



EROSION AND SEDIMENT CONTROL REPORT
COMPRESSOR STATION 165
TRANSCO VILLAGE, PITTSYLVANIA COUNTY, VIRGINIA

Prepared for:

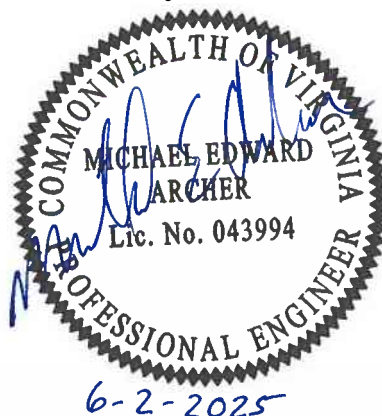
WILLIAMS TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC.

Prepared by:

Civil & Environmental Consultants, Inc.
Pittsburgh, Pennsylvania

CEC Project 341-132

May 2025



Civil & Environmental Consultants, Inc.

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1.0 PURPOSE

The purpose of this report is to document compliance of proposed erosion control best management practices (BMPs) with Virginia state regulations and specifically 9VAC25-875-560 (effective July 1, 2024). Supporting calculations can be found in the attachments following this narrative.

2.0 PROJECT INFORMATION

Transcontinental Gas Pipe Line Company, LLC (Transco) is proposing the Compressor Station 165 project located in Pittsylvania County, Virginia. The project boundary is divided by State Route (S.R.) 692 (Transco Road). The overall permitted Limit of Disturbance (LOD) for this project is 97.86 acres. The majority of the permitted LOD will remain undisturbed and does not include proposed improvements or alterations.

The site is comprised of an existing facility and will remain mostly undisturbed/unimproved throughout the duration of this project. The largest portion of disturbance activity will occur north of Transco Road. This portion of the project includes the construction of a proposed compressor station pad, substation pad, launcher pad, access roads, utilities, and stormwater Best Management Practices (BMPs). The existing ground cover within this portion of the project is primarily forest. There is minimal existing development, limited to a gravel driveway, a dirt trail, and an abandoned house. Soils within this portion of the project are mostly hydrologic soil group (HSG) B with the exception of a small area to the southeast which is made up of HSG D Soils. According to soil classification information compiled from USDA Web Soil Survey, there are two types of soils in this portion of the project. Slopes within the northern portion of the project are generally between 2% and 15%, and there are no streams or wetlands within the proposed development area. These areas have been protected from development and appropriate 50' boundary offset was used when establishing the LOD adjacent to aquatic resources. The northern portion of the site drains to the Banister River-Shockoe Creek watershed (HUC 030101050203). This area of the site makes up 27.33 acres of the total LOD.

The area of the project south of Transco Road is an existing Transco facility and makes up the remaining 70.53 acres of LOD. The land cover in this portion of the site is primarily existing gravel and maintained grass to remain. A 0.15 acre gravel area and utilities are proposed. The southern portion of the site drains to Cherrystone Creek watershed (HUC 030101050104). There are streams and wetlands located within the LOD south of Transco Road.

The project will be constructed in Phases. Phase 1 includes the development of the entire launcher pad and a portion of the compressor and substation pads, during which time no trees are to be cleared. The pads will remain earthen in Phase 1 except for the areas specified to be gravel in the plans. In Phase 2, trees will be cleared, and the remainder of the improvements will be built. The pads will be gravel in Phase 2.

3.0 BMP REQUIREMENTS

The BMPs listed in this plan shall be installed and maintained in accordance with the Virginia Stormwater Management Handbook Version 1.1 (VSMH). The BMPs contained in this plan shall be installed as shown on the E&S drawings prior to earth disturbance (including clearing and grubbing) within the tributary area of each BMP. Appropriate BMPs shall be provided for each stage of activity. Each BMP shall be kept functional until all earth-disturbing activities within the tributary area are completed and a uniform 70% perennial vegetated cover is achieved over the entire disturbed area or other suitable permanent erosion protection has been installed. The permittee shall keep a written record documenting each inspection and BMP repair and maintenance activities.

The Erosion and Sedimentation (E&S) Control Plan has been designed to fulfill the requirements outlined below. BMP construction details are provided on the E&S drawings. Supporting calculations for each BMP, if applicable, are appended.

- Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven days to denuded areas that may not be at final grade but will remain dormant for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.
- During construction of the project, soil stockpiles and borrow areas shall be stabilized or protected with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as borrow areas and soil intentionally transported from the project site.
- A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is achieved that is uniform, is mature enough to survive, and will inhibit erosion.
- Sediment basins and traps, perimeter dikes, sediment barriers, and other measures intended to trap sediment shall be constructed as a first step in any land-disturbing activity and shall be made functional before upslope land disturbance takes place.
- Stabilization measures shall be applied to earthen structures such as dams, dikes, and diversions immediately after installation.
- Sediment traps and sediment basins shall be designed and constructed based upon the total drainage area to be served by the trap or basin.
 - The minimum storage capacity of a sediment trap shall be 134 cubic yards per acre of drainage area and the trap shall only control drainage areas less than three acres.
 - Surface runoff from disturbed areas that is comprised of flow from drainage areas greater than or equal to three acres shall be controlled by a sediment basin. The minimum storage capacity of a sediment basin shall be 134 cubic yards per acre of drainage area. The outfall system shall, at a minimum, maintain the structural integrity of the basin during a 25-year storm of 24-hour duration. Runoff coefficients used in

runoff calculations shall correspond to a bare earth condition or those conditions expected to exist while the sediment basin is utilized.

- Cut and fill slopes shall be designed and constructed in a manner that will minimize erosion. Slopes that are found to be eroding excessively within one year of permanent stabilization shall be protected and have additional slope stabilizing measures applied until the problem is corrected.
- Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel, flume, or slope drain structure.
- Whenever water seeps from a slope face, adequate drainage or other protection shall be provided.
- All storm sewer inlets that are made operable during construction shall be protected so that sediment-laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment.
- Before newly constructed stormwater conveyance channels or pipes are made operational, adequate outlet protection and any required temporary or permanent channel lining shall be installed in both the conveyance channel and receiving channel.
- Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
 - No more than 500 linear feet of trench may be opened at one time.
 - Excavated material shall be placed on the uphill side of trenches.
 - Effluent from dewatering operations shall be filtered or passed through an approved sediment trapping device, or both, and discharged in a manner that does not adversely affect flowing streams or off-site property.
 - Material used for backfilling trenches shall be properly compacted in order to minimize erosion and promote stabilization.
 - Re-stabilization shall be accomplished in accordance with the 9VAC25-875-560 minimum standards.
 - Applicable safety requirements shall be complied with.
- Where construction vehicle access routes intersect paved or public roads, provisions shall be made to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or public road surface, the road surface shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to individual development lots as well as to larger land-disturbing activities.
- All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization or after the temporary measures are no longer needed, unless otherwise authorized by the VESCP or VESMP authority. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation.
- Properties and waterways downstream from development sites shall be protected from sediment deposition, erosion, and damage due to increases in volume, velocity, and peak flow rate of

stormwater runoff for the stated frequency storm of 24-hour duration in accordance with the following standards and criteria. Stream restoration and relocation projects that incorporate natural channel design concepts are not manmade channels and shall be exempt from any flow rate capacity and velocity requirements for natural or manmade channels:

- Concentrated stormwater runoff leaving a development site shall be discharged directly into an adequate natural or manmade receiving channel, pipe, or storm sewer system. For those sites where runoff is discharged into a pipe or pipe system, downstream stability analyses at the outfall of the pipe or pipe system shall be performed.
 - Adequacy of all channels and pipes shall be verified in the following manner:
 - The applicant shall demonstrate that the total drainage area to the point of analysis within the channel is 100 times greater than the contributing drainage area of the project in question; or
 - Natural channels shall be analyzed by the use of a two-year storm to verify that stormwater will not overtop channel banks nor cause erosion of channel bed or banks.
 - All previously constructed manmade channels shall be analyzed by the use of a 10-year storm to verify that stormwater will not overtop the stormwater's banks and by the use of a two-year storm to demonstrate that stormwater will not cause erosion of channel bed or banks; and
 - Pipes and storm sewer systems shall be analyzed by the use of a 10-year storm to verify that stormwater will be contained within the pipe or system.
- All hydrologic analyses shall be based on the existing watershed characteristics and the ultimate development condition of the subject project.
 - If the applicant chooses an option that includes stormwater detention, the applicant shall obtain approval from the VESCP or VESMP authority for a plan for maintenance of the detention facilities. The plan shall set forth the maintenance requirements of the facility and the person responsible for performing the maintenance.
 - Outfall from a detention facility shall be discharged to a receiving channel, and energy dissipators shall be placed at the outfall of all detention facilities as necessary to provide a stabilized transition from the facility to the receiving channel.
 - All on-site channels must be verified to be adequate.
 - Increased volumes of sheet flows that may cause erosion or sedimentation on adjacent property shall be diverted to a stable outlet, adequate channel, pipe, or pipe system or to a detention facility.
 - All measures used to protect properties and waterways shall be employed in a manner that minimizes impacts on the physical, chemical, and biological integrity of rivers, streams, and other waters of the state.

APPENDIX A

COMPOST FILTER SOCK CALCULATIONS



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 1

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	35	36	36	1	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	35			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 2

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	34	36	36	2	6%	OK
SLOPE =	4	SLOPE LENGTH =	5	238	13	8	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	39			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 3

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	24	223	223	199	89%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	24			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 4

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	120	223	223	103	46%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	120			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 5

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	125	223	223	98	44%	OK
SLOPE =	4	SLOPE LENGTH =	60	149	65	5	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	185			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 6

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	112	149	149	37	25%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 7

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	119	149	149	30	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	119			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 8

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	96	149	149	53	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	96			



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SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 9

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	111	193	193	82	42%	OK
SLOPE =	5	SLOPE LENGTH =	72	193	82	10	5%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	183			



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SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 10

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	51	238	238	187	79%	OK
SLOPE =	6	SLOPE LENGTH =	108	164	129	21	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	159			



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SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 11

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	163	164	164	1	1%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	163			



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SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 12

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	131	164	164	33	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	131			



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SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 13

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	32	36	36	4	11%	OK
SLOPE =	12	SLOPE LENGTH =	15	134	15	0	0%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	47			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 14

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	21	36	36	15	42%	OK
SLOPE =	7	SLOPE LENGTH =	32	164	68	36	22%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	53			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 15

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	22	36	36	14	39%	OK
SLOPE =	8	SLOPE LENGTH =	41	164	64	23	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	63			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 16

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	22	36	36	14	39%	OK
SLOPE =	8	SLOPE LENGTH =	57	164	64	7	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	79			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 17

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	21	36	36	15	42%	OK
SLOPE =	7	SLOPE LENGTH =	47	164	68	21	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	68			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 18

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	21	36	36	15	42%	OK
SLOPE =	7	SLOPE LENGTH =	20	164	68	48	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	41			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 19

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	24	36	36	12	33%	OK
SLOPE =	9	SLOPE LENGTH =	46	164	55	9	5%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	70			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 20

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	17	30	30	13	43%	OK
SLOPE =	9	SLOPE LENGTH =	36	119	52	16	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	53			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 21

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	17	30	30	13	43%	OK
SLOPE =	8	SLOPE LENGTH =	32	119	52	20	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	49			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 22

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	103	505	505	402	80%	OK
SLOPE =	8	SLOPE LENGTH =	31	164	131	100	61%	OK
SLOPE =	50	SLOPE LENGTH =	8	24	15	7	29%	OK
SLOPE =	4	SLOPE LENGTH =	41	238	69	28	12%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	183			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 23

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	132	164	164	32	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	132			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 24

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	151	164	164	13	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	151			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 25

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	128	164	164	36	22%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	128			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 26

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	200	238	238	38	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	200			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 27

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	229	238	238	9	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	229			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 28

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	9	164	164	155	95%	OK
SLOPE =	50	SLOPE LENGTH =	12	24	23	11	46%	OK
SLOPE =	1	SLOPE LENGTH =	131	505	231	100	20%	OK
SLOPE =	5	SLOPE LENGTH =	42	238	47	5	2%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	194			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 29

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	6	193	193	187	97%	OK
SLOPE =	50	SLOPE LENGTH =	11	21	20	9	43%	OK
SLOPE =	1	SLOPE LENGTH =	127	386	165	38	10%	OK
SLOPE =	5	SLOPE LENGTH =	17	193	19	2	1%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	161			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 30

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	119	193	193	74	38%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	119			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 31

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	77	90	90	13	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	77			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 32

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	113	164	164	51	31%	OK
SLOPE =	5	SLOPE LENGTH =	46	164	51	5	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	159			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 33

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	134	164	164	30	18%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	134			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 34

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	11	27	27	16	59%	OK
SLOPE =	6	SLOPE LENGTH =	37	90	53	16	18%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 35

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	19	27	27	8	30%	OK
SLOPE =	6	SLOPE LENGTH =	15	90	27	12	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	34			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 36

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	36	238	238	202	85%	OK
SLOPE =	33	SLOPE LENGTH =	28	45	38	10	22%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	64			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 37

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	384	505	505	121	24%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	384			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 38

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	34	149	149	115	77%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	34			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 39

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	72	75	75	3	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	72			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 40

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	132	149	149	17	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	132			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 41

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	30	505	505	475	94%	OK
SLOPE =	6	SLOPE LENGTH =	120	164	154	34	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	150			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 42

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	145	149	149	4	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	145			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/29/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 43

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	44	149	149	105	70%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	44			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 44

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	96	149	149	53	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	96			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 45

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	96	149	149	53	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	96			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 46

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	96	149	149	53	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	96			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 47

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	66	149	149	83	56%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	66			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 48

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	51	149	149	98	66%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	51			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 49

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	46	223	223	177	79%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	46			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 50

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	33	75	75	42	56%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	33			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 51

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	32	75	75	43	57%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	32			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 52

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	172	223	223	51	23%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	172			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 53

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	158	223	223	65	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	158			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 54

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	200	223	223	23	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	200			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 55

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	210	297	297	87	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	210			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 56

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	10	223	223	213	96%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	10			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 57

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	28	149	149	121	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	28			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 58

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	42	149	149	107	72%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	42			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 59

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	94	149	149	55	37%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	94			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 60

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	52	149	149	97	65%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	52			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 61

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	94	149	149	55	37%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	94			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 62

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	46	75	75	29	39%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	46			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 63

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	73	75	75	2	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	73			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 64

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	100	119	119	19	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	100			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 65

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	127	164	164	37	23%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	127			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/3/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 66

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	136	164	164	28	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	136			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 67

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	236	238	238	2	1%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	236			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 68

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	135	149	149	14	9%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	135			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: 2/20/2025
DATE: EAH
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 69

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	263	505	505	242	48%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	263			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 70

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	112	149	149	37	25%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 71

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	66	149	149	83	56%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	66			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 72

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	203	223	223	20	9%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	203			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 4/30/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 73

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	23	149	149	126	85%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	23			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 74

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	32	149	149	117	79%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	32			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 75

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	23	223	223	200	90%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	23			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 76

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	44	223	223	179	80%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	44			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 77

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	57	149	149	92	62%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	57			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 78

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	86	149	149	63	42%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	86			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 79

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	119	149	149	30	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	119			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 80

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	71	149	149	78	52%	OK
SLOPE =	2	SLOPE LENGTH =	73	223	117	44	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	144			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 81

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	158	164	164	6	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	158			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 82

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	176	223	223	47	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	176			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 83

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	98	149	149	51	34%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	98			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 84

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	89	149	149	60	40%	OK
SLOPE =	5	SLOPE LENGTH =	56	149	60	4	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	145			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 85

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	230	297	297	67	23%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	230			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 86

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	16	297	297	281	95%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	16			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 87

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	14	SLOPE LENGTH =	27	134	134	107	80%	OK
SLOPE =	2	SLOPE LENGTH =	317	505	403	86	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	344			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 88

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	46	164	164	118	72%	OK
SLOPE =	2	SLOPE LENGTH =	192	505	363	171	34%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	238			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 89

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	11	SLOPE LENGTH =	45	134	134	89	66%	OK
SLOPE =	2	SLOPE LENGTH =	175	505	335	160	32%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	220			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 90

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	78	164	164	86	52%	OK
SLOPE =	2	SLOPE LENGTH =	82	297	156	74	25%	OK
SLOPE =	4	SLOPE LENGTH =	24	164	41	17	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	184			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 91

