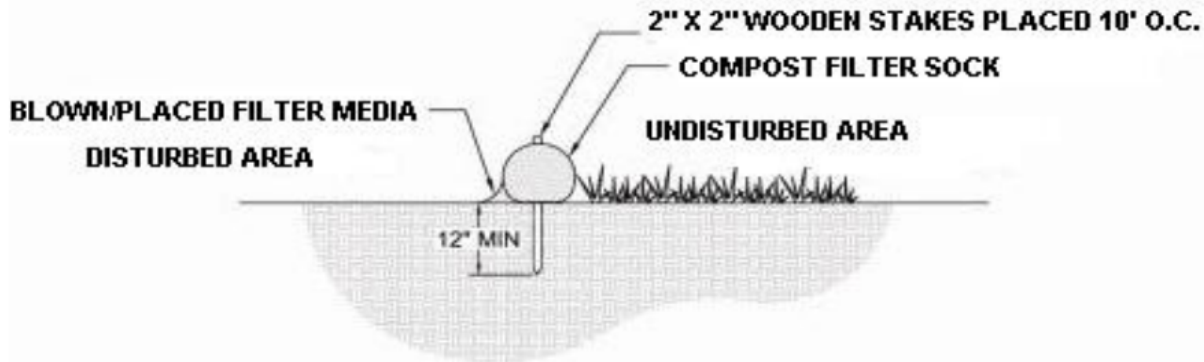


MILEPOST	CONTRACTOR YARD	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
			APPROX. STATION		
70.2R3	PE-D-05	18	3708+34	6	182
70.2R3	PE-D-05	12	3708+34	5	169
70.2R3	PE-D-05	12	3708+34	6	143
70.3R3	PE-D-05	12	3710+28	2	172
70.3R3	PE-D-05	12	3710+36	3	156
70.3R3	PE-D-05	12	3710+53	2	183

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	STAGING AREAS		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

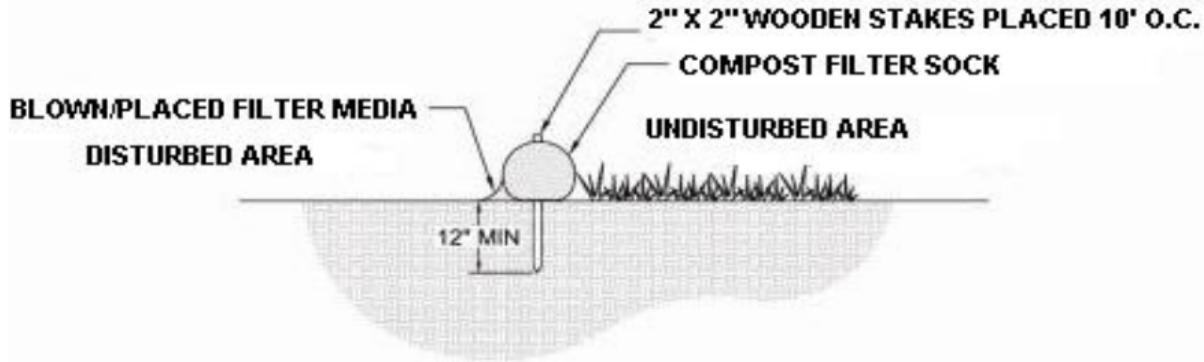


MILEPOST	STAGING AREA	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
			APPROX. STATION		
71.4	PE-STA-D-08	12	3769+42	4	195
71.4	PE-STA-D-08	12	3769+51	4	203
71.4	PE-STA-D-08	12	3770+57	5	206
71.4	PE-STA-D-08	12	3770+62	10	49
71.4	PE-STA-D-08	12	3770+91	13	19
71.4	PE-STA-D-08	12	3771+08	10	135
71.4	PE-STA-D-08	12	3771+14	5	234
71.4	PE-STA-D-08	18	3771+20	11	121
71.4	PE-STA-D-08	18	3771+34	11	105
71.4	PE-STA-D-08	12	3771+55	11	80
71.4	PE-STA-D-08	18	3771+56	5	254
71.4	PE-STA-D-08	12	3771+76	13	56
71.4	PE-STA-D-08	12	3771+96	11	33
71.4	PE-STA-D-08	12	3772+14	18	12
71.4	PE-STA-D-08	18	3772+30	9	191
71.4	PE-STA-D-08	18	3772+44	10	170
71.5	PE-STA-D-08	12	3772+62	10	145
71.5	PE-STA-D-08	12	3772+79	10	124
71.5	PE-STA-D-08	12	3772+97	10	101
71.5	PE-STA-D-08	12	3773+12	10	79
71.5	PE-STA-D-08	12	3773+23	11	56
71.5	PE-STA-D-08	12	3773+37	12	35
71.5	PE-STA-D-08	12	3773+49	13	13
71.5	PE-STA-D-08	18	3773+61	7	199
71.5	PE-STA-D-08	18	3773+75	7	178
71.5	PE-STA-D-08	18	3773+88	7	160

