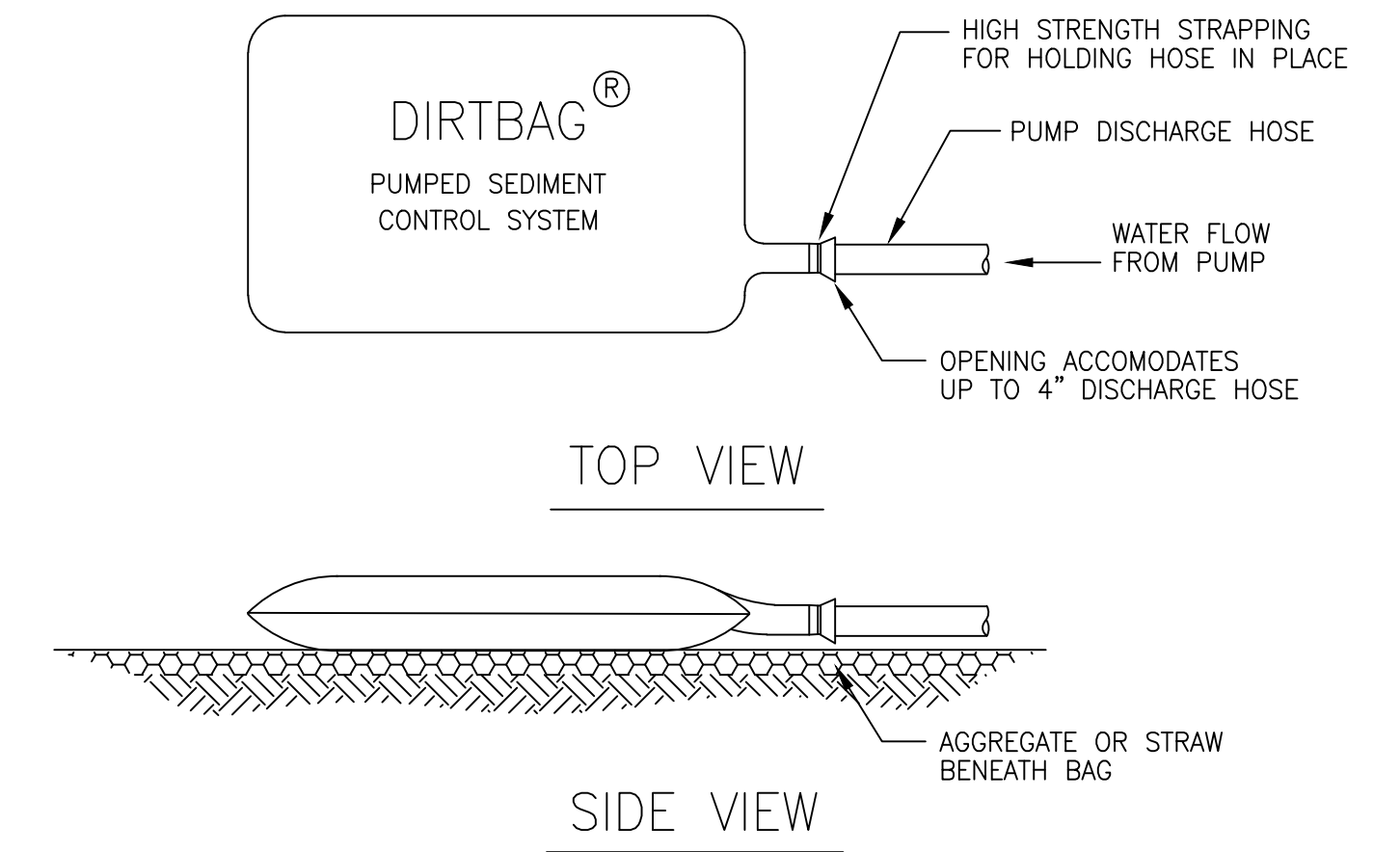
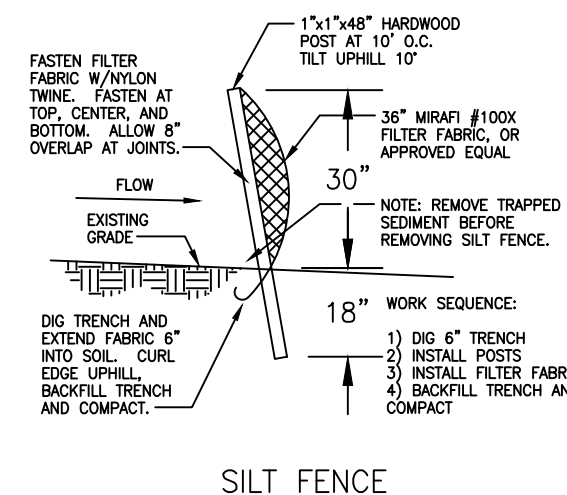
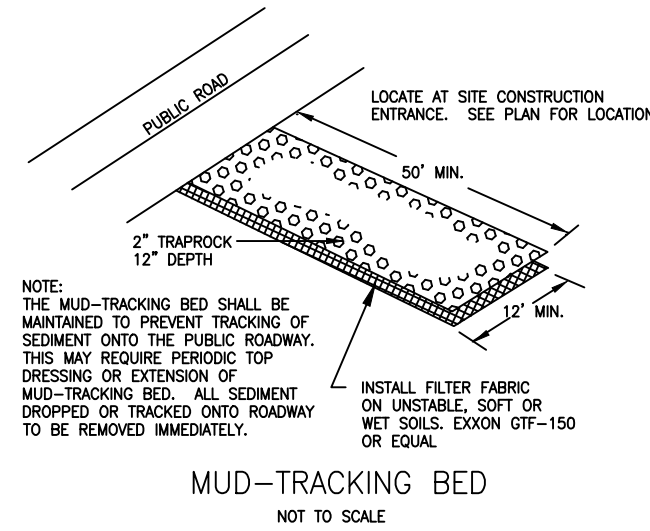