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	52	149	149	97	65%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	52			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 92

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	34	223	223	189	85%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	34			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 93

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	132	149	149	17	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	132			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 94

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	178	193	193	15	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	178			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 95

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	238	238	238	0	0%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	238			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 96

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	228	238	238	10	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	228			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 97

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	35	238	238	203	85%	OK
SLOPE =	9	SLOPE LENGTH =	83	164	140	57	35%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	118			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 98

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	122	164	164	42	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	122			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 99

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	158	164	164	6	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	158			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 100

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	141	238	238	97	41%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	141			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 101

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	146	164	164	18	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	146			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 102

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	146	164	164	18	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	146			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 103

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	11	SLOPE LENGTH =	75	95	95	20	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	75			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 104

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	75	119	119	44	37%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	75			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 105

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	81	119	119	38	32%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	81			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 106

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	101	119	119	18	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	101			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 107

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	104	119	119	15	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	104			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 108

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	116	164	164	48	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	116			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 109

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	147	164	164	17	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	147			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 110

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	121	164	164	43	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	121			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 111

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	161	164	164	3	2%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	161			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 112

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	64	238	238	174	73%	OK
SLOPE =	7	SLOPE LENGTH =	113	164	120	7	4%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	177			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 113

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	110	164	164	54	33%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	110			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 114

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	140	164	164	24	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	140			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 115

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	161	164	164	3	2%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	161			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 116

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	138	164	164	26	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	138			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 117

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	197	238	238	41	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	197			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 118

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	22	164	164	142	87%	OK
SLOPE =	3	SLOPE LENGTH =	200	238	206	6	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	222			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 119

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	102	193	193	91	47%	OK
SLOPE =	3	SLOPE LENGTH =	75	193	91	16	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	177			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 120

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	164	193	193	29	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	164			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 121

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	100	119	119	19	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	100			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 122

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	67	119	119	52	44%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	67			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 123

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	11	SLOPE LENGTH =	70	95	95	25	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	70			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 124

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	14	SLOPE LENGTH =	36	95	95	59	62%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	36			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 125

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	108	193	193	85	44%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	108			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 126

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	184	193	193	9	5%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	184			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 127

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	119	193	193	74	38%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	119			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 128

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	72	119	119	47	39%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	72			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 3/25/2024

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 129

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	51	193	193	142	74%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	51			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 130

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	172	238	238	66	28%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	172			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 131

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	152	164	164	12	7%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	152			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 132

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	104	164	164	60	37%	OK
SLOPE =	3	SLOPE LENGTH =	26	238	87	61	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	130			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 133

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	112	119	119	7	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 134

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	84	119	119	35	29%	OK
SLOPE =	1	SLOPE LENGTH =	74	386	114	40	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	158			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 135

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	105	193	193	88	46%	OK
SLOPE =	1	SLOPE LENGTH =	66	386	176	110	28%	OK
SLOPE =	4	SLOPE LENGTH =	35	193	55	20	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	206			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 136

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	119	164	164	45	27%	OK
SLOPE =	1	SLOPE LENGTH =	58	505	139	81	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	177			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 137

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	155	193	193	38	20%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	155			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 138

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	28	149	149	121	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	28			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 139

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	24	223	223	199	89%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	24			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 140

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	43	149	149	106	71%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	43			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 141

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	25	149	149	124	83%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	25			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 142

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	54	149	149	95	64%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	54			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 143

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	17	SLOPE LENGTH =	48	107	107	59	55%	OK
SLOPE =	1	SLOPE LENGTH =	182	505	278	96	19%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	230			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 144

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	12	SLOPE LENGTH =	38	51	51	13	25%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	38			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 145

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	21	149	149	128	86%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	21			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 146

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	32	149	149	117	79%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	32			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 147

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	31	149	149	118	79%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	31			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 148

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	43	223	223	180	81%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	43			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 149

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	36	149	149	113	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	36			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 150

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	11	223	223	212	95%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	11			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 151

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	18	149	149	131	88%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	18			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 152

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	22	75	75	53	71%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	22			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 153

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	28	75	75	47	63%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	28			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 154

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	8	24	24	16	67%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	8			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/2/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 155

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	65	149	149	84	56%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	65			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 156

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	16	149	149	133	89%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	16			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 157

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	28	75	75	47	63%	OK
SLOPE =	1	SLOPE LENGTH =	15	223	140	125	56%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	43			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 158

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	65	119	119	54	45%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	65			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 159

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	53	119	119	66	55%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	53			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 160

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	30	SLOPE LENGTH =	29	39	39	10	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	29			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 161

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	25	SLOPE LENGTH =	34	60	60	26	43%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	34			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 162

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	52	90	90	38	42%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	52			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 163

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	54	90	90	36	40%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	54			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: 164

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	122	164	164	42	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	122			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 165

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	203	238	238	35	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	203			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 166

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	60	238	238	178	75%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	60			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 167

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	222	238	238	16	7%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	222			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 168

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	35	SLOPE LENGTH =	38	45	45	7	16%	OK
SLOPE =	3	SLOPE LENGTH =	23	238	37	14	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	61			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock
BARRIER ID: 169

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	30	SLOPE LENGTH =	41	60	60	19	32%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	41			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 170

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	18	SLOPE LENGTH =	37	107	107	70	65%	OK
SLOPE =	5	SLOPE LENGTH =	119	238	156	37	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	156			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 171

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	36	75	75	39	52%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	36			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 172

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	118	149	149	31	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	118			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 173

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	82	149	149	67	45%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	82			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 174

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	14	SLOPE LENGTH =	19	51	51	32	63%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	19			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 175

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	43	75	75	32	43%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	43			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 176

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	12	SLOPE LENGTH =	8	51	51	43	84%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	8			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 177

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	11	75	75	64	85%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	11			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 178

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	13	SLOPE LENGTH =	22	51	51	29	57%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	22			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 179

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	17	SLOPE LENGTH =	19	39	39	20	51%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	19			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH **DATE:** 3/25/2025
CHECKED BY: EAH **DATE:** 4/20/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 180

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	72	223	223	151	68%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	72			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 181

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	55	223	223	168	75%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	55			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 182

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	48	149	149	101	68%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 183

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	25	149	149	124	83%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	25			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH **DATE:** 2/20/2025
CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 184

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	40	149	149	109	73%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/35/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 185

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	40	149	149	109	73%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 3/35/25

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 186

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	68	75	75	7	9%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	68			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/35/25
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 187

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	94	119	119	25	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	94			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH **DATE:** 3/20/2025
CHECKED BY: EAH **DATE:** 4/25/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 188

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	34	119	119	85	71%	OK
SLOPE =	4	SLOPE LENGTH =	132	193	138	6	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	166			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 189

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	51	223	223	172	77%	OK
SLOPE =	12	SLOPE LENGTH =	18	51	39	21	41%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	69			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 190

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	59	75	75	16	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	59			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 191

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	102	119	119	17	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	102			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 192

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	138	164	164	26	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	138			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: BJH
CHECKED BY: EAH
DATE: 2/20/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 193

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	160	193	193	33	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	160			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: 194

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	175	193	193	18	9%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	175			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH **DATE:** 2/20/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 195

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	40	SLOPE LENGTH =	32	36	36	4	11%	OK
SLOPE =	2	SLOPE LENGTH =	39	505	56	17	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	71			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 196

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	51	149	149	98	66%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	51			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 197

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	64	149	149	85	57%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	64			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 198

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	33	149	149	116	78%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	33			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 199

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	63	149	149	86	58%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	63			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: EAH
DATE: 3/25/2025
DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock
BARRIER ID: 200

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	89	149	149	60	40%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	89			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 201

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	72	238	238	166	70%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	72			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 202

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	37	149	149	112	75%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	37			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID:

203

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	77	90	90	13	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	77			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 204

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	21	193	193	172	89%	OK
SLOPE =	8	SLOPE LENGTH =	85	119	106	21	18%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	106			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID:

205

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	35	SLOPE LENGTH =	8	33	33	25	76%	OK
SLOPE =	12	SLOPE LENGTH =	11	95	72	61	64%	OK
SLOPE =	4	SLOPE LENGTH =	39	193	124	85	44%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	58			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 206

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	35	SLOPE LENGTH =	11	33	33	22	67%	OK
SLOPE =	8	SLOPE LENGTH =	59	119	79	20	17%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	70			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 207

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	29	45	45	16	36%	OK
SLOPE =	11	SLOPE LENGTH =	39	134	48	9	7%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	68			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 208

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	32	45	45	13	29%	OK
SLOPE =	9	SLOPE LENGTH =	46	164	47	1	1%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	78			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 209

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	28	45	45	17	38%	OK
SLOPE =	15	SLOPE LENGTH =	27	134	51	24	18%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	55			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 210

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	24	33	33	9	27%	OK
SLOPE =	9	SLOPE LENGTH =	26	119	32	6	5%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	50			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: LCW

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

211

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	10	SLOPE LENGTH =	14	75	75	61	81%	OK
SLOPE =	14	SLOPE LENGTH =	37	51	41	4	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	51			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 3/25/2025

CHECKED BY: EAH **DATE:** 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 212

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	14	SLOPE LENGTH =	40	51	51	11	22%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 213

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	112	119	119	7	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 214

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	115	119	119	4	3%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	115			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 215

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	112	119	119	7	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 216

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	85	119	119	34	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	85			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

217

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	40	75	75	35	47%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 218

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	39	75	75	36	48%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	39			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

219

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	56	75	75	19	25%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	56			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: EAH **DATE:** 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 220

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	55	75	75	20	27%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	55			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 221

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	50	SLOPE LENGTH =	5	21	21	16	76%	OK
SLOPE =	5	SLOPE LENGTH =	82	193	147	65	34%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	87			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: BJH
DATE: 3/25/2025
DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 222

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	50	SLOPE LENGTH =	5	21	21	16	76%	OK
SLOPE =	4	SLOPE LENGTH =	132	193	147	15	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	137			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 223

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	18	33	33	15	45%	OK
SLOPE =	20	SLOPE LENGTH =	27	78	35	8	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	45			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 224

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	20	33	33	13	39%	OK
SLOPE =	7	SLOPE LENGTH =	28	119	47	19	16%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: EAH **DATE:** 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 225

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	16	33	33	17	52%	OK
SLOPE =	9	SLOPE LENGTH =	54	119	61	7	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	70			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

226

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	14	45	45	31	69%	OK
SLOPE =	6	SLOPE LENGTH =	90	164	113	23	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	104			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 227

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	14	45	45	31	69%	OK
SLOPE =	7	SLOPE LENGTH =	91	164	113	22	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	105			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

228

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	13	45	45	32	71%	OK
SLOPE =	12	SLOPE LENGTH =	71	134	95	24	18%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	84			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: EAH **DATE:** 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 229

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	13	33	33	20	61%	OK
SLOPE =	10	SLOPE LENGTH =	63	119	72	9	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	76			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 3/25/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 230

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	14	33	33	19	58%	OK
SLOPE =	8	SLOPE LENGTH =	51	119	69	18	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	65			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 231

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	15	33	33	18	55%	OK
SLOPE =	8	SLOPE LENGTH =	28	119	65	37	31%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	43			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 232

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	9	33	33	24	73%	OK
SLOPE =	3	SLOPE LENGTH =	11	193	140	129	67%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	20			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 5/2/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 233

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	50	SLOPE LENGTH =	13	21	21	8	38%	OK
SLOPE =	15	SLOPE LENGTH =	8	95	36	28	29%	OK
SLOPE =	22	SLOPE LENGTH =	12	60	18	6	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	33			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 234

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	61	238	238	177	74%	OK
SLOPE =	8	SLOPE LENGTH =	27	68	51	24	35%	OK
SLOPE =	3	SLOPE LENGTH =	60	238	84	24	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	148			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

235

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	66	164	164	98	60%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	66			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 5/2/2025

CHECKED BY: BJH

DATE: 5/2/205

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

236

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	144	238	238	94	39%	OK
SLOPE =	3	SLOPE LENGTH =	31	238	94	63	26%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	175			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 5/2/2025

CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 237

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	153	164	164	11	7%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	153			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 5/2/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 238

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	143	164	164	21	13%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	143			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 5/2/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 239

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	112	164	164	52	32%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	112			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 5/2/2025

CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 240

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	101	119	119	18	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	101			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 241

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	238	238	238	0	0%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	238			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

242

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	40	164	164	124	76%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	40			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

243

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	49	164	164	115	70%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	49			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

244

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	6	SLOPE LENGTH =	19	164	164	145	88%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	19			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 245

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	50	SLOPE LENGTH =	17	24	24	7	29%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	17			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID:

246

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	166	297	297	131	44%	OK
SLOPE =	50	SLOPE LENGTH =	6	18	8	2	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	172			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock

BARRIER ID: 247

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	50	SLOPE LENGTH =	9	18	18	9	50%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	9			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 248

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	1	SLOPE LENGTH =	142	223	223	81	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	142			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID:

249

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	183	238	238	55	23%	OK
SLOPE =	33	SLOPE LENGTH =	10	45	10	0	0%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	193			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: BJH

DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 250

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	30	SLOPE LENGTH =	30	60	60	30	50%	OK
SLOPE =	8	SLOPE LENGTH =	64	164	82	18	11%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	94			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 251

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	21	45	45	24	53%	OK
SLOPE =	1	SLOPE LENGTH =	81	505	269	188	37%	OK
SLOPE =	6	SLOPE LENGTH =	60	164	61	1	1%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	162			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

252

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	30	75	75	45	60%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	30			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

253

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	15	24	24	9	38%	OK
SLOPE =	2	SLOPE LENGTH =	38	223	84	46	21%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	53			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

254

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	33	SLOPE LENGTH =	15	24	24	9	38%	OK
SLOPE =	5	SLOPE LENGTH =	34	149	56	22	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	49			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock

BARRIER ID: 255

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	178	193	193	15	8%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	178			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 256

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	101	149	149	48	32%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	101			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: 257

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	204	238	238	34	14%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	204			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 258

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	140	149	149	9	6%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	140			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 5/1/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

259

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	8	SLOPE LENGTH =	44	75	75	31	41%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	44			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 260

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	9	SLOPE LENGTH =	48	75	75	27	36%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	48			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 261

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	7	SLOPE LENGTH =	68	75	75	7	9%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	68			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/20/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 262

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	51	149	149	98	66%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	51			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID:

263

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	3	SLOPE LENGTH =	11	149	149	138	93%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	11			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 4/9/2025

CHECKED BY: EAH **DATE:** 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 264

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	119	223	223	104	47%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	119			



SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH

DATE: 4/9/2025

CHECKED BY: EAH

DATE: 4/30/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 12" Compost Filter Sock

BARRIER ID: 265

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	2	SLOPE LENGTH =	124	223	223	99	44%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	124			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: JBH **DATE:** 5/2/2025

CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 32" Compost Filter Sock

BARRIER ID: A

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	4	SLOPE LENGTH =	164	238	238	74	31%	OK
SLOPE =	8	SLOPE LENGTH =	26	164	51	25	15%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	190			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH
CHECKED BY: BJH
DATE: 5/2/2025
DATE: 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 18" Compost Filter Sock
BARRIER ID: B

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	5	SLOPE LENGTH =	147	164	164	17	10%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	147			



Civil & Environmental Consultants, Inc.