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	STAGING AREAS		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

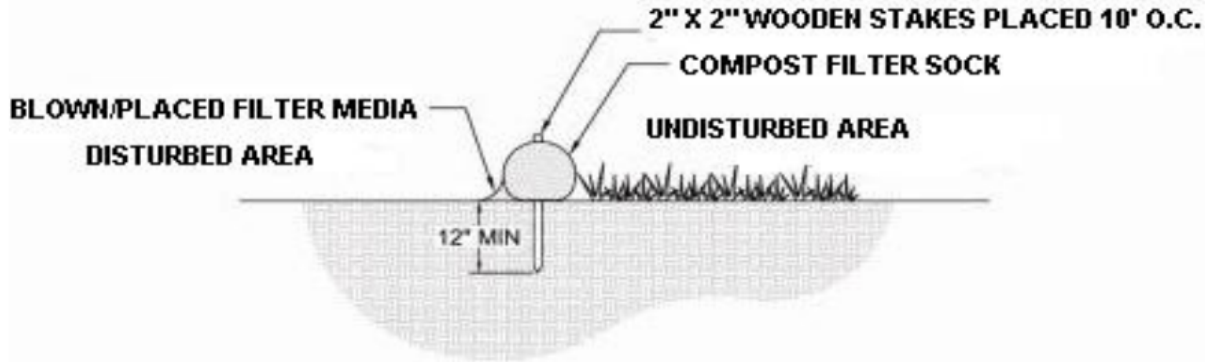


MILEPOST	STAGING AREA	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
			APPROX. STATION		
71.5	PE-STA-D-08	12	3774+01	7	142
71.5	PE-STA-D-08	12	3774+13	7	124
71.5	PE-STA-D-08	12	3774+26	7	105
71.5	PE-STA-D-08	12	3774+40	8	85
71.5	PE-STA-D-08	12	3774+47	8	71
71.5	PE-STA-D-08	12	3774+87	11	19
71.5	PE-STA-D-08	32	3775+58	8	345
71.5	PE-STA-D-08	24	3775+71	9	253

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

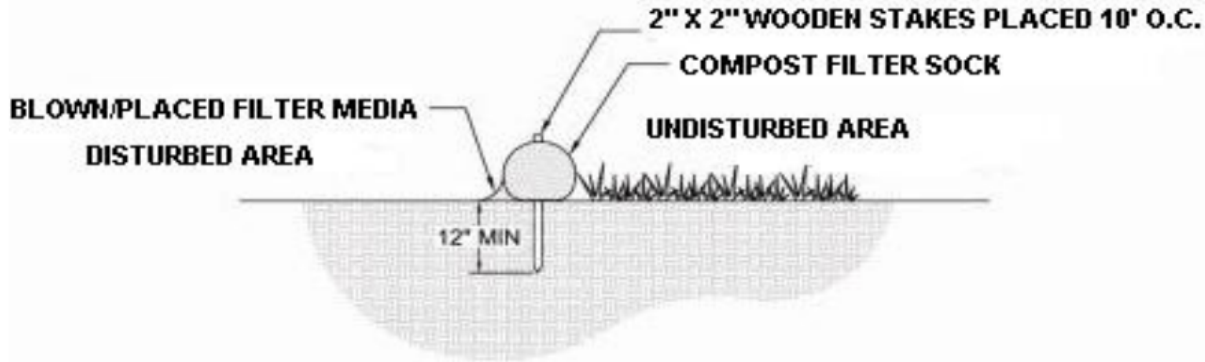


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.0	12	01+38	6	93
0.0	24	02+00	8	270
0.0	12	02+63	9	139
0.1	12	03+28	10	114
0.1	12	03+70	10	114
0.1	12	04+11	10	114
0.1	18	04+69	11	114
0.1	18	05+09	11	117
0.1	18	05+45	11	120
0.1	18	05+88	11	115
0.1	18	06+31	11	114
0.1	18	06+52	11	114
0.1	18	07+63	12	115
0.1	18	07+82	12	122
0.2	18	08+07	13	126
0.2	12	08+35	14	10
0.2	12	08+55	15	24
0.2	12	08+76	15	39
0.2	12	08+99	15	56
0.2	12	09+17	14	74
0.2	12	09+39	14	94
0.2	12	09+64	11	9
0.2	12	09+83	11	23
0.2	12	10+00	11	35
0.2	12	10+20	11	49
0.2	12	10+38	11	63