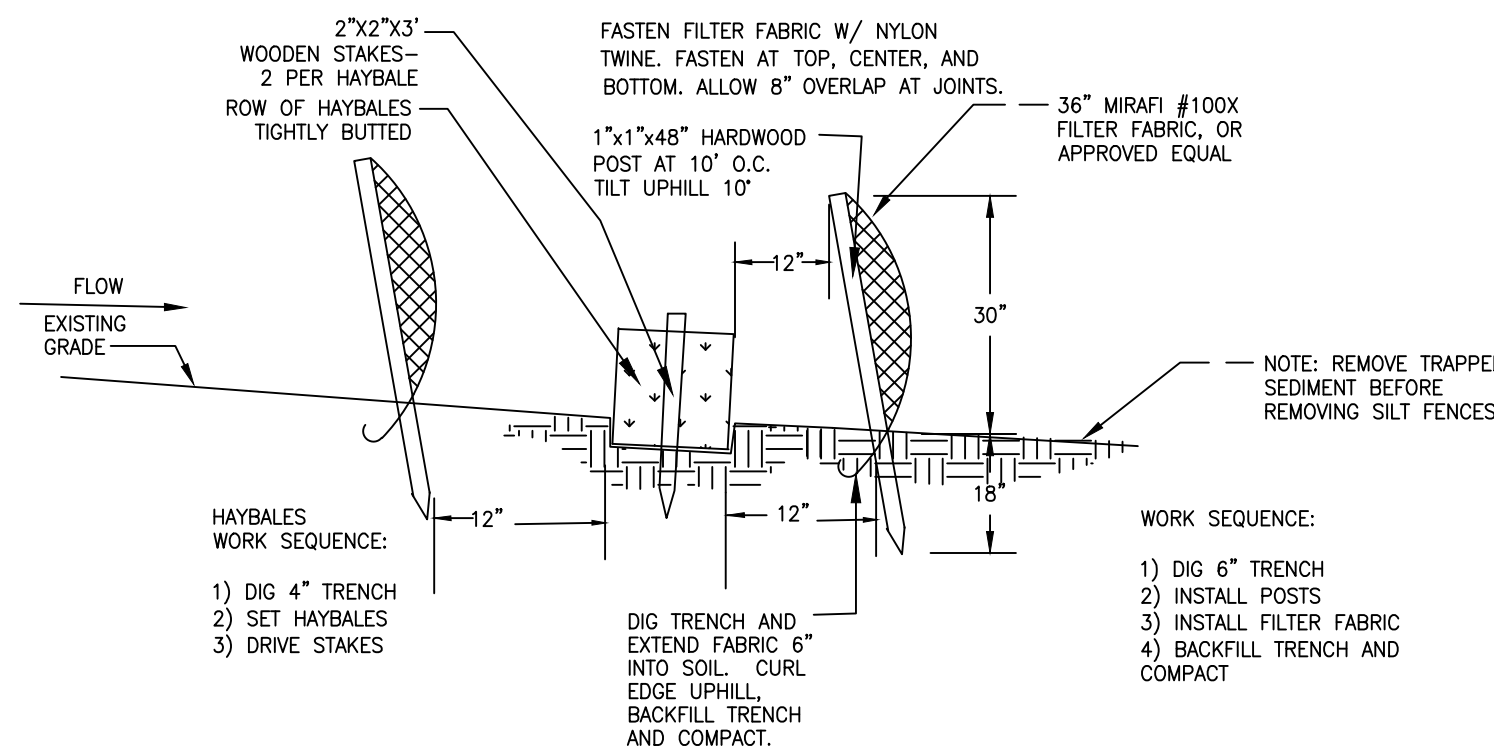
<b>FCE Project #</b>	2073	<b>Date Performed:</b>	11/7/2021
<b>Client:</b>	Lewis Liebert		
<b>Location:</b>	3 Tupelo Road, Westport		
<b>Observed by:</b>	Wayne D'Avanzo		
<b>Test Hole 1:</b>	0-5" Topsoil 5-19" Light Brown Gravel and Sand 19-45" Brown Silt and Gravel Ground Water @ 45" No Mottling No Ledge Roots to 36"		
<b>Test Hole 2:</b>	0-5" Topsoil 5-10" Light Brown Gravel and Sand 10-15" Original Topsoil 15-28" Brown Silt and Gravel 28-38" Original Topsoil 38-68" Light Brown Sand with Gravel Ground Water @ 39" Mottling @ 24" No Ledge Roots to 32"		
<b>Test Hole 3:</b>	0-7" Topsoil 7-13" Light Brown Gravel and Sand 13-18" Original Topsoil 18-28" Brown Silt and Gravel 28-39" Original Topsoil 39-85" Light Brown Sand with Gravel Ground Water @ 53" Mottling @ 28" No Ledge Roots to 39"		
<b>Test Hole 4:</b>	0-13" Topsoil 13-31" Brown Silty Loam 31-65" Light Brown Gravel Mottling @ 28" No Ledge No Groundwater Roots to 41"		