SEDIMENT BARRIER WORKSHEET

PROJECT NAME: Compressor Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, Virginia
PREPARED BY: JBH **DATE:** 5/2/2025
CHECKED BY: BJH **DATE:** 5/2/2025

PROPOSED TYPE OF SEDIMENT BARRIER: 24" Compost Filter Sock
BARRIER ID: C

Maximum Slope	%	Maximum flow Length	LF	Max. allowable Flow length (FT)	Actual Allowable Flow length (FT)	Remaining Length (FT)	Percent Remaining	Result
SLOPE =	11	SLOPE LENGTH =	58	95	95	37	39%	OK
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
SLOPE =		SLOPE LENGTH =						
				TOTAL ACTUAL FLOW LENGTH (FT)	58			

APPENDIX B

COMPOST FILTER SOCK DIVERSION BERM CALCULATIONS

Compost Filter Sock Diversion Berm

PROJECT NAME: Compressor Station 165

PROJECT NUMBER: 341-132

LOCATION: Pittsylvania County, Virginia

PREPARED BY: BJH

DATE: 4/29/2025

CHECKED BY: JTD

DATE: 4/30/2025

Compost Filtersock Diversion Berm	DRAINAGE AREA (AC)	TEMP (T) OR PERM (P)	TC (MIN) ¹	DESIGN STORM	INTENSITY (IN/HR)	RUNOFF COEFFICIENT	DIRECT FLOW, Q=CIA (CFS)	INDIRECT FLOW (CFS)	TOTAL FLOW (CFS)	MIN. SLOPE (%)	MAX. SLOPE (%)	RIGHT SIDE SLOPES (X ₂ :1)	LEFT SIDE SLOPES (X ₂ :1)	BOTTOM WIDTH (FT)	NORMAL DEPTH (FT)	FREEBOARD (FT)	CFS Size (IN)	CFS Equivalent Hight (IN)	NOTES
Compost Filter Sock Diversion Berm No.1	1.03	T	5.0	10-Year	6.79	0.34	2.37	0.00	2.37	3.0		20.0	1.0	0.0	0.47	0.74	18.00	14.5	

APPENDIX C

COMPOST FILTER SOCK SEDIMENT TRAP CALCULATIONS

COMPOST FILTER SOCK SEDIMENT TRAP

T1

PROJECT NAME: Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, VA
PREPARED BY: BJH
CHECKED BY: JTD
DATE: 3/16/2025
DATE: 4/30/2025

CONTRIBUTING DRAINAGE AREA (AC): 1.90
TOTAL STORAGE REQUIRED (CF)*: 6,874

*Total drainage area * 3,618 cf/acre:

Sock Configuration
 3-24", 2-18", 1-12"

*Bottom layer, Middle layer, Top layer

Exclude 32" Sock from Configuration? NO

BOTTOM ELEVATION OF TRAP (FT): 622.00
TOP ELEVATION OF TRAP (FT): 625.58

Storage Height Req. (ft)*:	2.40
Actual Height Provided (ft) ¹ :	3.58
Freeboard Provided (ft):	1.18

*Total Height Required includes a minimum 1' of freeboard above the Storage Height Required shown here, which is accounted for in the Actual Height Provided

OPTIONAL SUMP TO BE USED? NO

ELEVATION (FT)	AREA (SF)	AVERAGE AREA (SF)	INCREMENTAL VOLUME (CF)	TOTAL VOLUME (CF)
622.0	0	0	0	0
622.2	472	236	47	47
622.4	944	708	142	189
622.6	1,415	1,180	236	425
622.8	1,887	1,651	330	755
623.0	2,359	2,123	425	1,180
623.2	3,016	2,687	537	1,717
623.4	3,672	3,344	669	2,386
623.6	4,329	4,001	800	3,186
623.8	4,985	4,657	931	4,117
624.0	5,642	5,314	1,063	5,180
624.2	6,573	6,107	1,221	6,401
624.4	7,504	7,038	1,408	7,809
624.6	8,434	7,969	1,594	9,403
624.8	9,365	8,900	1,780	11,183
625.0	10,296	9,831	1,966	13,149
625.2	11,040	10,668	2,134	15,283
625.4	11,784	11,412	2,282	17,565
625.6	12,529	12,157	2,431	19,996
625.8	13,273	12,901	2,580	22,577
626.0	14,017	13,645	2,729	25,306
626.2	16,190	15,104	3,021	28,326
626.4	18,364	17,277	3,455	31,782
626.6	20,537	19,451	3,890	35,672
626.8	22,711	21,624	4,325	39,997
627.0	24,884	23,797	4,759	44,756

Total Volume

*Note: Cells shown in gray are above the top of the sediment trap and are included for computational purposes only

1. Effective sock heights used in calculations have been adapted from Filtrrexx Design Manual Table 2.2 :

COMPOST FILTER SOCK SEDIMENT TRAP

T2

PROJECT NAME: Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, VA
PREPARED BY: BJH
CHECKED BY: JTD
DATE: 3/16/2025
DATE: 4/30/2025

CONTRIBUTING DRAINAGE AREA (AC): 1.32
TOTAL STORAGE REQUIRED (CF)*: 4,776

*Total drainage area * 3,618 cf/acre:

Sock Configuration
 2-32", 1-24"

*Bottom layer, Middle layer, Top layer

Exclude 32" Sock from Configuration? NO

BOTTOM ELEVATION OF TRAP (FT): 644.00
TOP ELEVATION OF TRAP (FT): 647.75

Storage Height Req. (ft)*:	2.60
Actual Height Provided (ft) ¹ :	3.75
Freeboard Provided (ft):	1.15

*Total Height Required includes a minimum 1' of freeboard above the Storage Height Required shown here, which is accounted for in the Actual Height Provided

OPTIONAL SUMP TO BE USED? NO

ELEVATION (FT)	AREA (SF)	AVERAGE AREA (SF)	INCREMENTAL VOLUME (CF)	TOTAL VOLUME (CF)
644.0	0	0	0	0
644.2	228	114	23	23
644.4	456	342	68	91
644.6	685	571	114	205
644.8	913	799	160	365
645.0	1,141	1,027	205	571
645.2	1,585	1,363	273	843
645.4	2,029	1,807	361	1,205
645.6	2,474	2,252	450	1,655
645.8	2,918	2,696	539	2,194
646.0	3,362	3,140	628	2,822
646.2	4,107	3,735	747	3,569
646.4	4,853	4,480	896	4,465
646.6	5,598	5,226	1,045	5,510
646.8	6,344	5,971	1,194	6,704
647.0	7,089	6,716	1,343	8,048
647.2	7,833	7,461	1,492	9,540
647.4	8,577	8,205	1,641	11,181
647.6	9,322	8,950	1,790	12,971
647.8	10,066	9,694	1,939	14,909
648.0	10,810	10,438	2,088	16,997
648.2	12,983	11,897	2,379	19,376
648.4	15,157	14,070	2,814	22,190
648.6	17,330	16,244	3,249	25,439
648.8	19,504	18,417	3,683	29,122
649.0	21,677	20,590	4,118	33,241

Total Volume

*Note: Cells shown in gray are above the top of the sediment trap and are included for computational purposes only

1. Effective sock heights used in calculations have been adapted from Filtrrex Design Manual Table 2.2 :

COMPOST FILTER SOCK SEDIMENT TRAP

T3

PROJECT NAME: Station 165
PROJECT NUMBER: 341-132
LOCATION: Pittsylvania County, VA
PREPARED BY: BJH
CHECKED BY: JTD
DATE: 3/16/2025
DATE: 4/30/2025

CONTRIBUTING DRAINAGE AREA (AC): 0.66
TOTAL STORAGE REQUIRED (CF)*: 2,388

*Total drainage area * 3,618 cf/acre:

Sock Configuration
 3-24", 2-18", 1-12"

*Bottom layer, Middle layer, Top layer

Exclude 32" Sock from Configuration? NO

BOTTOM ELEVATION OF TRAP (FT): 645.00
TOP ELEVATION OF TRAP (FT): 648.58

Storage Height Req. (ft)*:	2.40
Actual Height Provided (ft) ¹ :	3.58
Freeboard Provided (ft):	1.18

*Total Height Required includes a minimum 1' of freeboard above the Storage Height Required shown here, which is accounted for in the Actual Height Provided

OPTIONAL SUMP TO BE USED? NO

ELEVATION (FT)	AREA (SF)	AVERAGE AREA (SF)	INCREMENTAL VOLUME (CF)	TOTAL VOLUME (CF)
645.0	0	0	0	0
645.2	105	53	11	11
645.4	211	158	32	42
645.6	316	264	53	95
645.8	422	369	74	169
646.0	527	474	95	264
646.2	835	681	136	400
646.4	1,143	989	198	598
646.6	1,451	1,297	259	857
646.8	1,759	1,605	321	1,178
647.0	2,067	1,913	383	1,561
647.2	2,568	2,318	464	2,024
647.4	3,069	2,819	564	2,588
647.6	3,570	3,320	664	3,252
647.8	4,071	3,821	764	4,016
648.0	4,572	4,322	864	4,880
648.2	5,316	4,944	989	5,869
648.4	6,060	5,688	1,138	7,006
648.6	6,805	6,433	1,287	8,293
648.8	7,549	7,177	1,435	9,728
649.0	8,293	7,921	1,584	11,313
649.2	10,466	9,380	1,876	13,188
649.4	12,640	11,553	2,311	15,499
649.6	14,813	13,727	2,745	18,244
649.8	16,987	15,900	3,180	21,424
650.0	19,160	18,073	3,615	25,039

Total Volume

*Note: Cells shown in gray are above the top of the sediment trap and are included for computational purposes only

1. Effective sock heights used in calculations have been adapted from Filtrex Design Manual Table 2.2 :

APPENDIX D

SEDIMENT BASIN CALCULATIONS

SEDIMENT BASIN #A
STAGE STORAGE DATA

PROJECT NAME:	Station 165	
PROJECT NUMBER:	341-132	
LOCATION:	Pittsylvania County, VA	
PREPARED BY:	JMP	DATE: 4/11/2025
CHECKED BY:	BJH	DATE: 4/17/2025

Contributing Drainage Area:	7.66	ac.		
Sediment Storage Volume Required:	13,857	CF (total area * 67 cy/acre)	513	CY
Sediment Cleanout				
Storage (Wet Reduced)	7,032	CF (total area * 34 cy/acre)	260	CY
Volume Required:	13,857	CF (total area * 67 cy/acre)	513	CY
Total Volume Required:	27,714	CF	1026	CY

Bottom Elevation of Basin:	648.0
Top Elevation of Basin:	656.0

Wet Storage Elevation:	651.2
Sediment Cleanout Elevation	650.0
Temporary Riser Crest Elevation:	653.0
TRCE Volume:	29,510 c.f.

Water Surface Elevation (FT)	Area (SF)	Average Area (SF)	Difference in Elevation (FT)	Storage Volume			
				Incremental (CF)	(CF)	(CY)	(ACRE-FT)
648.0	2,290				0	0	0.000
		2,407	0.20	481			
648.2	2,524				481	18	0.011
		2,641	0.20	528			
648.4	2,758				1,010	37	0.023
		2,875	0.20	575			
648.6	2,992				1,585	59	0.036
		3,109	0.20	622			
648.8	3,226				2,206	82	0.051
		3,343	0.20	669			
649.0	3,460				2,875	106	0.066
		3,599	0.20	720			
649.2	3,738				3,595	133	0.083
		3,877	0.20	775			
649.4	4,016				4,370	162	0.100
		4,155	0.20	831			
649.6	4,294				5,201	193	0.119
		4,433	0.20	887			
649.8	4,572				6,088	225	0.140
		4,711	0.20	942			
650.0	4,850				7,030	260	0.161
		5,013	0.20	1,003			
650.2	5,176				8,033	298	0.184
		5,339	0.20	1,068			
650.4	5,502				9,100	337	0.209
		5,665	0.20	1,133			
650.6	5,828				10,233	379	0.235
		5,991	0.20	1,198			
650.8	6,154				11,432	423	0.262
		6,317	0.20	1,263			
651.0	6,480				12,695	470	0.291
		6,667	0.20	1,333			
651.2	6,854				14,028	520	0.322
		7,041	0.20	1,408			
651.4	7,228				15,437	572	0.354
		7,415	0.20	1,483			
651.6	7,602				16,920	627	0.388
		7,789	0.20	1,558			
651.8	7,976				18,477	684	0.424
		8,163	0.20	1,633			
652.0	8,350				20,110	745	0.462
		8,560	0.20	1,712			
652.2	8,770				21,822	808	0.501
		8,980	0.20	1,796			
652.4	9,190				23,618	875	0.542
		9,400	0.20	1,880			
652.6	9,610				25,498	944	0.585
		9,820	0.20	1,964			
652.8	10,030				27,462	1,017	0.630
		10,240	0.20	2,048			
653.0	10,450				29,510	1,093	0.677
		10,683	0.20	2,137			
653.2	10,916				31,647	1,172	0.727
		11,149	0.20	2,230			
653.4	11,382				33,876	1,255	0.778
		11,615	0.20	2,323			

653.6	11,848				36,199	1,341	0.831
		12,081	0.20	2,416			
653.8	12,314				38,616	1,430	0.886
		12,547	0.20	2,509			
654.0	12,780				41,125	1,523	0.944
		13,032	0.20	2,606			
654.2	13,284				43,731	1,620	1.004
		13,536	0.20	2,707			
654.4	13,788				46,439	1,720	1.066
		14,040	0.20	2,808			
654.6	14,292				49,247	1,824	1.131
		14,544	0.20	2,909			
654.8	14,796				52,155	1,932	1.197
		15,048	0.20	3,010			
655.0	15,300				55,165	2,043	1.266

SEDIMENT BASIN #1

STAGE STORAGE DATA

PROJECT NAME:	Station 165		
PROJECT NUMBER:	341-132		
LOCATION:	Pittsylvania County, VA		
PREPARED BY:	JMP	DATE:	4/11/2025
CHECKED BY:	BJH	DATE:	4/17/2025

Contributing Drainage Area:	13.80	ac.			
Sediment Storage Volume Required:	24,959	CF (total area * 67 cy/acre)	924	CY	
Sediment Cleanout Storage (Wet Reduced)	12666	CF (total area * 34 cy/acre)	469	CY	
Volume Required:	24,959	CF (total area * 67 cy/acre)	924	CY	
Total Volume Required:	49,918	CF	1849	CY	

Bottom Elevation of Basin:	640.0		Wet Storage Elevation:	641.7	
Top Elevation of Basin:	649.0		Sediment Cleanout Elevation	640.8	
			Temporary Riser Crest Elevation:	643.4	
			TRCE Volume:	52,361	c.f.

Water Surface Elevation (FT)	Area (SF)	Average Area (SF)	Difference in Elevation (FT)	Storage Volume			
				Incremental (CF)	(CF)	(CY)	(ACRE-FT)
640.0	11,670				0	0	0.000
		11,826	0.20	2,365			
640.2	11,982				2,365	88	0.054
		12,138	0.20	2,428			
640.4	12,294				4,793	178	0.110
		12,450	0.20	2,490			
640.6	12,606				7,283	270	0.167
		12,762	0.20	2,552			
640.8	12,918				9,835	364	0.226
		13,074	0.20	2,615			
641.0	13,230				12,450	461	0.286
		13,538	0.20	2,708			
641.2	13,845				15,158	561	0.348
		14,153	0.20	2,831			
641.4	14,460				17,988	666	0.413
		14,768	0.20	2,954			
641.6	15,075				20,942	776	0.481
		15,383	0.20	3,077			
641.8	15,690				24,018	890	0.551
		15,998	0.20	3,200			
642.0	16,305				27,218	1,008	0.625
		16,541	0.20	3,308			
642.2	16,776				30,526	1,131	0.701
		17,012	0.20	3,402			
642.4	17,247				33,928	1,257	0.779
		17,483	0.20	3,497			
642.6	17,718				37,424	1,386	0.859
		17,954	0.20	3,591			
642.8	18,189				41,015	1,519	0.942
		18,425	0.20	3,685			
643.0	18,660				44,700	1,656	1.026
		18,907	0.20	3,781			
643.2	19,153				48,481	1,796	1.113
		19,400	0.20	3,880			
643.4	19,646				52,361	1,939	1.202
		19,893	0.20	3,979			

643.6	20,139				56,340	2,087	1.293
		20,386	0.20	4,077			
643.8	20,632				60,417	2,238	1.387
		20,879	0.20	4,176			
644.0	21,125				64,593	2,392	1.483
		21,381	0.20	4,276			
644.2	21,638				68,869	2,551	1.581
		21,894	0.20	4,379			
644.4	22,150				73,248	2,713	1.682
		22,407	0.20	4,481			
644.6	22,663				77,729	2,879	1.784
		22,919	0.20	4,584			
644.8	23,175				82,313	3,049	1.890
		23,432	0.20	4,686			
645.0	23,688				86,999	3,222	1.997
		24,237	0.20	4,847			
645.2	24,786				91,846	3,402	2.109
		25,336	0.20	5,067			
645.4	25,885				96,914	3,589	2.225
		26,434	0.20	5,287			
645.6	26,983				102,200	3,785	2.346
		27,532	0.20	5,506			
645.8	28,082				107,707	3,989	2.473
		28,631	0.20	5,726			
646.0	29,180				113,433	4,201	2.604
		29,503	0.20	5,901			
646.2	29,826				119,334	4,420	2.740
		30,149	0.20	6,030			
646.4	30,472				125,363	4,643	2.878
		30,795	0.20	6,159			
646.6	31,118				131,522	4,871	3.019
		31,441	0.20	6,288			
646.8	31,764				137,811	5,104	3.164
		32,087	0.20	6,417			
647.0	32,410				144,228	5,342	3.311
		32,744	0.20	6,549			
647.2	33,077				150,777	5,584	3.461
		33,411	0.20	6,682			
647.4	33,744				157,459	5,832	3.615
		34,078	0.20	6,816			
647.6	34,411				164,274	6,084	3.771
		34,745	0.20	6,949			
647.8	35,078				171,223	6,342	3.931
		35,412	0.20	7,082			
648.0	35,745				178,306	6,604	4.093
		35,592	0.20	7,118			
648.2	35,439				185,424	6,868	4.257
		35,286	0.20	7,057			
648.4	35,133				192,481	7,129	4.419
		34,980	0.20	6,996			
648.6	34,827				199,477	7,388	4.579
		34,674	0.20	6,935			
648.8	34,521				206,412	7,645	4.739

SEDIMENT BASIN #2

STAGE STORAGE DATA

PROJECT NAME:	Station 165		
PROJECT NUMBER:	341-132		
LOCATION:	Pittsylvania County, VA		
PREPARED BY:	JMP	DATE:	4/11/2025
CHECKED BY:	BJH	DATE:	4/17/2025

Contributing Drainage Area:	4.25	ac.		
Sediment Storage Volume Required:	7,694	CF (total area * 67 cy/acre)	285	CY
Sediment Cleanout Storage (Wet Reduced)	3904	CF (total area * 34 cy/acre)	145	CY
Volume Required:	7,694	CF (total area * 67 cy/acre)	285	CY
Total Volume Required:	15,387	CF	570	CY

Bottom Elevation of Basin: 619.0
Top Elevation of Basin: 626.0

Wet Storage Elevation: 620.3
Sediment Cleanout Elevation: 619.6
Temporary Riser Crest Elevation: 621.4
TRCE Volume: 15,970 c.f.