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

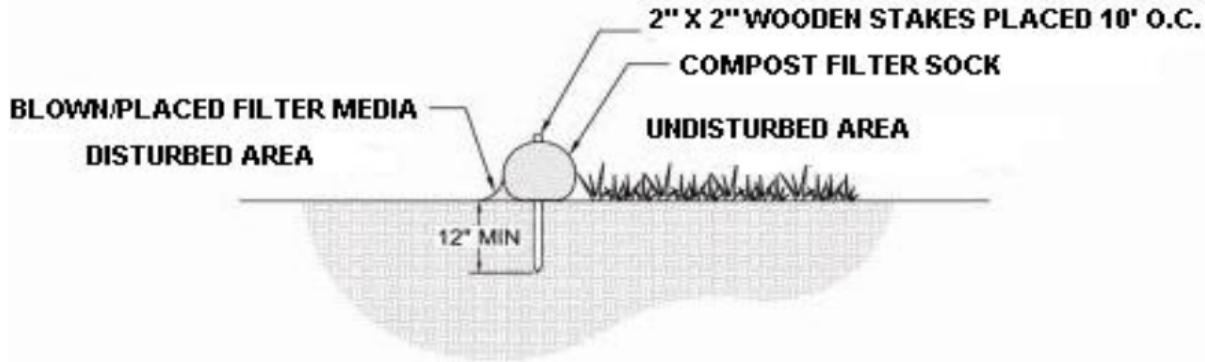


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.2	12	10+59	11	77
0.2	12	10+76	11	89
0.2	12	11+14	12	8
0.2	12	11+31	12	15
0.2	12	11+50	13	21
0.2	12	11+73	15	31
0.2	12	11+93	17	46
0.2	12	12+08	18	57
0.2	18	12+44	21	74
0.2	12	12+44	19	69
0.2	12	12+44	17	64
0.2	12	12+44	18	65
0.2	12	13+09	26	37
0.3	18	13+38	16	86
0.3	12	13+79	16	69
0.3	12	13+86	16	59
0.3	12	13+94	13	54
0.3	12	14+16	14	36
0.3	12	14+20	15	12
0.3	12	14+34	15	36
0.3	12	14+52	16	22
0.3	18	14+57	18	102
0.3	12	14+57	17	24
0.3	18	15+04	29	55
0.3	18	15+04	30	61
0.3	32	15+25	28	105

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

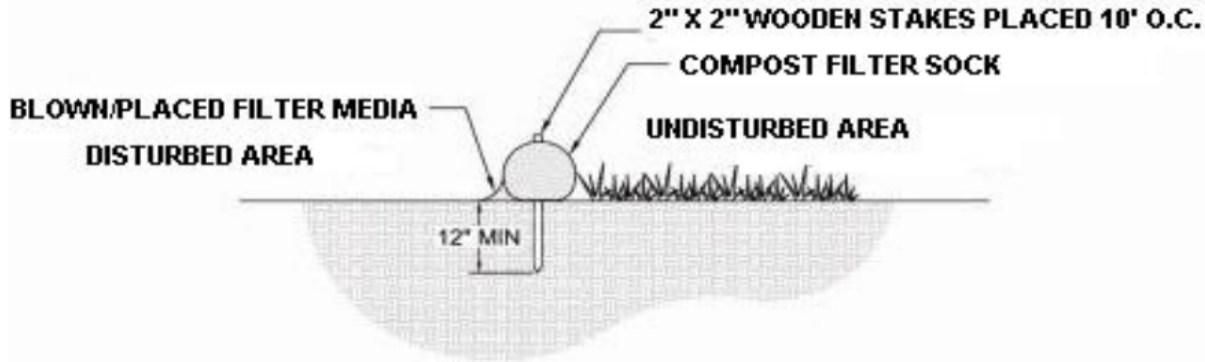


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.3	18	15+70	22	60
0.3	18	15+73	16	91
0.3	18	15+89	16	76
0.3	12	16+03	22	21
0.3	12	16+83	19	50
0.3	12	17+09	17	23
0.3	18	18+02	14	101
0.3	12	18+21	14	82
0.3	12	18+47	12	39
0.4	12	18+54	14	49
0.4	12	18+62	10	19
0.4	12	18+73	13	32
0.4	18	18+86	10	169
0.4	12	18+89	12	16
0.4	18	19+02	10	157
0.4	12	19+31	10	130
0.4	12	19+56	10	107
0.4	12	19+77	10	85
0.4	12	20+34	9	39
0.4	12	20+52	9	27
0.4	12	20+70	9	19
0.4	18	21+06	12	111
0.4	12	21+24	12	98
0.4	12	21+42	12	80
0.4	12	21+60	13	65
0.4	12	21+77	14	49