<b>Conducted by:</b>	Wayne D'Avanzo	<b>Project:</b>	2073	
<b>Location:</b>	3 Tupelo Road	<b>Town:</b>	Westport	
<b>Client:</b>	Lewis Liebert	<b>Date:</b>	5/5/2022	
<b>Weather conditions prior to and during tests:</b>	Clear			
<b>Single Lot:</b>	X	<b>Subdivision:</b>		
<b>Diameter of Hole:</b>	8"	<b>Depth of Hole:</b>	20"	
<b>PT-3</b>	Design			
<b>Pre-soak @ 10:00 AM</b>	3.57 Hr. (1.5 F.S.)			
Time	Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:10 AM	---	3 1/2"	---	---
11:20 AM	10 Min.	7 1/2"	4"	2.5 Min.
11:30 AM	10 Min.	10"	2 1/2"	4.0 Min.
11:40 AM	10 Min.	11 3/4"	1 3/4"	5.7 Min.
11:50 AM	10 Min.	13"	1 1/4"	8.0 Min.
12:00 PM	10 Min.	14"	1"	10.0 Min.
12:10 PM	10 Min.	14 7/8"	7/8"	11.4 Min.
<b>Single Lot:</b>	X	<b>Subdivision:</b>		
<b>Diameter of Hole:</b>	8"	<b>Depth of Hole:</b>	20"	
<b>PT-4</b>	Design			
<b>Pre-soak @ 10:35 AM</b>	3.57/hr (1.5 F.S.)			
Time	Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:15 AM	---	4 1/2"	---	---
11:25 AM	10 Min.	8 1/4"	3 3/4"	2.7 Min.
11:35 AM	10 Min.	10 3/4"	2 1/2"	4.0 Min.
11:45 AM	10 Min.	12 3/4"	2"	5.0 Min.
11:55 AM	10 Min.	14 1/4"	1 1/2"	6.7 Min.
12:05 PM	10 Min.	15 1/4"	1"	10.0 Min.
12:15 PM	10 Min.	16 1/8"	7/8"	11.4 Min.