Water Surface Elevation (FT)	Area (SF)	Average Area (SF)	Difference in Elevation (FT)	Storage Volume			
				Incremental (CF)	(CF)	Total (CY)	(ACRE-FT)
619.0	4,930				0	0	0.000
		5,071	0.20	1,014	1,014	38	0.023
619.2	5,212	5,353	0.20	1,071	2,085	77	0.048
619.4	5,494	5,635	0.20	1,127	3,212	119	0.074
619.6	5,776	5,917	0.20	1,183	4,395	163	0.101
619.8	6,058	6,199	0.20	1,240	5,635	209	0.129
620.0	6,340	6,490	0.20	1,298	6,933	257	0.159
620.2	6,640	6,790	0.20	1,358	8,291	307	0.190
620.4	6,940	7,090	0.20	1,418	9,709	360	0.223
620.6	7,240	7,390	0.20	1,478	11,187	414	0.257
620.8	7,540	7,690	0.20	1,538	12,725	471	0.292
621.0	7,840	7,976	0.20	1,595	14,320	530	0.329
621.2	8,112	8,248	0.20	1,650	15,970	591	0.367
621.4	8,384	8,520	0.20	1,704	17,674	655	0.406
621.6	8,656	8,792	0.20	1,758	19,432	720	0.446
621.8	8,928	9,064	0.20	1,813	21,245	787	0.488
622.0	9,200	9,318	0.20	1,864	23,109	856	0.530
622.2	9,435	9,553	0.20	1,911	25,019	927	0.574
622.4	9,670	9,788	0.20	1,958	26,977	999	0.619
622.6	9,905	10,023	0.20	2,005	28,981	1,073	0.665
622.8	10,140	10,258	0.20	2,052	31,033	1,149	0.712
623.0	10,375	10,498	0.20	2,100	33,132	1,227	0.761
623.2	10,620	10,743	0.20	2,149	35,281	1,307	0.810
623.4	10,865	10,988	0.20	2,198	37,478	1,388	0.860
623.6	11,110	11,233	0.20	2,247	39,725	1,471	0.912
623.8	11,355	11,478	0.20	2,296			

SEDIMENT BASIN #3

STAGE STORAGE DATA

PROJECT NAME:	Station 165	
PROJECT NUMBER:	341-132	
LOCATION:	Pittsylvania County, VA	
PREPARED BY:	JMP	DATE: 4/11/2025
CHECKED BY:	BJH	DATE: 4/17/2025

Contributing Drainage Area:	3.34	ac.		
Sediment Storage Volume Required:	6,042	CF	(total area * 67 cy/acre)	224 CY
Sediment Cleanout Storage (Wet Reduced)	3066	CF	(total area * 34 cy/acre)	114 CY
Volume Required:	6,042	CF	(total area * 67 cy/acre)	224 CY
Total Volume Required:	12,084	CF		447.56 CY

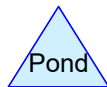
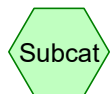
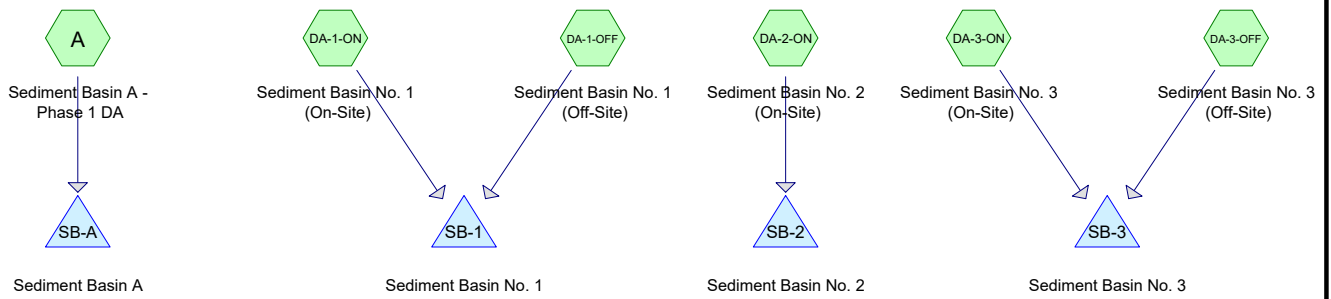
Bottom Elevation of Basin: 645.5
Top Elevation of Basin: 651.0

Wet Storage Elevation: 646.3
Sediment Cleanout Elevation: 645.8
Temporary Riser Crest Elevation: 647.2
TRCE Volume: 12,146 c.f.

Water Surface Elevation (FT)	Area (SF)	Average Area (SF)	Difference in Elevation (FT)	Storage Volume			
				Incremental (CF)	(CF)	Total (CY)	(ACRE-FT)
645.0	0				0	0	0.000
		660	0.20	132			
645.2	1,319				132	5	0.003
		1,979	0.20	396			
645.4	2,638				528	20	0.012
		3,298	0.20	660			
645.6	3,957				1,187	44	0.027
		4,617	0.20	923			
645.8	5,276				2,110	78	0.048
		5,936	0.20	1,187			
646.0	6,595				3,298	122	0.076
		6,725	0.20	1,345			
646.2	6,854				4,642	172	0.107
		6,984	0.20	1,397			
646.4	7,113				6,039	224	0.139
		7,243	0.20	1,449			
646.6	7,372				7,488	277	0.172
		7,502	0.20	1,500			
646.8	7,631				8,988	333	0.206
		7,761	0.20	1,552			
647.0	7,890				10,540	390	0.242
		8,029	0.20	1,606			
647.2	8,167				12,146	450	0.279
		8,306	0.20	1,661			
647.4	8,444				13,807	511	0.317
		8,583	0.20	1,717			
647.6	8,721				15,523	575	0.356
		8,860	0.20	1,772			
647.8	8,998				17,295	641	0.397
		9,137	0.20	1,827			
648.0	9,275				19,123	708	0.439
		9,413	0.20	1,883			
648.2	9,550				21,005	778	0.482
		9,688	0.20	1,938			
648.4	9,825				22,943	850	0.527
		9,963	0.20	1,993			
648.6	10,100				24,935	924	0.572
		10,238	0.20	2,048			
648.8	10,375				26,983	999	0.619
		10,513	0.20	2,103			
649.0	10,650				29,085	1,077	0.668
		10,781	0.20	2,156			
649.2	10,912				31,241	1,157	0.717
		11,043	0.20	2,209			
649.4	11,174				33,450	1,239	0.768
		11,305	0.20	2,261			

649.6	11,436				35,711	1,323	0.820
		11,567	0.20	2,313			
649.8	11,698				38,024	1,408	0.873
		11,829	0.20	2,366			
650.0	11,960				40,390	1,496	0.927
		13,779	0.20	2,756			
650.2	15,598				43,146	1,598	0.990
		17,417	0.20	3,483			
650.4	19,236				46,629	1,727	1.070
		21,055	0.20	4,211			
650.6	22,874				50,840	1,883	1.167
		24,693	0.20	4,939			
650.8	26,512				55,779	2,066	1.281
		28,331	0.20	5,666			
651.0	30,150				61,445	2,276	1.411
		30,405	0.20	6,081			
651.2	30,660				67,526	2,501	1.550
		30,915	0.20	6,183			
651.4	31,170				73,709	2,730	1.692
		31,425	0.20	6,285			

624.0	11,600				42,020	1,556	0.965
		11,729	0.20	2,346			
624.2	11,858				44,366	1,643	1.018
		11,987	0.20	2,397			
624.4	12,116				46,763	1,732	1.074
		12,245	0.20	2,449			
624.6	12,374				49,212	1,823	1.130
		12,503	0.20	2,501			
624.8	12,632				51,713	1,915	1.187
		12,761	0.20	2,552			
625.0	12,890				54,265	2,010	1.246
		12,824	0.20	2,565			
625.2	12,757				56,830	2,105	1.305
		12,691	0.20	2,538			
625.4	12,624				59,368	2,199	1.363
		12,557	0.20	2,512			
625.6	12,491				61,879	2,292	1.421
		12,424	0.20	2,485			
625.8	12,358				64,364	2,384	1.478
		12,291	0.20	2,458			
626.0	12,225				66,823	2,475	1.534



Routing Diagram for 341-132-CV01_Sediment Basins

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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment A: Sediment Basin A - Phase 1 DA

Runoff = 23.37 cfs @ 12.04 hrs, Volume= 1.373 af, Depth= 2.15"
 Routed to Pond SB-A : Sediment Basin A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
0.090	55	Woods, Good, HSG B
3.250	86	Newly graded area, HSG B
3.290	91	Newly graded area, HSG C
0.430	85	Gravel roads, HSG B
0.400	89	Gravel roads, HSG C
0.200	98	Paved parking, HSG B
7.660	88	Weighted Average
7.460		97.39% Pervious Area
0.200		2.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0	50	0.0100	0.28		Sheet Flow, Fallow n= 0.050 P2= 3.37"
3.8	227	0.0100	1.00		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
0.1	14	0.1000	3.16		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
2.1	237	0.0100	1.87	18.24	Trap/Vee/Rect Channel Flow, Permanent Channel No. 1A Bot.W=2.00' D=1.50' Z= 2.0 & 4.0 '/' Top.W=11.00' n= 0.071
0.6	68	0.0300	1.79	8.52	Trap/Vee/Rect Channel Flow, Temporary Channel No. 2 Bot.W=2.00' D=0.50' Z= 2.0 & 28.0 '/' Top.W=17.00' n= 0.061
1.3	115	0.0100	1.45	4.85	Trap/Vee/Rect Channel Flow, Existing Ditch Bot.W=10.00' D=0.25' Z= 12.0 & 15.0 '/' Top.W=16.75' n= 0.035
0.1	55	0.0300	9.88	12.12	Pipe Channel, Culvert No. 2 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
1.0	382	0.0200	6.38	76.61	Trap/Vee/Rect Channel Flow, Temporary Channel No. 1 Bot.W=2.00' D=2.00' Z= 2.0 '/' Top.W=10.00' n= 0.035
12.0	1,148	Total			

341-132-CV01_Sediment Basins

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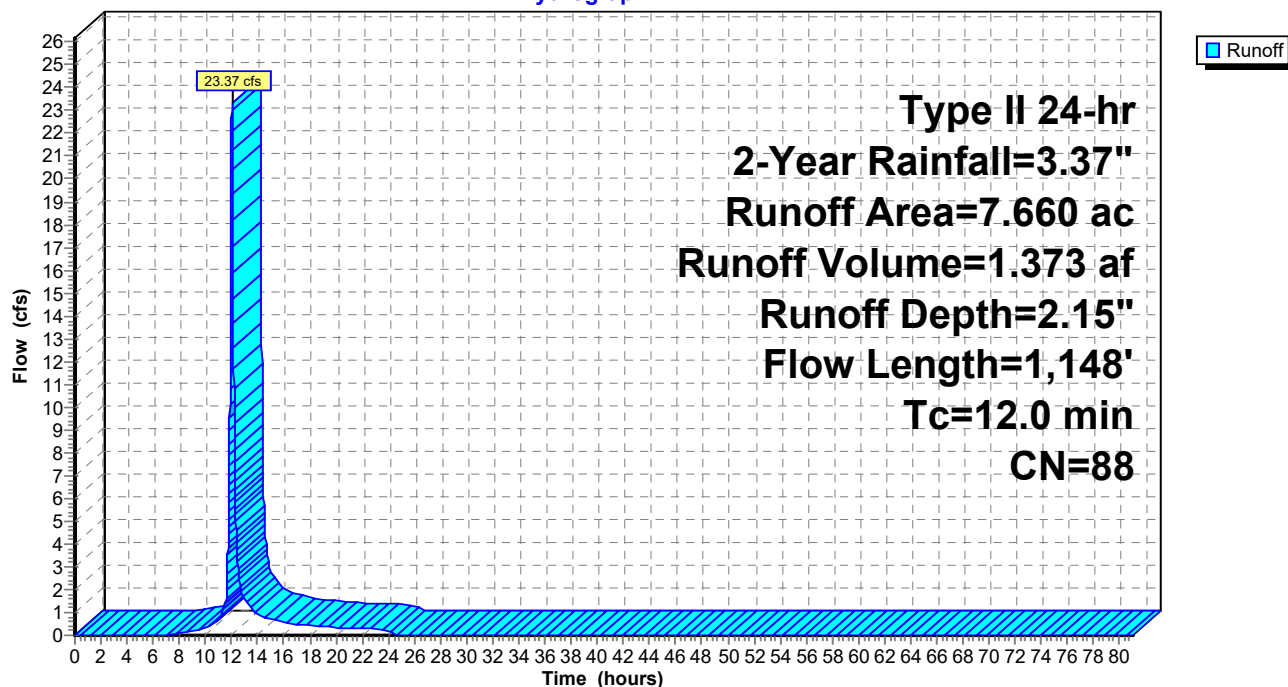
Type II 24-hr 2-Year Rainfall=3.37"

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Subcatchment A: Sediment Basin A - Phase 1 DA

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)