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

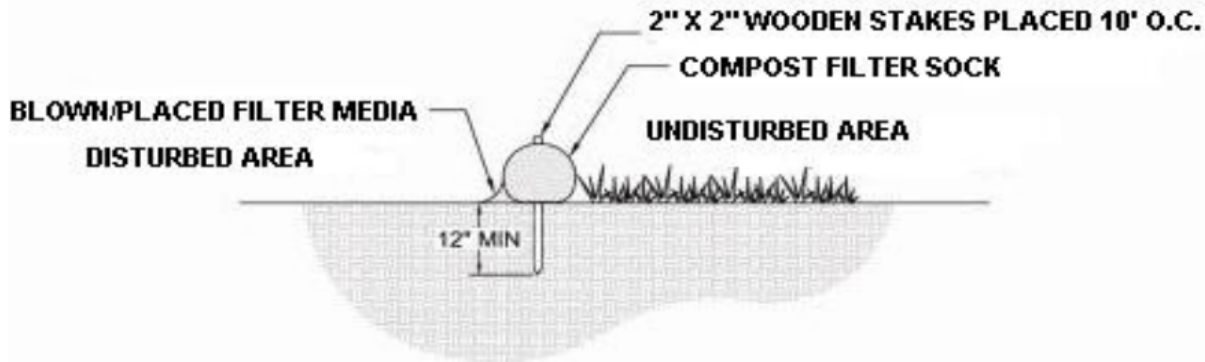


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.4	12	21+94	15	33
0.4	12	22+11	15	18
0.4	12	23+18	17	60
0.4	12	23+35	17	47
0.4	12	23+54	19	31
0.4	12	23+65	20	16
0.5	18	23+68	21	60
0.5	18	25+11	21	57
0.5	12	25+15	25	15
0.5	12	25+27	31	20
0.5	12	25+45	23	29
0.5	12	25+90	33	15
0.5	12	26+09	34	12
0.5	24	26+28	37	50
0.5	12	26+58	37	24
0.5	12	27+38	30	35
0.5	12	27+69	27	12
0.5	18	27+88	20	80
0.5	12	27+98	19	50
0.5	12	28+12	19	36
0.5	12	28+14	18	59
0.5	12	28+38	16	38
0.5	12	28+62	17	12
0.5	18	28+84	17	79
0.6	12	29+07	16	41
0.6	12	29+10	17	56

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

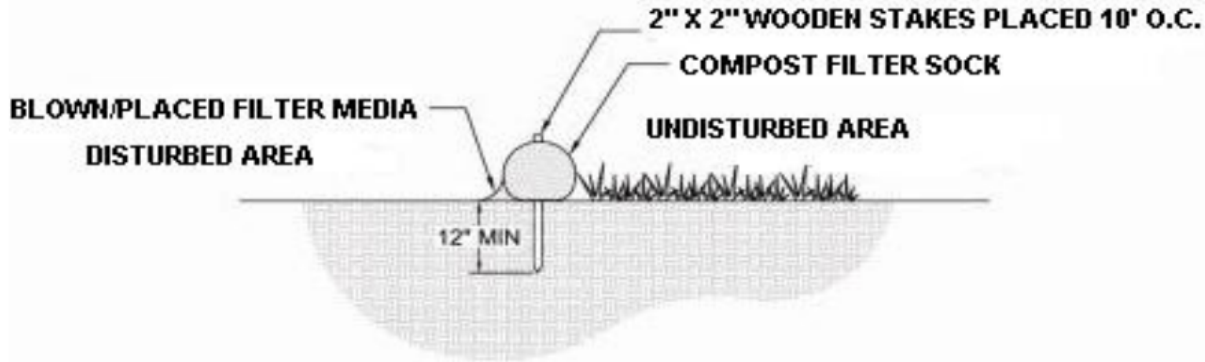


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.6	12	29+29	16	17
0.6	12	29+32	19	32
0.6	12	29+53	20	14
0.6	12	29+72	20	65
0.6	12	29+98	12	56
0.6	12	29+99	21	33
0.6	12	30+15	12	35
0.6	12	30+22	19	15
0.6	18	30+56	17	112
0.6	18	30+71	19	95
0.6	18	30+86	19	80
0.6	18	31+11	23	51
0.6	12	31+44	25	18
0.6	18	31+70	18	99
0.6	18	31+98	16	75
0.6	12	32+09	14	66
0.6	12	32+31	16	45
0.6	12	32+42	13	29
0.6	12	32+50	7	30
0.6	12	32+56	13	14
0.6	12	32+69	8	21
0.6	12	32+88	13	29
0.6	12	33+06	14	43
0.6	12	33+12	5	63
0.6	12	33+24	10	73
0.6	12	33+31	5	48