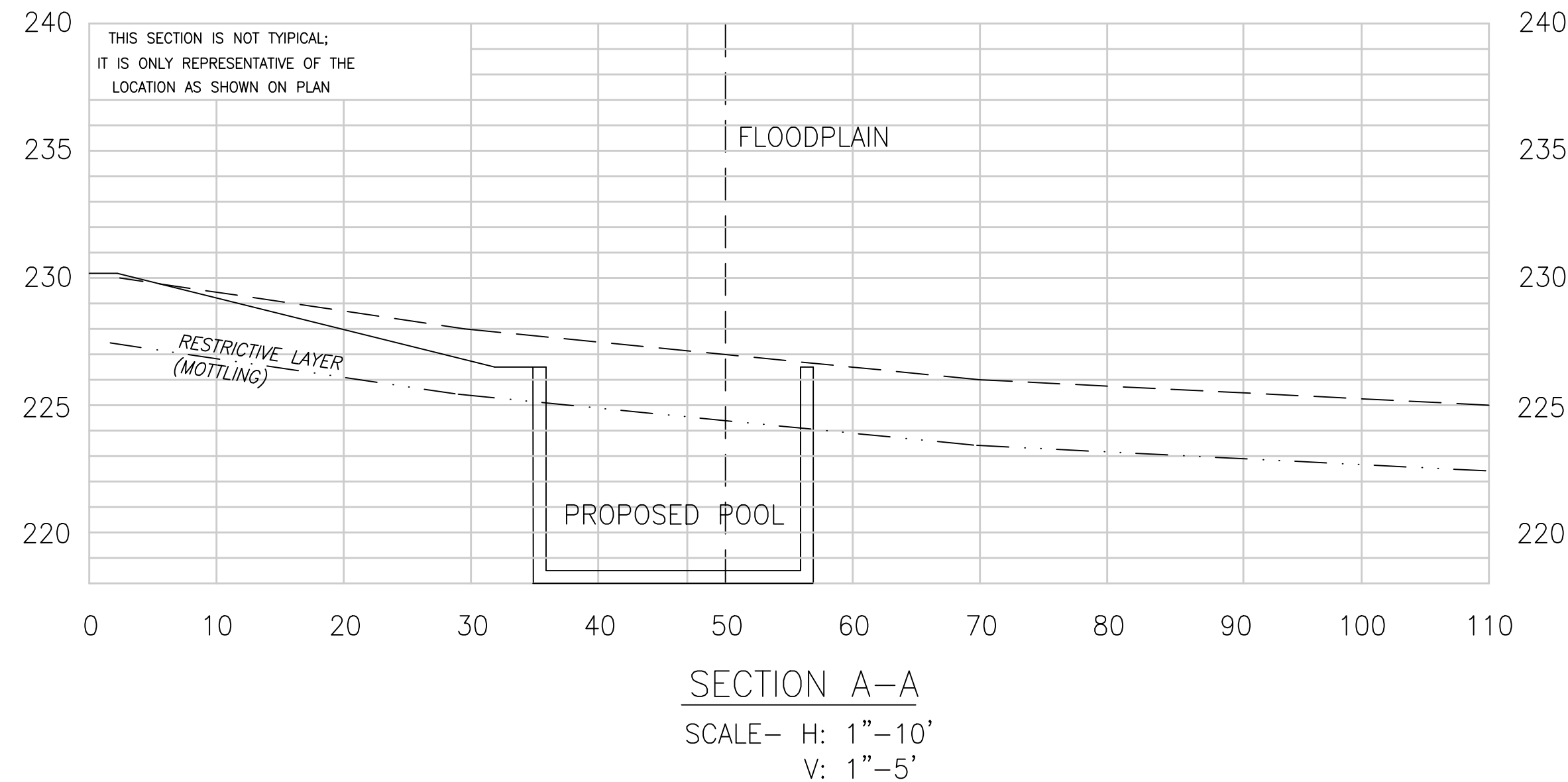


DIRTBAG<sup>®</sup>  
 BY ACF ENVIRONMENTAL, INC.  
 RICHMOND, VIRGINIA  
 NOT TO SCALE

<b>Conducted by:</b>	Wayne D'Avanzo	<b>Project:</b>	2073	
<b>Location:</b>	3 Tupelo Road	<b>Town:</b>	Westport	
<b>Client:</b>	Lewis Liebert	<b>Date:</b>	11/7/2022	
<b>Weather conditions prior to and during tests:</b>	Clear			
<b>Single Lot:</b>	X	<b>Subdivision:</b>		
<b>Diameter of Hole:</b>	8"	<b>Depth of Hole:</b>	23"	
<b>PT-1</b>	Design			
<b>Pre-soak @ 10:30 AM</b>	4.57 Hr. (1.5 F.S.)			
Time	Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:40 AM	---	4 3/8"	---	---
11:50 AM	10 Min.	9 3/8"	5"	2.0 Min.
12:00 PM	10 Min.	12 1/2"	3 1/8"	3.2 Min.
12:10 PM	10 Min.	14 5/8"	2 1/8"	4.7 Min.
12:20 PM	10 Min.	16 3/8"	1 3/4"	5.7 Min.
12:30 PM	10 Min.	17 5/8"	1 1/4"	8.0 Min.
12:40 PM	10 Min.	18 3/4"	1 1/8"	8.9 Min.
<b>Single Lot:</b>	X	<b>Subdivision:</b>		
<b>Diameter of Hole:</b>	8"	<b>Depth of Hole:</b>	24"	
<b>PT-2</b>	Design			
<b>Pre-soak @ 10:32 AM</b>	4.57/hr (1.5 F.S.)			
Time	Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:42 AM	---	4"	---	---
11:52 AM	10 Min.	8 1/2"	4 1/2"	2.2 Min.
12:02 PM	10 Min.	11"	2 1/2"	5.0 Min.
12:12 PM	10 Min.	12 3/4"	1 3/4"	5.7 Min.
12:22 PM	10 Min.	14 1/4"	1 1/2"	6.7 Min.
12:32 PM	10 Min.	15 3/8"	1 1/8"	8.9 Min.
12:42 PM	10 Min.	16 1/2"	1 1/8"	8.9 Min.