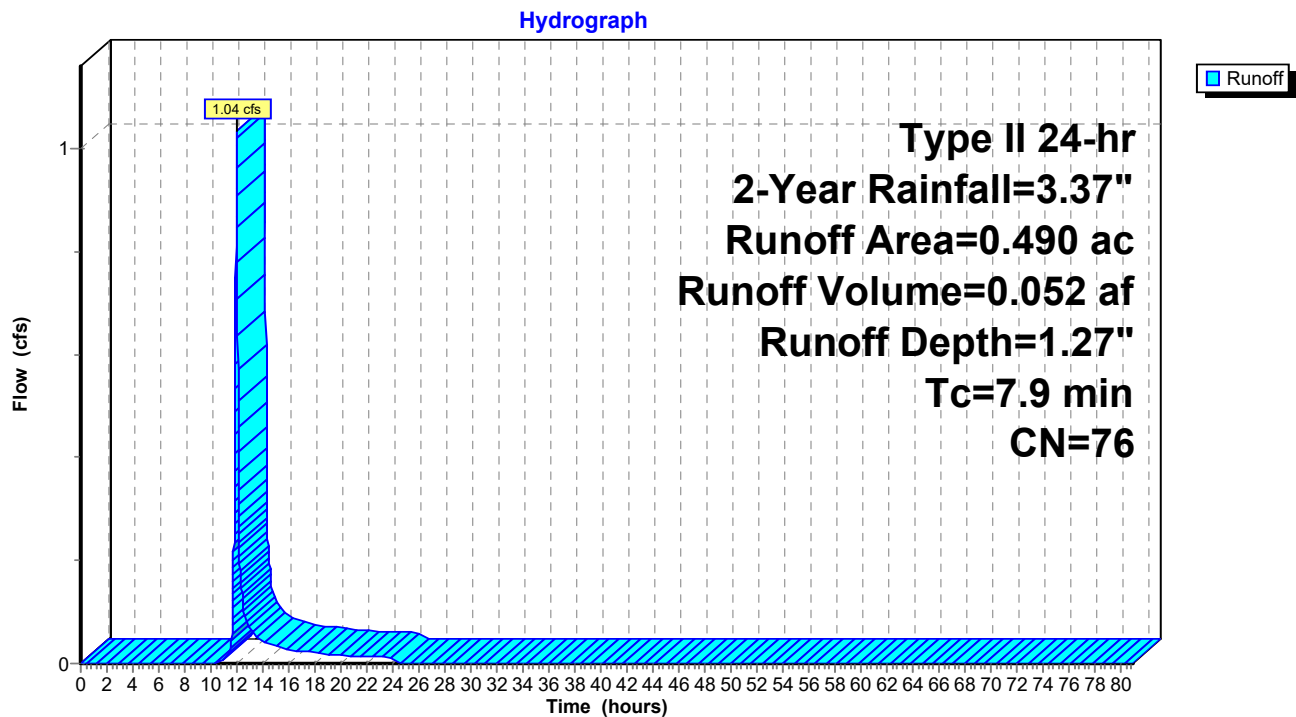
Runoff = 1.04 cfs @ 12.00 hrs, Volume= 0.052 af, Depth= 1.27"
Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
0.019	55	Woods, Good, HSG B
0.066	77	Woods, Good, HSG D
0.198	58	Meadow, non-grazed, HSG B
0.041	78	Meadow, non-grazed, HSG D
0.166	98	Paved parking, HSG B
0.490	76	Weighted Average
0.324		66.12% Pervious Area
0.166		33.88% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.9					Direct Entry, Assumed Equal to Detained On-Site TC

Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)



341-132-CV01_Sediment Basins

Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Runoff = 55.62 cfs @ 11.99 hrs, Volume= 3.004 af, Depth= 2.71"
 Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
1.116	86	Newly graded area, HSG B
1.362	91	Newly graded area, HSG C
0.020	94	Newly graded area, HSG D
2.398	86	Newly graded area, HSG B
0.775	91	Newly graded area, HSG C
0.092	91	Newly graded area, HSG C
* 3.439	98	Gravel roads, HSG B
* 4.026	98	Gravel roads, HSG C
0.079	98	Paved parking, HSG B
13.307	94	Weighted Average
5.763		43.31% Pervious Area
7.544		56.69% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2	50	0.0050	0.71		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
3.9	380	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.6	153	0.0050	4.55	8.05	Pipe Channel, PD-2 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.5	127	0.0050	4.55	8.05	Pipe Channel, PD-3 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.7	192	0.0050	4.55	8.05	Pipe Channel, PD-4 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.6	192	0.0050	5.52	17.33	Pipe Channel, PD-5 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.4	148	0.0050	5.52	17.33	Pipe Channel, PD-6 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.2710	47.12	231.32	Pipe Channel, PD-13 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.0250	14.31	70.26	Pipe Channel, PD-13A 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
7.9	1,322	Total			

341-132-CV01_Sediment Basins

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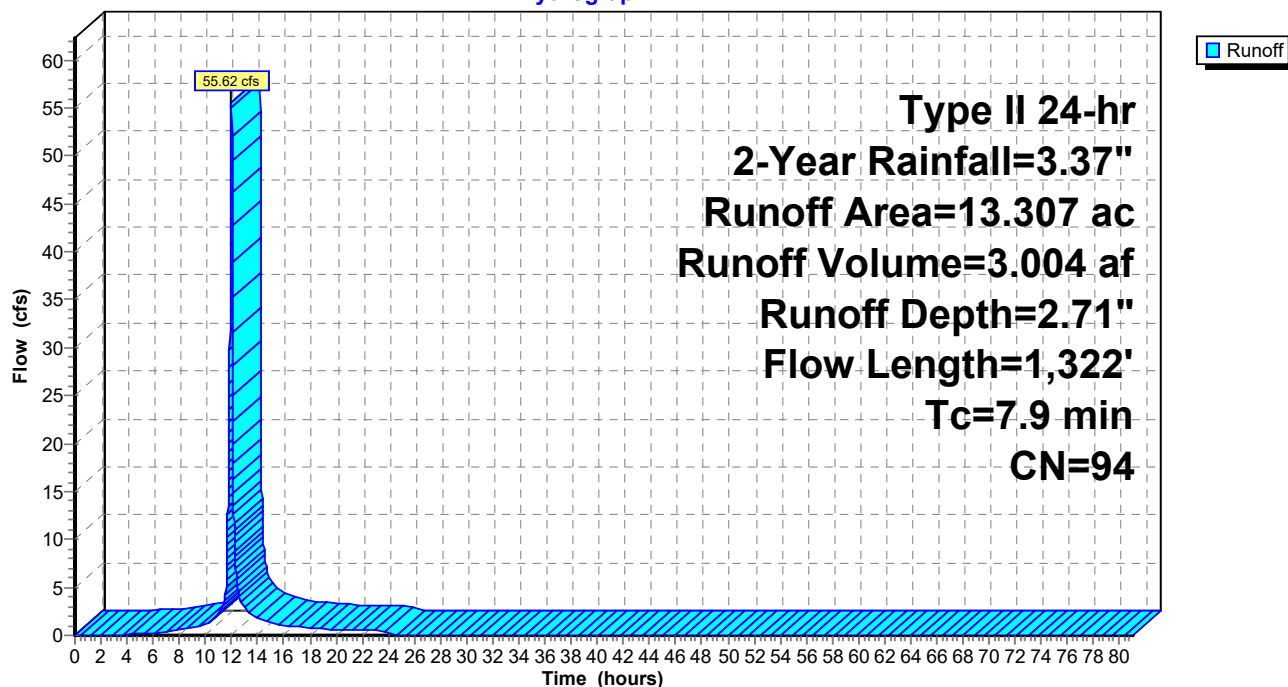
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Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Runoff = 19.34 cfs @ 11.97 hrs, Volume= 0.996 af, Depth= 2.81"
 Routed to Pond SB-2 : Sediment Basin No. 2

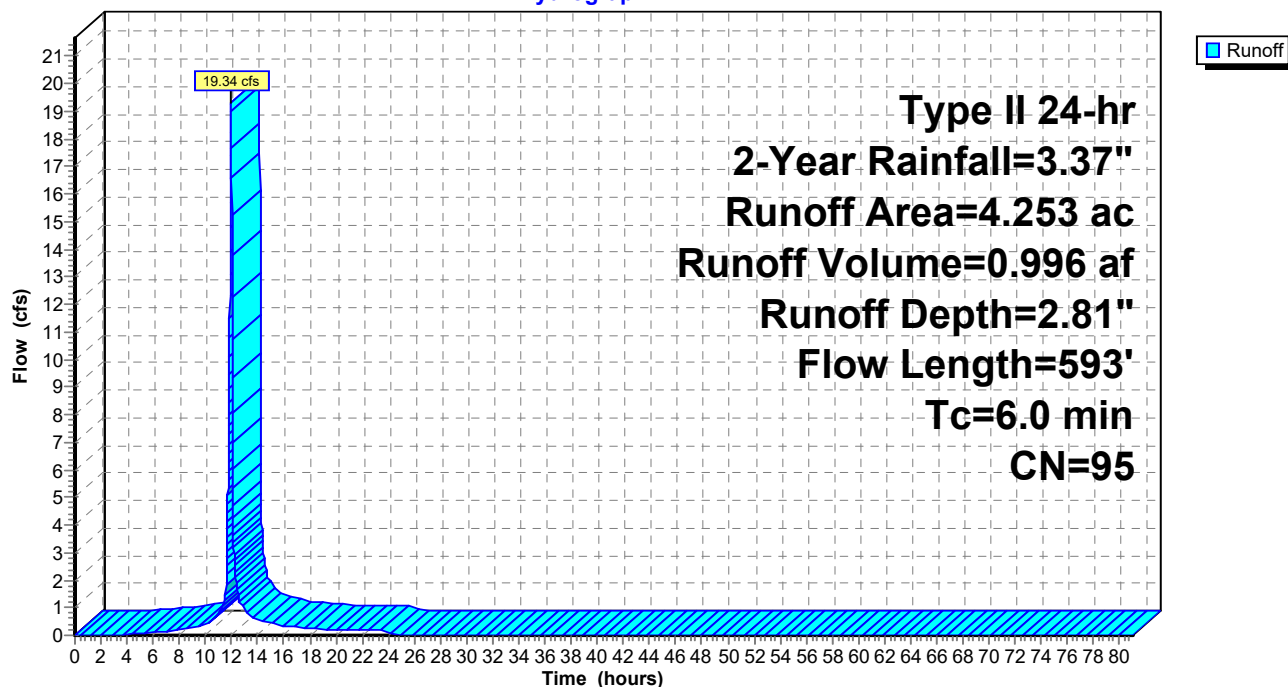
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
0.118	86	Newly graded area, HSG B
0.799	86	Newly graded area, HSG B
0.231	91	Newly graded area, HSG C
* 1.777	98	Gravel roads, HSG B
* 1.328	98	Gravel roads, HSG C
4.253	95	Weighted Average
1.148		26.99% Pervious Area
3.105		73.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	50	0.0100	0.93		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
2.7	263	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.5	110	0.0050	4.03	4.95	Pipe Channel, PD-20 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
0.3	100	0.0100	6.44	11.38	Pipe Channel, PD-22 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	70	0.0500	14.40	25.45	Pipe Channel, PD-23 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
4.5	593	Total, Increased to minimum Tc = 6.0 min			

Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Runoff = 0.24 cfs @ 12.03 hrs, Volume= 0.013 af, Depth= 1.53"
Routed to Pond SB-3 : Sediment Basin No. 3

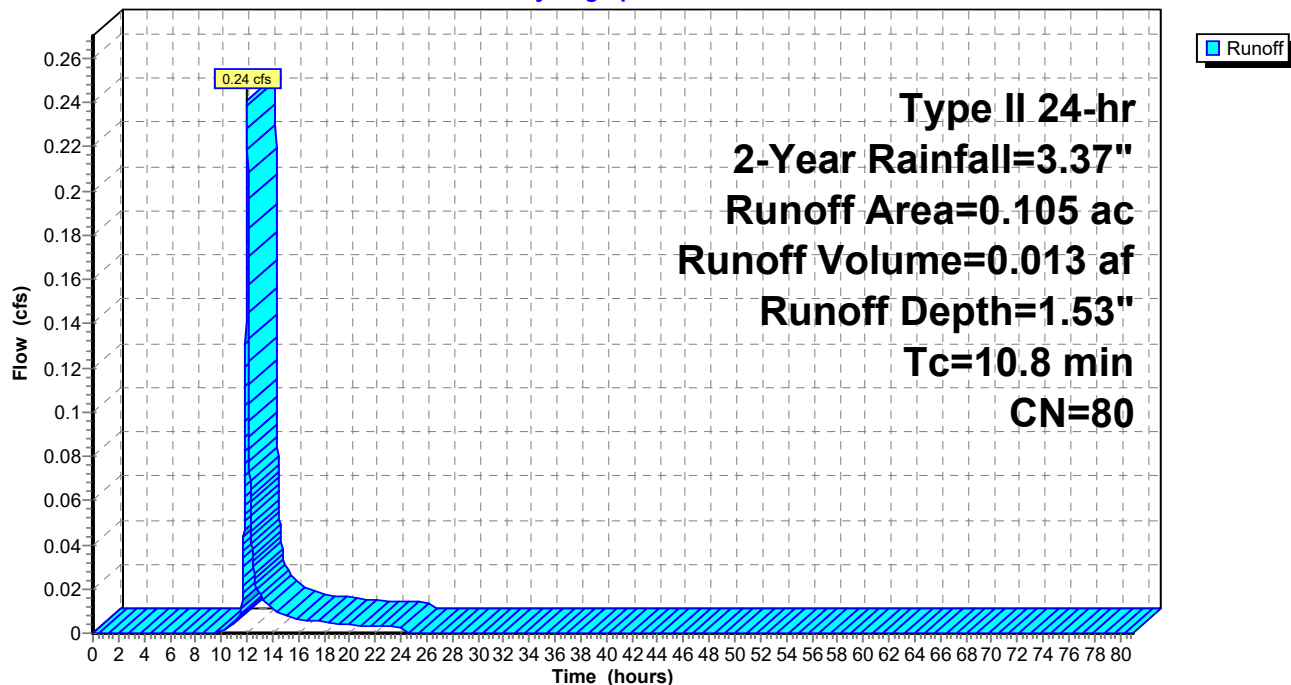
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
0.047	58	Meadow, non-grazed, HSG B
0.058	98	Paved parking, HSG B
0.105	80	Weighted Average
0.047		44.76% Pervious Area
0.058		55.24% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8					Direct Entry, Assumed Post-Development On-Site TC

Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Runoff = 12.59 cfs @ 12.02 hrs, Volume= 0.758 af, Depth= 2.81"
 Routed to Pond SB-3 : Sediment Basin No. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 2-Year Rainfall=3.37"

Area (ac)	CN	Description
0.585	86	Newly graded area, HSG B
0.382	91	Newly graded area, HSG C
0.017	86	Newly graded area, HSG B
* 0.917	98	Gravel roads, HSG B
* 1.308	98	Gravel roads, HSG C
0.026	98	Paved parking, HSG B
3.235	95	Weighted Average
0.984		30.42% Pervious Area
2.251		69.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0	50	0.0200	0.10		Sheet Flow, Grass: Dense n= 0.240 P2= 3.37"
0.4	30	0.0300	1.21		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.0	272	0.0200	2.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.3	90	0.0050	4.55	8.05	Pipe Channel, PD-15 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	20	0.0050	5.52	17.33	Pipe Channel, PD-18 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
10.8	462	Total			

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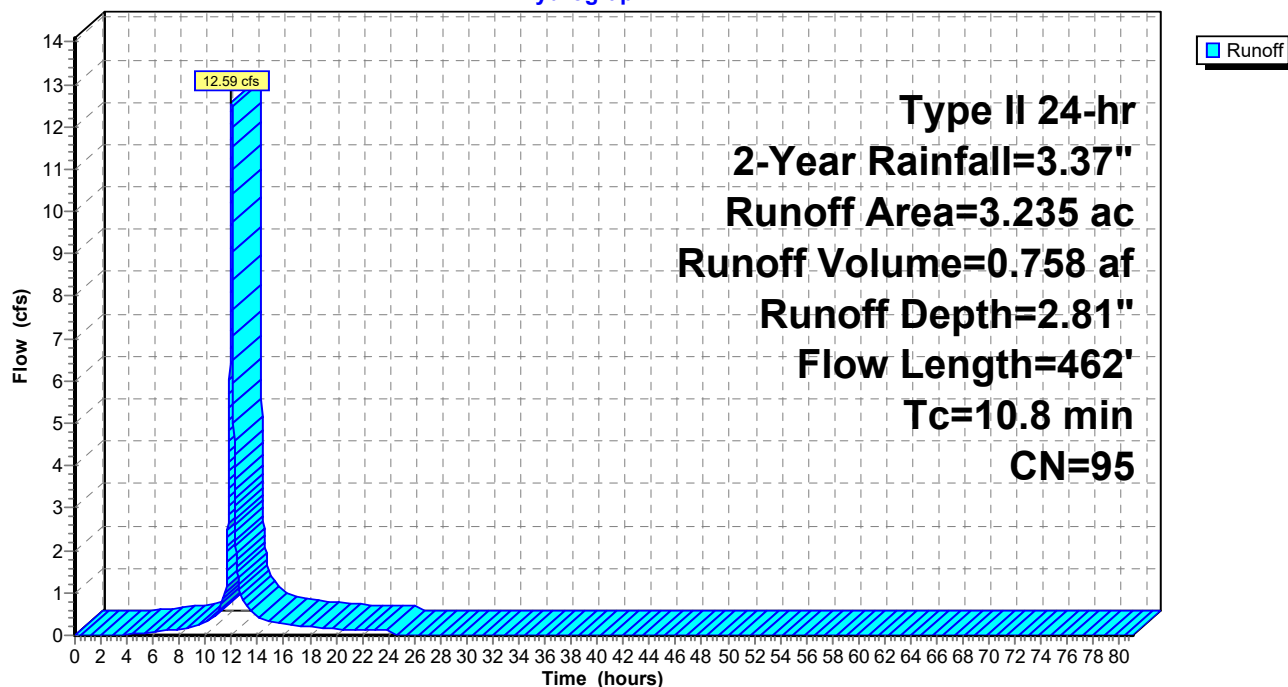
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Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Hydrograph