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

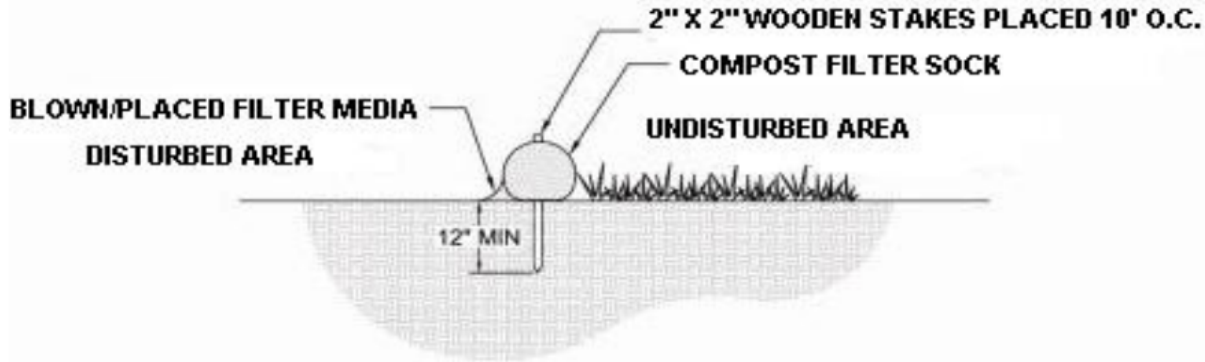


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.6	18	33+38	11	103
0.6	12	33+62	11	95
0.6	12	33+69	6	31
0.6	12	33+78	11	98
0.6	12	34+01	18	10
0.6	12	34+10	3	52
0.6	12	34+17	18	21
0.6	12	34+31	18	34
0.7	12	34+45	18	41
0.7	12	34+63	19	49
0.7	12	34+76	19	63
0.7	12	34+93	13	20
0.7	12	34+93	12	10
0.7	18	34+93	18	76
0.7	18	35+11	16	96
0.7	12	35+25	12	90
0.7	12	35+37	11	96
0.7	12	35+76	12	89
0.7	12	36+12	9	121
0.7	12	36+25	9	121
0.7	12	36+60	8	115
0.7	12	37+36	8	91
0.7	12	37+56	9	89
0.7	12	37+72	9	88
0.7	12	37+83	9	101
0.7	12	37+93	9	104

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

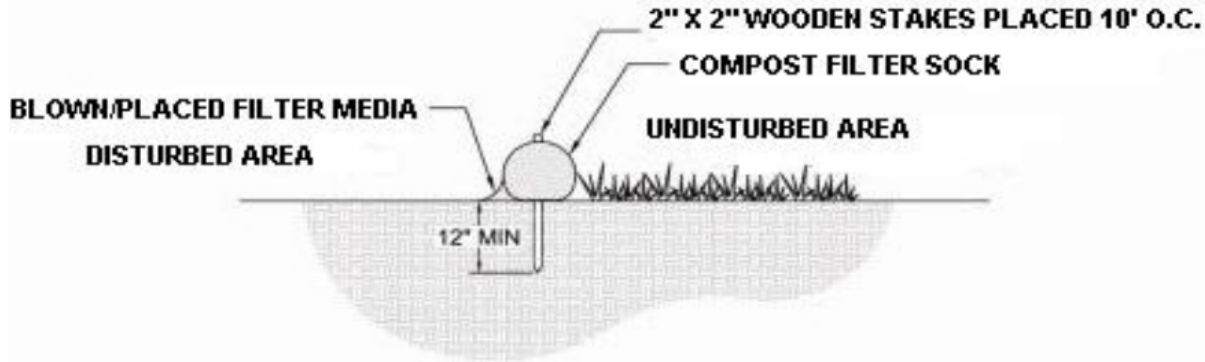


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.7	12	38+11	9	104
0.7	12	38+29	9	110
0.7	12	38+44	10	113
0.7	12	38+62	10	118
0.7	12	38+78	10	121
0.7	12	39+10	12	15
0.7	12	39+29	10	28
0.7	12	39+47	10	40
0.8	12	39+64	10	52
0.8	12	39+80	10	63
0.8	12	39+96	9	71
0.8	12	40+06	9	79
0.8	12	40+20	9	70
0.8	12	40+33	9	68
0.8	12	40+43	9	63
0.8	12	40+52	9	58
0.8	12	40+62	9	53
0.8	12	40+86	9	24
0.8	12	40+89	3	55
0.8	12	41+16	2	54
0.8	12	41+34	2	54
0.8	12	41+47	3	60
0.8	12	42+04	3	24
0.8	12	42+22	5	12
0.8	12	42+38	5	12
0.8	12	42+53	5	13