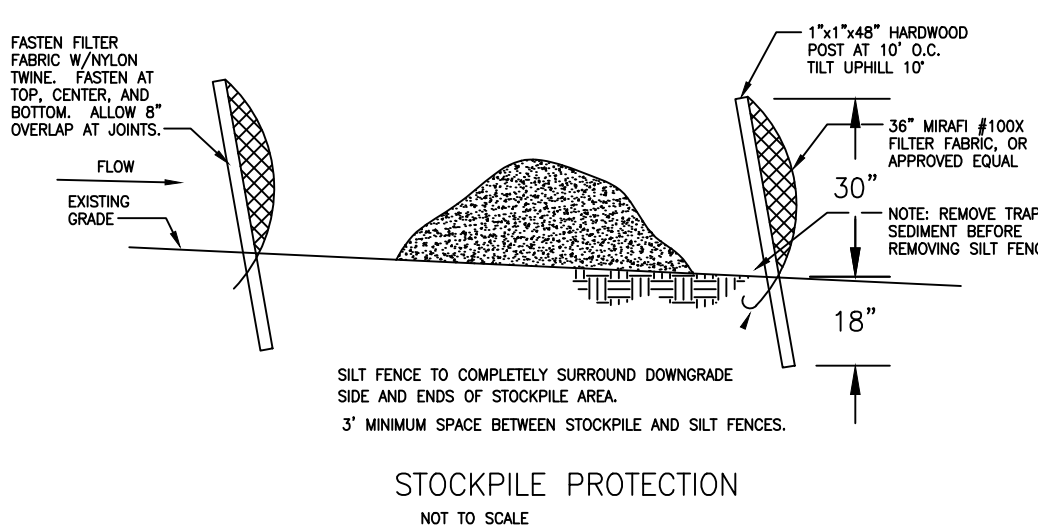


DOUBLE SILT FENCE W/HAYBALES  
 NOT TO SCALE

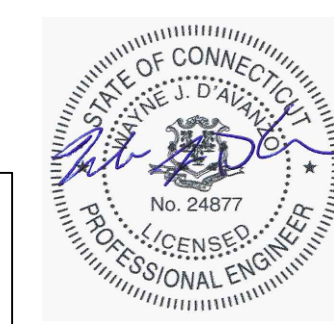


<b>FCE Project #</b>	2073	<b>Date Performed:</b>	5/4/2023
<b>Client:</b>	Lewis Liebert		
<b>Location:</b>	3 Tupelo Road, Westport		
<b>Observed by:</b>	Wayne D'Avanzo		
<b>Test Hole 6:</b>	0-6" Topsoil 6-19" Brown Silty Loam 19-35" Grey Silt No Ground Water Mottling @ 19" No Ledge		
<b>Test Hole 7:</b>	0-7" Topsoil 7-19" Brown Silty Loam 19-42" Grey Silt No Ground Water Mottling @ 19" No Ledge		
<b>Test Hole 8:</b>	0-12" Topsoil/Misc Fill 12-36" Grey Silt No Ground Water Mottling @ 12" No Ledge		

<b>FCE Project #</b>	2073	<b>Date Performed:</b>	2/2/2023
<b>Client:</b>	Lewis Liebert		
<b>Location:</b>	3 Tupelo Road, Westport		
<b>Observed by:</b>	Wayne D'Avanzo		
<b>Test Hole 5:</b>	0-7" Topsoil 7-25" Misc Fill 25-28" Original Topsoil 28-40" Orange Sandy Loam No Ground Water Mottling @ 31" No Ledge		



STOCKPILE PROTECTION  
 NOT TO SCALE



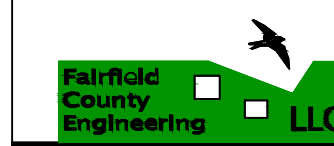
REV. 9/14/23: PER CONSERVATION COMMENTS.  
 REV. 9/11/23: PER CONSERVATION COMMENTS.  
 REV. 8/28/23: COMPENSATORY VOLUME.  
 REV. 8/24/23: POOL RELOCATED.

**LEWIS LIEBERT**  
 3 TUPELO ROAD WESTPORT, CONNECTICUT

DETAIL SHEET

CIVIL ENGINEERS

2073  
 project



**FAIRFIELD COUNTY ENGINEERING L.L.C.**

60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006

2 OF 2  
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