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Summary for Pond SB-1: Sediment Basin No. 1

Inflow Area = 13.797 ac, 55.88% Impervious, Inflow Depth = 2.66" for 2-Year event
 Inflow = 56.64 cfs @ 11.99 hrs, Volume= 3.056 af
 Outflow = 8.86 cfs @ 12.24 hrs, Volume= 2.477 af, Atten= 84%, Lag= 15.0 min
 Primary = 8.86 cfs @ 12.24 hrs, Volume= 2.477 af
 Routed to nonexistent node 14
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 14

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 644.39' @ 12.24 hrs Surf.Area= 22,113 sf Storage= 75,429 cf

Plug-Flow detention time= 331.3 min calculated for 2.477 af (81% of inflow)
 Center-of-Mass det. time= 253.3 min (1,038.4 - 785.0)

Volume	Invert	Avail.Storage	Storage Description
#1	642.00'	7,668 cf	Western Forebay (Irregular) Listed below (Recalc)
#2	646.00'	11,699 cf	Eastern Forebay (Irregular) Listed below (Recalc)
#3	639.20'	195,291 cf	Open Pond (Irregular) Listed below (Recalc)
		214,658 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
642.00	1,475	230.0	0	0	1,475
643.00	2,170	250.0	1,811	1,811	2,276
644.00	2,925	270.0	2,538	4,349	3,143
645.00	3,728	290.0	3,318	7,668	4,077

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
646.00	2,900	205.0	0	0	2,900
647.00	3,540	220.0	3,215	3,215	3,450
648.00	4,230	240.0	3,880	7,095	4,217
649.00	4,990	260.0	4,605	11,699	5,052

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
639.20	0	10.0	0	0	0
640.00	11,670	510.0	3,112	3,112	20,691
641.00	13,230	530.0	12,442	15,554	22,426
642.00	14,830	550.0	14,022	29,576	24,228
643.00	16,490	570.0	15,653	45,229	26,096
644.00	18,200	590.0	17,338	62,567	28,031
645.00	19,960	605.0	19,073	81,640	29,578
646.00	26,280	850.0	23,048	104,688	57,955
647.00	28,870	870.0	27,565	132,253	60,824
648.00	31,515	890.0	30,183	162,435	63,760
649.00	34,215	910.0	32,856	195,291	66,763

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Device	Routing	Invert	Outlet Devices
#1	Primary	636.70'	18.0" Round Outlet Pipe L= 70.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 636.70' / 636.00' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	641.70'	1.5" Vert. Dewatering Perforations X 20.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	643.40'	36.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	645.00'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	647.40'	147.0 deg x 90.0' long x 1.60' rise Sharp-Crested Vee/Trap Weir Cv= 2.47 (C= 3.09)

Primary OutFlow Max=8.86 cfs @ 12.24 hrs HW=644.39' (Free Discharge)

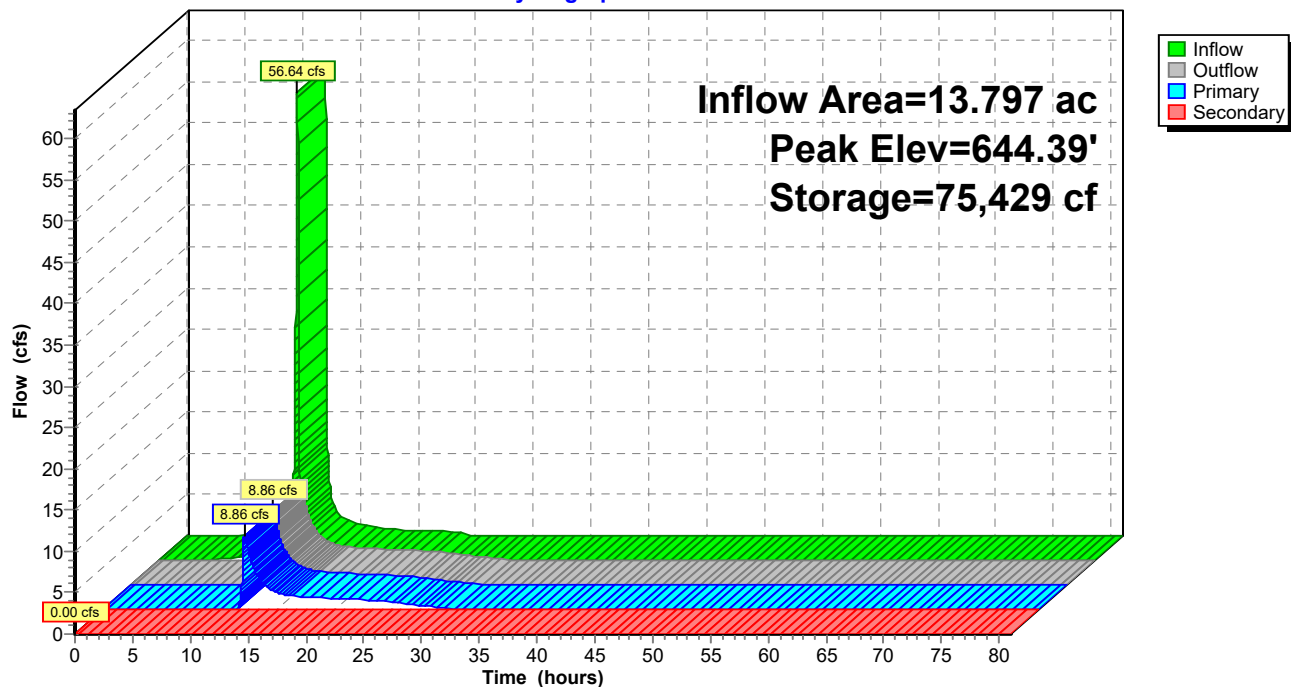
- 1=Outlet Pipe (Passes 8.86 cfs of 22.42 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 1.92 cfs @ 7.81 fps)
- 3=Temporary Riser (Orifice Controls 6.94 cfs @ 3.39 fps)
- 4=Outlet Control Structure Inlet (CLOSED)(Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=639.20' (Free Discharge)

- 5=Sharp-Crested Vee/Trap Weir(Controls 0.00 cfs)

Pond SB-1: Sediment Basin No. 1

Hydrograph



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Summary for Pond SB-2: Sediment Basin No. 2

Inflow Area = 4.253 ac, 73.01% Impervious, Inflow Depth = 2.81" for 2-Year event
 Inflow = 19.34 cfs @ 11.97 hrs, Volume= 0.996 af
 Outflow = 1.02 cfs @ 12.86 hrs, Volume= 0.811 af, Atten= 95%, Lag= 53.8 min
 Primary = 1.02 cfs @ 12.86 hrs, Volume= 0.811 af
 Routed to nonexistent node 19
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 19

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 622.73' @ 12.86 hrs Surf.Area= 12,479 sf Storage= 27,552 cf

Plug-Flow detention time= 381.6 min calculated for 0.811 af (81% of inflow)
 Center-of-Mass det. time= 304.9 min (1,080.9 - 776.0)

Volume	Invert	Avail.Storage	Storage Description
#1	619.00'	3,500 cf	Forebay (Prismatic) Listed below (Recalc)
#2	618.75'	63,589 cf	Open Pond (Prismatic) Listed below (Recalc)
		67,089 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
619.00	1,100	0	0
620.00	1,740	1,420	1,420
621.00	2,420	2,080	3,500

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
618.75	0	0	0
619.00	3,830	479	479
620.00	4,600	4,215	4,694
621.00	5,420	5,010	9,704
622.00	9,200	7,310	17,014
623.00	10,375	9,788	26,801
624.00	11,600	10,988	37,789
625.00	12,890	12,245	50,034
626.00	14,220	13,555	63,589

Device	Routing	Invert	Outlet Devices
#1	Primary	617.70'	18.0" Round Outlet Pipe L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 617.70' / 617.43' S= 0.0049 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	620.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	622.60'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	623.25'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	624.50'	147.0 deg x 40.0' long x 1.50' rise Emergency Spillway

341-132-CV01_Sediment Basins

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Type II 24-hr 2-Year Rainfall=3.37"

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$$C_v = 2.47 \text{ (} C = 3.09 \text{)}$$

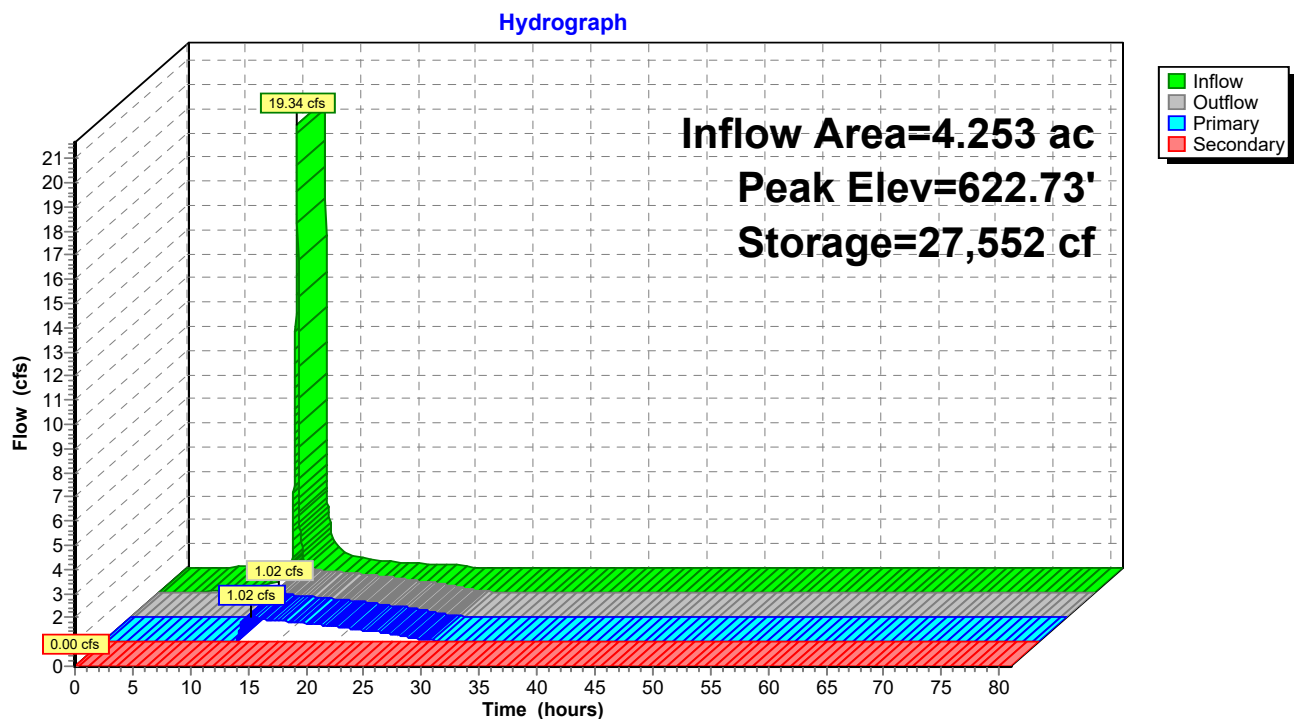
Primary OutFlow Max=1.02 cfs @ 12.86 hrs HW=622.73' (Free Discharge)

- 1=Outlet Pipe (Passes 1.02 cfs of 17.60 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 0.91 cfs @ 7.41 fps)
- 3=Temporary Riser (Orifice Controls 0.11 cfs @ 1.23 fps)
- 4=Outlet Control Structure Inlet (CLOSED) (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=618.75' (Free Discharge)

- 5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-2: Sediment Basin No. 2



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Pond SB-3: Sediment Basin No. 3

Inflow Area = 3.340 ac, 69.13% Impervious, Inflow Depth = 2.77" for 2-Year event
 Inflow = 12.83 cfs @ 12.02 hrs, Volume= 0.771 af
 Outflow = 1.92 cfs @ 12.36 hrs, Volume= 0.628 af, Atten= 85%, Lag= 20.5 min
 Primary = 1.92 cfs @ 12.36 hrs, Volume= 0.628 af
 Routed to nonexistent node 25
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 25

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 647.94' @ 12.36 hrs Surf.Area= 9,194 sf Storage= 19,494 cf

Plug-Flow detention time= 298.5 min calculated for 0.628 af (81% of inflow)
 Center-of-Mass det. time= 221.7 min (1,003.2 - 781.5)

Volume	Invert	Avail.Storage	Storage Description
#1	645.50'	3,760 cf	Forebay (Prismatic) Listed below (Recalc)
#2	645.05'	49,162 cf	Open Pond (Prismatic) Listed below (Recalc)
		52,922 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.50	1,030	0	0
646.00	1,205	559	559
647.00	1,590	1,398	1,956
647.50	1,800	848	2,804
648.00	2,025	956	3,760

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.05	0	0	0
645.50	4,840	1,089	1,089
646.00	5,390	2,558	3,647
647.00	6,300	5,845	9,492
648.00	7,250	6,775	16,267
649.00	10,650	8,950	25,217
650.00	11,960	11,305	36,522
651.00	13,320	12,640	49,162

Device	Routing	Invert	Outlet Devices
#1	Primary	643.95'	15.0" Round Outlet Pipe L= 45.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.95' / 643.50' S= 0.0100 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	646.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	647.50'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	648.50'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads

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Type II 24-hr 2-Year Rainfall=3.37"

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#5	Secondary	649.50'	147.0 deg x 30.0' long x 1.25' rise Emergency Spillway Cv= 2.47 (C= 3.09)
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Primary OutFlow Max=1.91 cfs @ 12.36 hrs HW=647.94' (Free Discharge)

1=Outlet Pipe (Passes 1.91 cfs of 10.84 cfs potential flow)

2=Dewatering Perforations (Orifice Controls 0.74 cfs @ 6.05 fps)

3=Temporary Riser (Orifice Controls 1.17 cfs @ 2.26 fps)

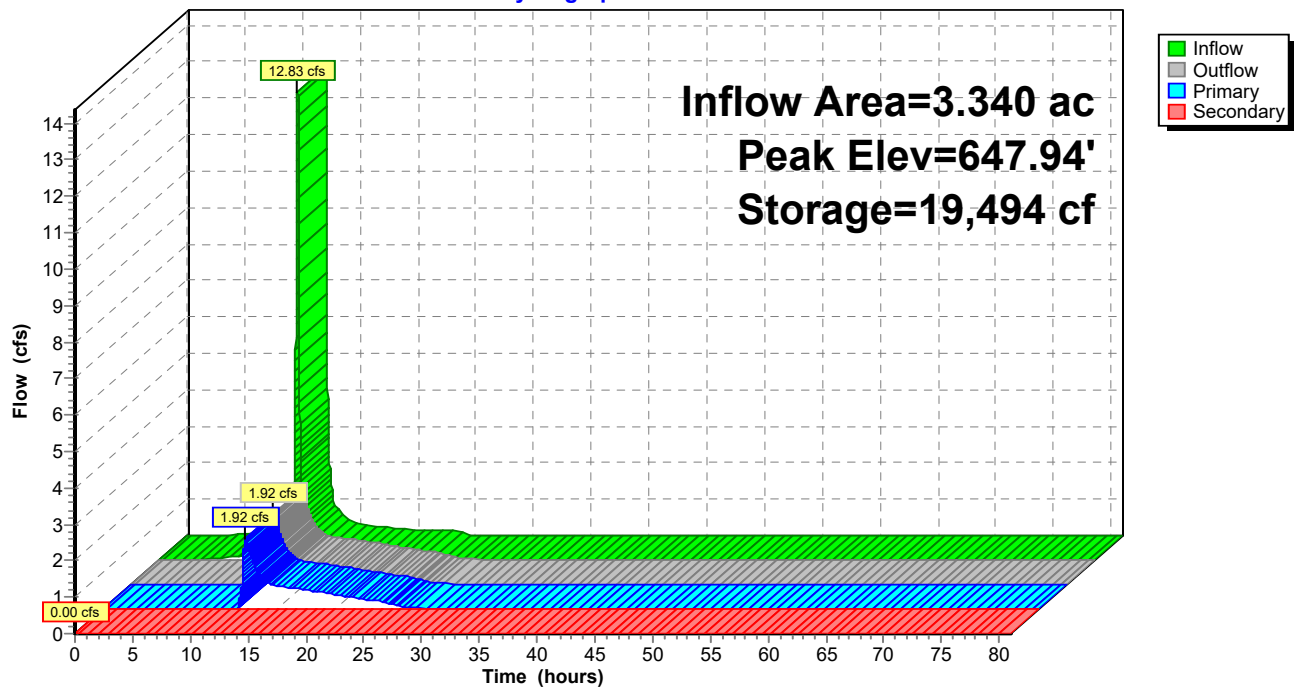
4=Outlet Control Structure Inlet (CLOSED) (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=645.05' (Free Discharge)