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

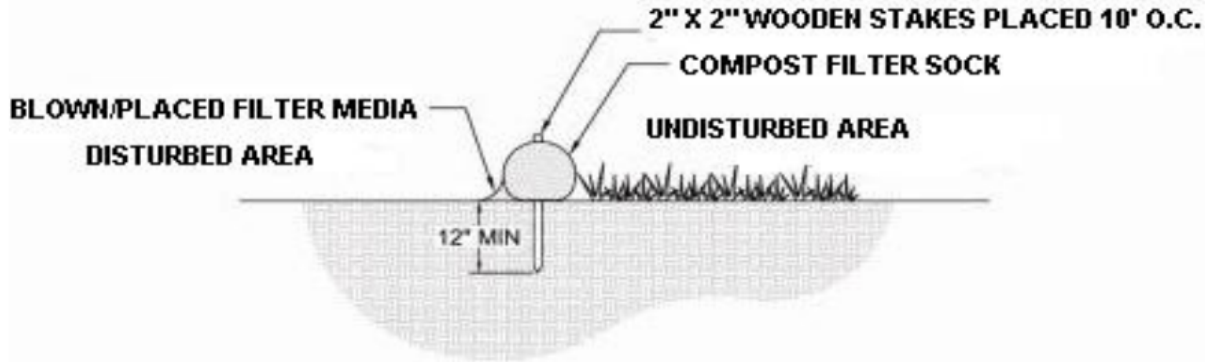


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
0.8	12	42+69	3	46
0.8	12	42+84	2	56
0.8	12	43+00	2	66
0.8	12	43+18	3	77
0.8	12	43+35	2	87
0.9	12	46+73	2	40
0.9	12	46+98	2	103
0.9	12	47+22	3	123
0.9	12	47+46	3	137
0.9	12	47+67	3	150
0.9	12	47+89	4	152
0.9	12	48+10	4	159
0.9	12	48+37	5	12
0.9	12	48+53	6	24
0.9	12	48+76	6	42
0.9	12	48+99	6	61
0.9	12	49+21	7	79
0.9	12	49+42	6	97
0.9	12	49+58	6	114
0.9	12	49+80	6	132
0.9	12	50+00	5	176
1.0	18	50+18	6	156
1.0	12	50+37	6	144
1.0	12	50+57	6	140
1.0	12	50+77	6	129
1.0	12	50+95	4	151

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

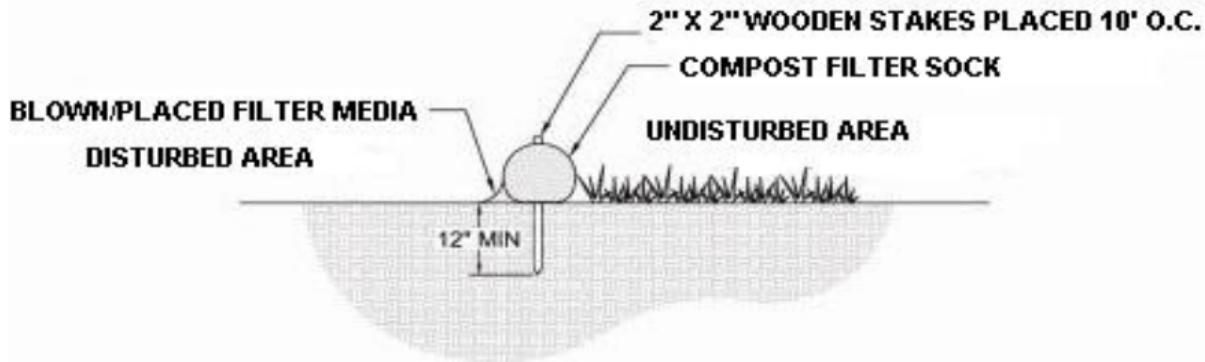


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.0	12	51+13	4	143
1.0	12	51+31	4	138
1.0	12	51+65	4	136
1.0	12	52+12	4	130
1.0	12	53+04	0	42
1.0	12	53+63	1	71
1.0	12	53+76	4	31
1.0	12	53+79	1	76
1.0	12	53+91	5	63
1.0	12	54+12	5	50
1.0	12	54+28	5	41
1.0	12	54+72	4	27
1.0	12	54+88	4	24
1.0	12	55+06	4	21
1.0	12	55+23	5	18
1.1	12	55+64	7	99
1.1	12	55+79	7	92
1.1	12	55+95	6	83
1.1	12	56+17	7	74
1.1	12	56+33	7	66
1.1	12	56+49	8	61
1.1	12	56+80	8	56
1.1	12	57+07	10	37
1.1	12	57+18	13	23
1.1	12	57+35	17	10
1.1	18	57+62	13	145

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

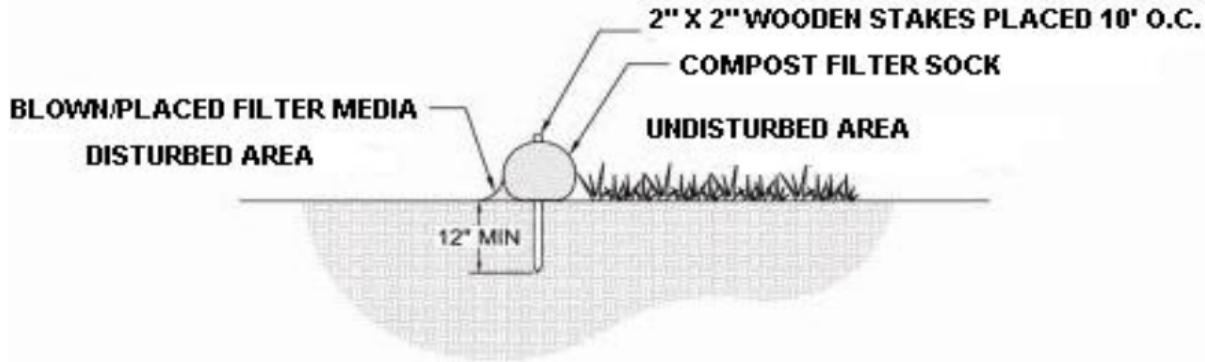


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.1	18	57+85	14	138
1.1	18	58+14	16	132
1.1	18	58+46	16	132
1.1	18	58+82	16	139
1.1	18	58+98	18	135
1.1	32" DURASOXX	59+86	26	136
1.1	32" DURASOXX	60+37	26	146
1.1	32" DURASOXX	60+54	27	147
1.1	32" DURASOXX	60+69	27	146
1.2	24	61+03	25	137
1.2	24	61+48	23	141
1.2	24	61+87	22	136
1.2	32	62+41	21	152
1.2	32	62+60	21	153
1.2	32	62+78	21	154
1.2	32	62+99	22	156
1.2	32	63+14	23	152
1.2	32	63+42	24	150
1.2	32	63+60	25	150
1.2	32" DURASOXX	63+81	26	151
1.2	32" DURASOXX	64+01	27	151
1.2	32" DURASOXX	64+22	28	144
1.2	32" DURASOXX	64+41	29	143
1.2	32" DURASOXX	64+82	29	152
1.2	32" DURASOXX	65+07	29	143
1.2	32" DURASOXX	65+37	28	143

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

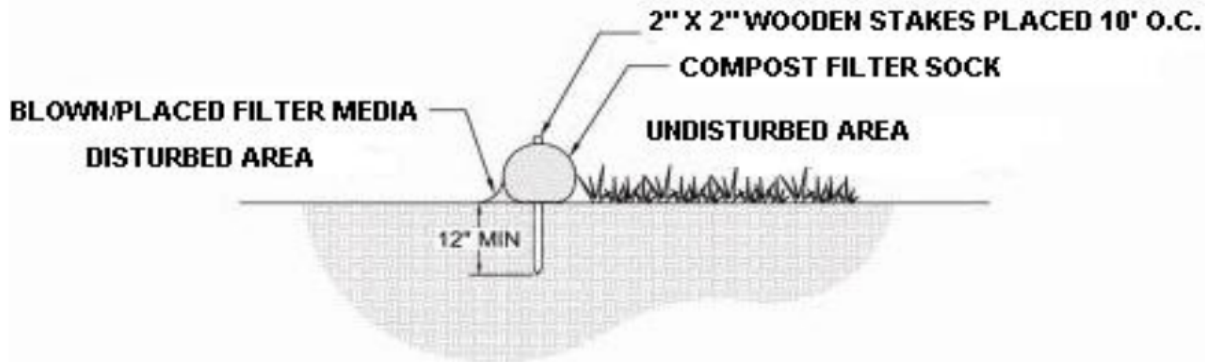


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.3	12	67+63	11	58
1.3	12	67+75	10	69
1.3	12	67+81	12	74
1.3	12	69+44	9	77
1.3	12	69+66	9	47
1.3	12	69+68	7	43
1.3	12	69+68	6	38
1.3	12	69+92	7	95
1.3	18	70+54	6	177
1.3	12	70+83	10	19
1.4	12	71+05	9	43
1.4	12	71+25	9	63
1.4	18	71+61	5	326
1.4	12	71+99	7	14
1.4	12	72+63	6	28
1.4	12	72+83	6	51
1.4	12	73+01	6	68
1.4	12	73+23	6	89
1.4	12	73+41	5	116
1.4	12	74+16	4	85
1.4	12	76+27	4	223
1.5	12	77+02	8	12
1.5	24	77+42	5	358
1.5	32	78+31	6	302
1.5	12	80+12	8	150
1.5	18	81+09	9	154