5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-3: Sediment Basin No. 3

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.37"

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Summary for Pond SB-A: Sediment Basin A

Inflow Area = 7.660 ac, 2.61% Impervious, Inflow Depth = 2.15" for 2-Year event
 Inflow = 23.37 cfs @ 12.04 hrs, Volume= 1.373 af
 Outflow = 13.39 cfs @ 12.15 hrs, Volume= 1.513 af, Atten= 43%, Lag= 6.9 min
 Primary = 13.39 cfs @ 12.15 hrs, Volume= 1.513 af
 Routed to nonexistent node 51R
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 22L

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Starting Elev= 652.00' Surf.Area= 8,350 sf Storage= 20,340 cf
 Peak Elev= 653.58' @ 12.15 hrs Surf.Area= 11,843 sf Storage= 36,263 cf (15,923 cf above start)

Plug-Flow detention time= 439.0 min calculated for 1.046 af (76% of inflow)
 Center-of-Mass det. time= 163.7 min (979.2 - 815.4)

Volume	Invert	Avail.Storage	Storage Description
#1	648.00'	72,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
648.00	2,290	0	0
650.00	4,850	7,140	7,140
652.00	8,350	13,200	20,340
654.00	12,780	21,130	41,470
656.00	18,210	30,990	72,460

Device	Routing	Invert	Outlet Devices
#1	Primary	647.00'	15.0" Round Culvert L= 80.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 647.00' / 646.20' S= 0.0100 ' S= 0.0100 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	651.20'	1.0" Vert. Dewatering Perforations X 15.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	653.00'	36.0" Horiz. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Secondary	654.50'	127.0 deg x 50.0' long x 1.50' rise Emergency Spillway Cv= 2.48 (C= 3.10)

Primary OutFlow Max=13.87 cfs @ 12.15 hrs HW=653.58' (Free Discharge)

↑ **1=Culvert** (Barrel Controls 13.87 cfs @ 11.30 fps)
 ↑ **2=Dewatering Perforations** (Passes < 0.60 cfs potential flow)
 ↑ **3=Temporary Riser** (Passes < 13.50 cfs potential flow)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=652.00' (Free Discharge)

↑ **4=Emergency Spillway** (Controls 0.00 cfs)

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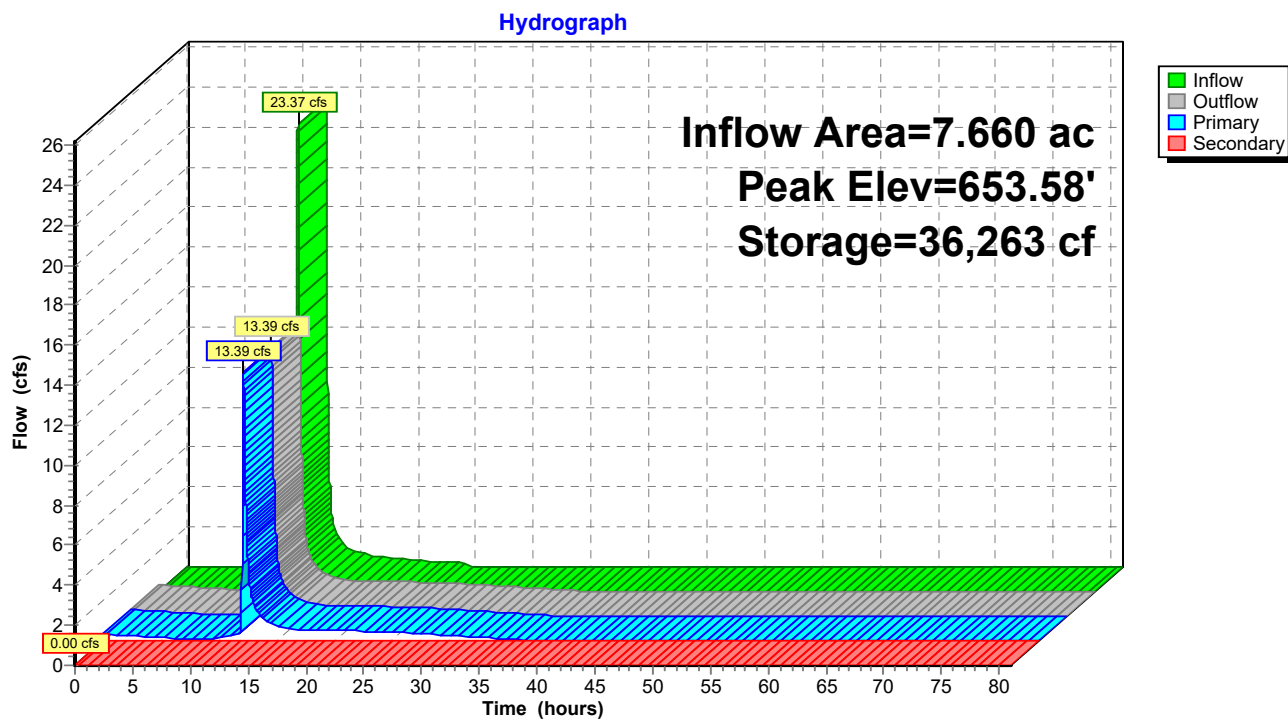
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Type II 24-hr 2-Year Rainfall=3.37"

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Pond SB-A: Sediment Basin A



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Subcatchment A: Sediment Basin A - Phase 1 DA

Runoff = 39.73 cfs @ 12.04 hrs, Volume= 2.391 af, Depth= 3.74"
 Routed to Pond SB-A : Sediment Basin A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
0.090	55	Woods, Good, HSG B
3.250	86	Newly graded area, HSG B
3.290	91	Newly graded area, HSG C
0.430	85	Gravel roads, HSG B
0.400	89	Gravel roads, HSG C
0.200	98	Paved parking, HSG B
7.660	88	Weighted Average
7.460		97.39% Pervious Area
0.200		2.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0	50	0.0100	0.28		Sheet Flow, Fallow n= 0.050 P2= 3.37"
3.8	227	0.0100	1.00		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
0.1	14	0.1000	3.16		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
2.1	237	0.0100	1.87	18.24	Trap/Vee/Rect Channel Flow, Permanent Channel No. 1A Bot.W=2.00' D=1.50' Z= 2.0 & 4.0 '/' Top.W=11.00' n= 0.071
0.6	68	0.0300	1.79	8.52	Trap/Vee/Rect Channel Flow, Temporary Channel No. 2 Bot.W=2.00' D=0.50' Z= 2.0 & 28.0 '/' Top.W=17.00' n= 0.061
1.3	115	0.0100	1.45	4.85	Trap/Vee/Rect Channel Flow, Existing Ditch Bot.W=10.00' D=0.25' Z= 12.0 & 15.0 '/' Top.W=16.75' n= 0.035
0.1	55	0.0300	9.88	12.12	Pipe Channel, Culvert No. 2 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
1.0	382	0.0200	6.38	76.61	Trap/Vee/Rect Channel Flow, Temporary Channel No. 1 Bot.W=2.00' D=2.00' Z= 2.0 '/' Top.W=10.00' n= 0.035
12.0	1,148	Total			

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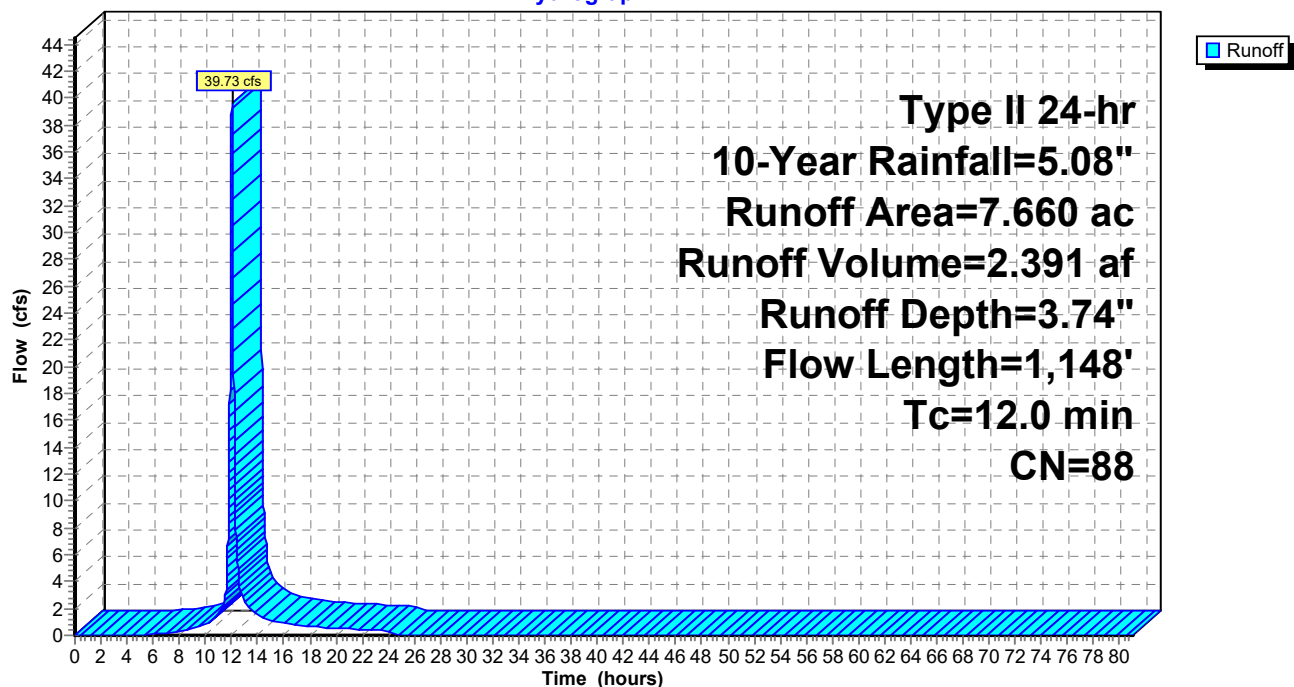
Type II 24-hr 10-Year Rainfall=5.08"

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Subcatchment A: Sediment Basin A - Phase 1 DA

Hydrograph



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Summary for Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)

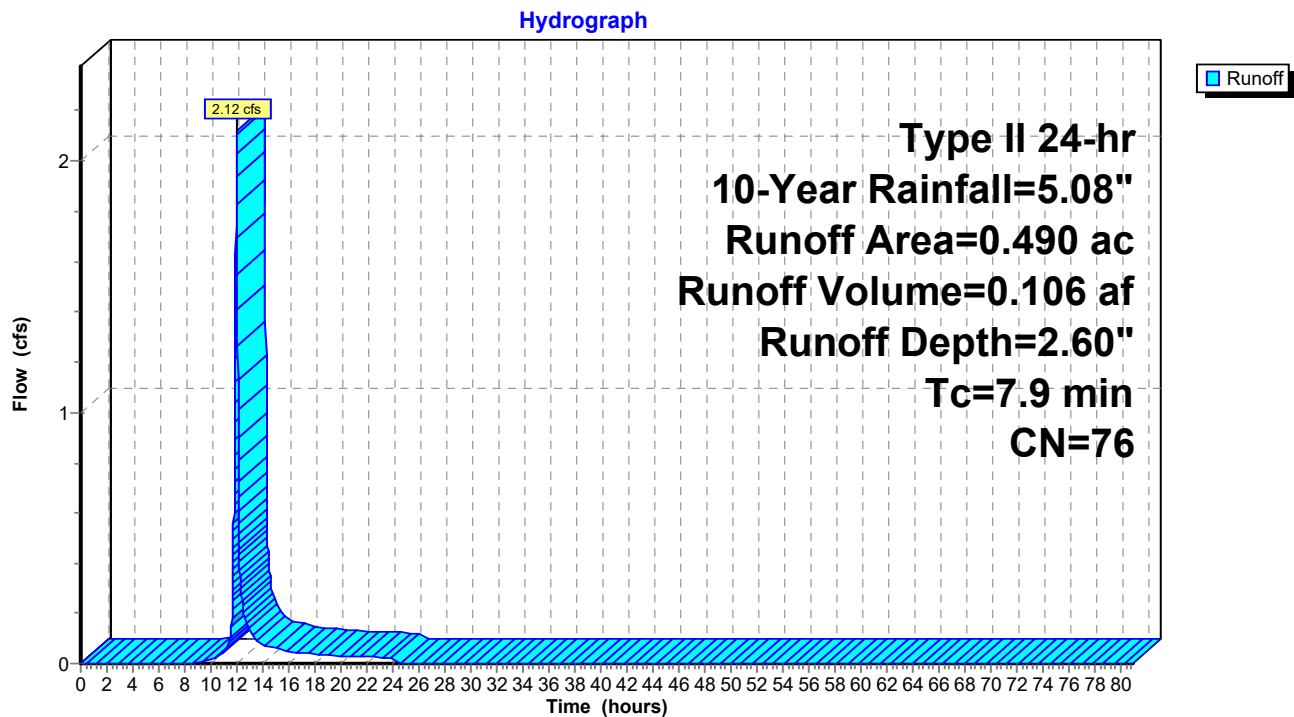
Runoff = 2.12 cfs @ 12.00 hrs, Volume= 0.106 af, Depth= 2.60"
Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
0.019	55	Woods, Good, HSG B
0.066	77	Woods, Good, HSG D
0.198	58	Meadow, non-grazed, HSG B
0.041	78	Meadow, non-grazed, HSG D
0.166	98	Paved parking, HSG B
0.490	76	Weighted Average
0.324		66.12% Pervious Area
0.166		33.88% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.9					Direct Entry, Assumed Equal to Detained On-Site TC

Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Runoff = 87.32 cfs @ 11.99 hrs, Volume= 4.865 af, Depth= 4.39"
 Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
1.116	86	Newly graded area, HSG B
1.362	91	Newly graded area, HSG C
0.020	94	Newly graded area, HSG D
2.398	86	Newly graded area, HSG B
0.775	91	Newly graded area, HSG C
0.092	91	Newly graded area, HSG C
* 3.439	98	Gravel roads, HSG B
* 4.026	98	Gravel roads, HSG C
0.079	98	Paved parking, HSG B
13.307	94	Weighted Average
5.763		43.31% Pervious Area
7.544		56.69% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2	50	0.0050	0.71		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
3.9	380	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.6	153	0.0050	4.55	8.05	Pipe Channel, PD-2 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.5	127	0.0050	4.55	8.05	Pipe Channel, PD-3 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.7	192	0.0050	4.55	8.05	Pipe Channel, PD-4 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.6	192	0.0050	5.52	17.33	Pipe Channel, PD-5 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.4	148	0.0050	5.52	17.33	Pipe Channel, PD-6 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.2710	47.12	231.32	Pipe Channel, PD-13 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.0250	14.31	70.26	Pipe Channel, PD-13A 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
7.9	1,322	Total			