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

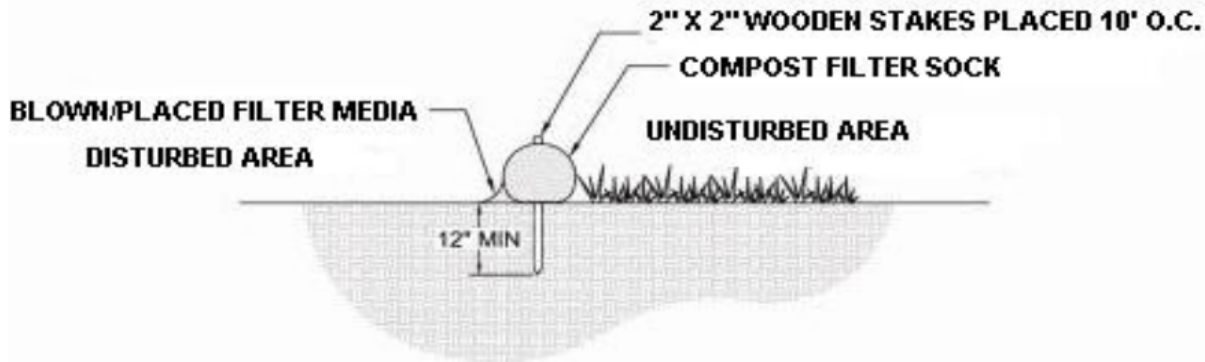


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.5	18	81+25	9	161
1.5	18	81+54	9	172
1.6	12	82+14	9	148
1.6	18	82+34	8	158
1.6	18	82+80	13	124
1.6	18	83+35	12	122
1.6	18	83+91	11	158
1.6	18	84+61	11	188
1.6	24	85+05	10	264
1.6	18	85+81	10	245
1.6	12	86+03	8	13
1.6	12	86+25	9	31
1.6	12	86+47	8	51
1.6	12	86+70	8	70
1.6	12	86+90	9	87
1.6	12	87+09	9	104
1.7	12	87+28	9	120
1.7	12	87+62	10	37
1.7	12	87+81	10	52
1.7	12	88+00	10	67
1.7	12	88+15	10	81
1.7	12	88+34	11	97
1.7	12	88+58	10	116
1.7	24	88+70	8	289
1.7	24	88+80	8	276
1.7	24	88+90	8	267

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019

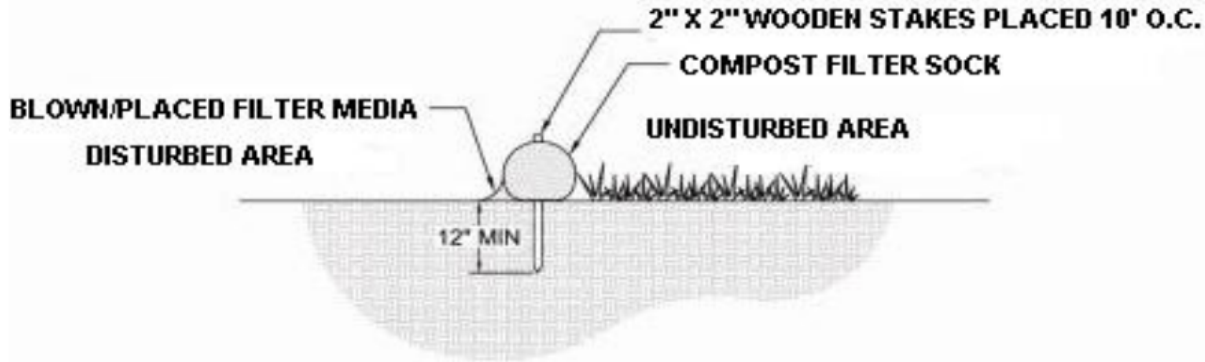


MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.7	24	89+32	8	288
1.7	32	90+12	7	321
1.7	32	90+56	7	301
1.7	12	91+23	9	128
1.8R2	12	93+42	12	77
1.8R2	12	93+97	11	67
1.8R2	12	94+19	13	70
1.8R2	18	94+45	13	143
1.8R2	18	94+69	13	144
1.8R2	18	94+93	13	147
1.8R2	18	95+55	13	140
1.8R2	18	96+38	14	146
1.8R2	18	96+55	15	150
1.8R2	18	96+83	18	148
1.8R2	24	97+04	21	149
1.8R2	12	97+33	39	18
1.8R2	12	97+52	35	31
1.9R2	18	97+70	33	46
1.9R2	18	97+87	31	58
1.9R2	12	98+27	26	20
1.9R2	12	98+49	25	35
1.9R2	12	98+68	24	46
1.9R2	18	98+87	22	58
1.9R2	18	100+01	15	134
1.9R2	18	100+39	13	140
1.9R2	18	100+69	14	149

STANDARD E&S WORKSHEET #1

Compost Filter Socks

PROJECT NAME:	PENNEAST PIPELINE PROJECT		
LOCATION:	NORTHAMPTON COUNTY		
PROJECT COMPONENT:	24" HELLERTOWN LATERAL		
PREPARED BY:	KEK / JMB	DATE:	10/2019
CHECKED BY:	MDN	DATE:	10/2019



MILEPOST	DIAMETER (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
		APPROX. STATION		
1.9R2	18	100+87	14	152
1.9R2	18	101+05	15	155
1.9R2	18	101+21	15	160
1.9R2	12	101+48	21	12
1.9R2	12	101+65	21	22
1.9R2	12	101+83	22	33
1.9R2	12	102+00	22	45
1.9R2	18	102+18	22	58
1.9R2	18	102+34	22	70
1.9R2	18	102+52	22	84
1.9R2	18	102+68	22	97
2.0R2	12	102+97	21	13
2.0R2	12	103+22	19	32
2.0R2	12	103+49	17	52
2.0R2	12	103+73	15	71
2.0R2	12	104+04	14	95
2.0R2	12	104+10	13	17
2.0R2	12	104+11	14	31
2.0R2	12	104+62	11	26
2.0R2	12	104+85	11	41
2.0R2	12	105+04	11	52
2.0R2	12	105+65	11	92
2.0R2	12	106+42	9	46
2.0R2	12	106+72	9	66