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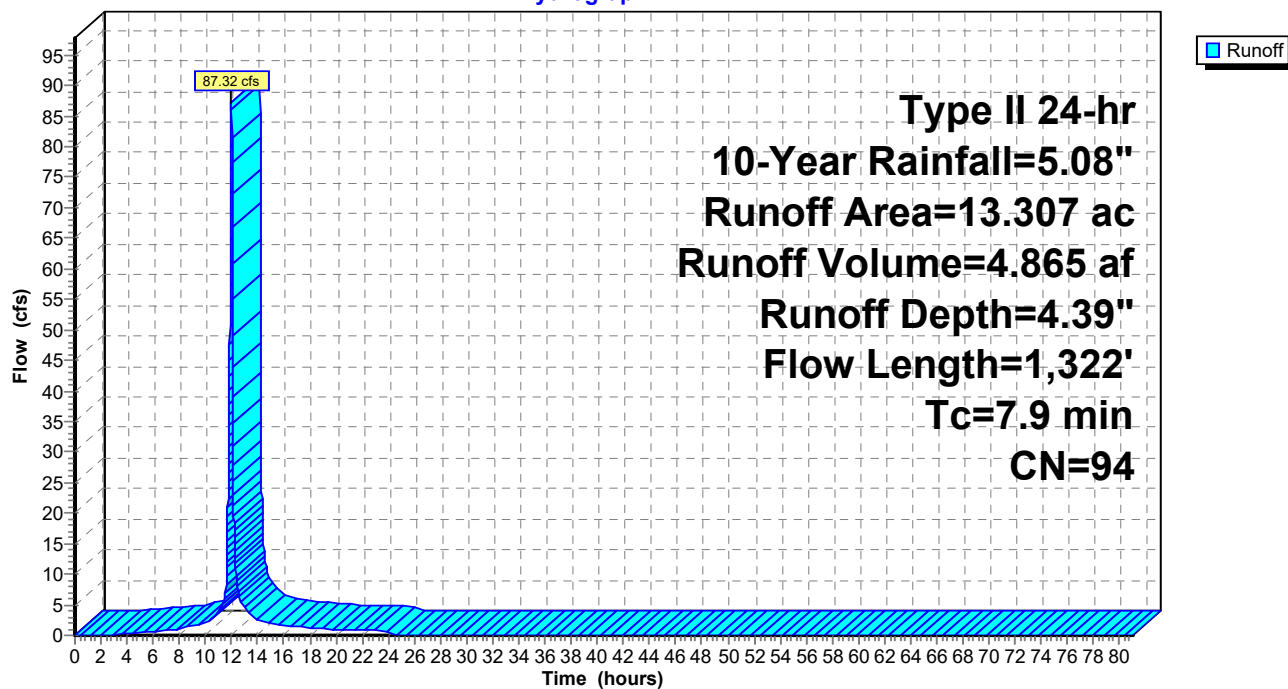
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Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Hydrograph



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Runoff = 30.03 cfs @ 11.97 hrs, Volume= 1.594 af, Depth= 4.50"
 Routed to Pond SB-2 : Sediment Basin No. 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
0.118	86	Newly graded area, HSG B
0.799	86	Newly graded area, HSG B
0.231	91	Newly graded area, HSG C
* 1.777	98	Gravel roads, HSG B
* 1.328	98	Gravel roads, HSG C
4.253	95	Weighted Average
1.148		26.99% Pervious Area
3.105		73.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	50	0.0100	0.93		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
2.7	263	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.5	110	0.0050	4.03	4.95	Pipe Channel, PD-20 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
0.3	100	0.0100	6.44	11.38	Pipe Channel, PD-22 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	70	0.0500	14.40	25.45	Pipe Channel, PD-23 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
4.5	593	Total, Increased to minimum Tc = 6.0 min			

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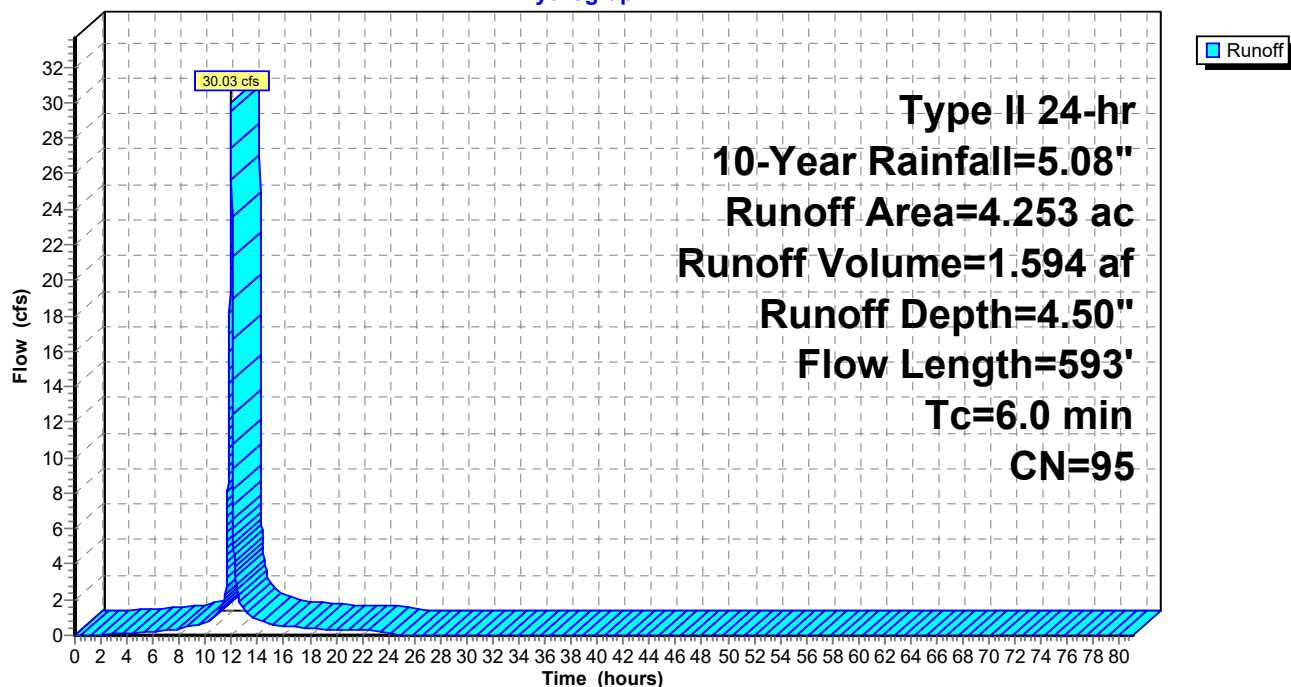
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Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Hydrograph



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Runoff = 0.46 cfs @ 12.02 hrs, Volume= 0.026 af, Depth= 2.96"
Routed to Pond SB-3 : Sediment Basin No. 3

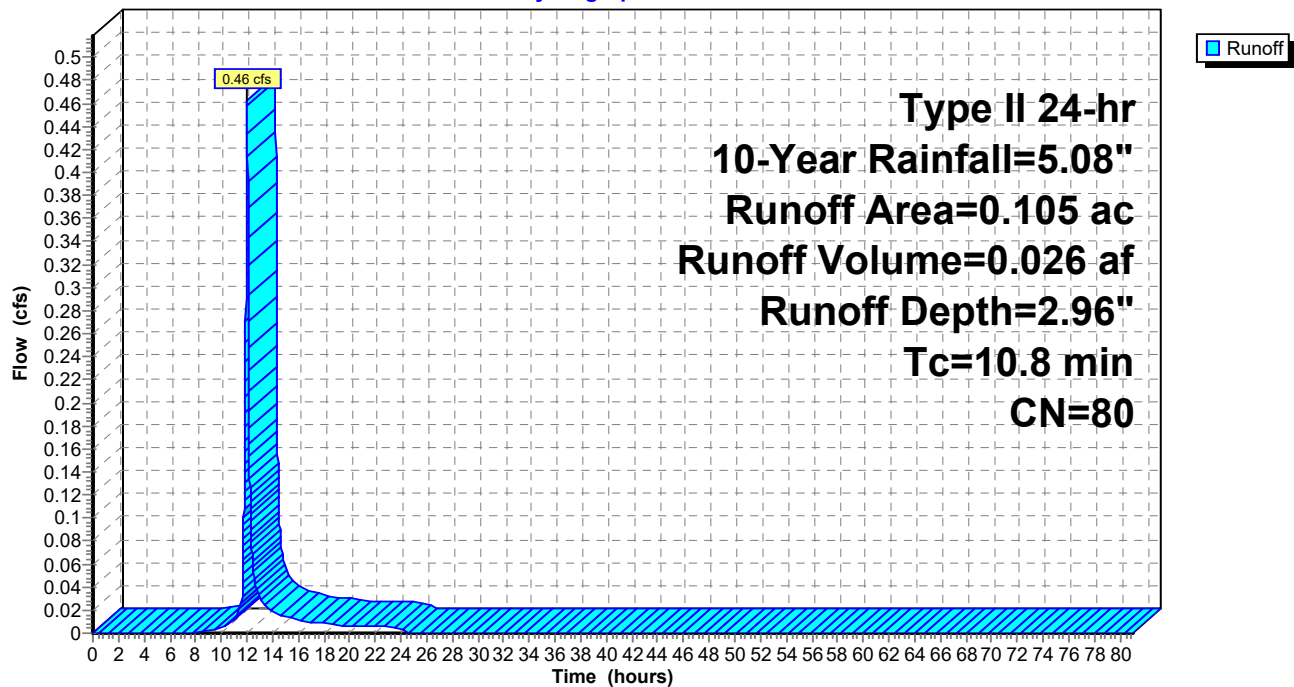
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
0.047	58	Meadow, non-grazed, HSG B
0.058	98	Paved parking, HSG B
0.105	80	Weighted Average
0.047		44.76% Pervious Area
0.058		55.24% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8					Direct Entry, Assumed Post-Development On-Site TC

Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Hydrograph



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Runoff = 19.58 cfs @ 12.02 hrs, Volume= 1.213 af, Depth= 4.50"
 Routed to Pond SB-3 : Sediment Basin No. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 10-Year Rainfall=5.08"

Area (ac)	CN	Description
0.585	86	Newly graded area, HSG B
0.382	91	Newly graded area, HSG C
0.017	86	Newly graded area, HSG B
* 0.917	98	Gravel roads, HSG B
* 1.308	98	Gravel roads, HSG C
0.026	98	Paved parking, HSG B
3.235	95	Weighted Average
0.984		30.42% Pervious Area
2.251		69.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0	50	0.0200	0.10		Sheet Flow, Grass: Dense n= 0.240 P2= 3.37"
0.4	30	0.0300	1.21		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.0	272	0.0200	2.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.3	90	0.0050	4.55	8.05	Pipe Channel, PD-15 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	20	0.0050	5.52	17.33	Pipe Channel, PD-18 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
10.8	462	Total			

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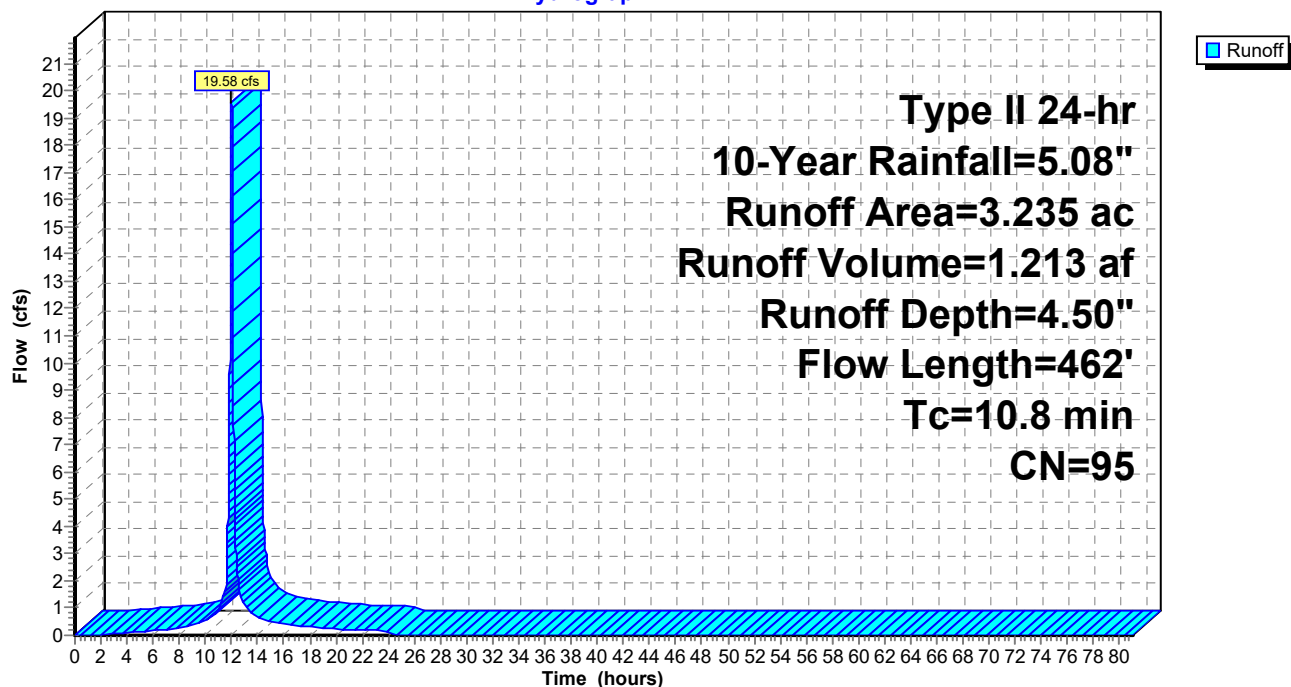
Type II 24-hr 10-Year Rainfall=5.08"

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Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Hydrograph



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Summary for Pond SB-1: Sediment Basin No. 1

Inflow Area = 13.797 ac, 55.88% Impervious, Inflow Depth = 4.32" for 10-Year event
 Inflow = 89.43 cfs @ 11.99 hrs, Volume= 4.971 af
 Outflow = 24.76 cfs @ 12.14 hrs, Volume= 4.392 af, Atten= 72%, Lag= 9.4 min
 Primary = 24.76 cfs @ 12.14 hrs, Volume= 4.392 af
 Routed to nonexistent node 14
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 14

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 645.92' @ 12.14 hrs Surf.Area= 29,445 sf Storage= 110,176 cf

Plug-Flow detention time= 251.4 min calculated for 4.392 af (88% of inflow)
 Center-of-Mass det. time= 193.7 min (966.3 - 772.5)

Volume	Invert	Avail.Storage	Storage Description
#1	642.00'	7,668 cf	Western Forebay (Irregular) Listed below (Recalc)
#2	646.00'	11,699 cf	Eastern Forebay (Irregular) Listed below (Recalc)
#3	639.20'	195,291 cf	Open Pond (Irregular) Listed below (Recalc)
		214,658 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
642.00	1,475	230.0	0	0	1,475
643.00	2,170	250.0	1,811	1,811	2,276
644.00	2,925	270.0	2,538	4,349	3,143
645.00	3,728	290.0	3,318	7,668	4,077

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
646.00	2,900	205.0	0	0	2,900
647.00	3,540	220.0	3,215	3,215	3,450
648.00	4,230	240.0	3,880	7,095	4,217
649.00	4,990	260.0	4,605	11,699	5,052

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
639.20	0	10.0	0	0	0
640.00	11,670	510.0	3,112	3,112	20,691
641.00	13,230	530.0	12,442	15,554	22,426
642.00	14,830	550.0	14,022	29,576	24,228
643.00	16,490	570.0	15,653	45,229	26,096
644.00	18,200	590.0	17,338	62,567	28,031
645.00	19,960	605.0	19,073	81,640	29,578
646.00	26,280	850.0	23,048	104,688	57,955
647.00	28,870	870.0	27,565	132,253	60,824
648.00	31,515	890.0	30,183	162,435	63,760
649.00	34,215	910.0	32,856	195,291	66,763

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Type II 24-hr 10-Year Rainfall=5.08"

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Device	Routing	Invert	Outlet Devices
#1	Primary	636.70'	18.0" Round Outlet Pipe L= 70.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 636.70' / 636.00' S= 0.0100 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	641.70'	1.5" Vert. Dewatering Perforations X 20.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	643.40'	36.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	645.00'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	647.40'	147.0 deg x 90.0' long x 1.60' rise Sharp-Crested Vee/Trap Weir Cv= 2.47 (C= 3.09)

Primary OutFlow Max=24.76 cfs @ 12.14 hrs HW=645.92' (Free Discharge)

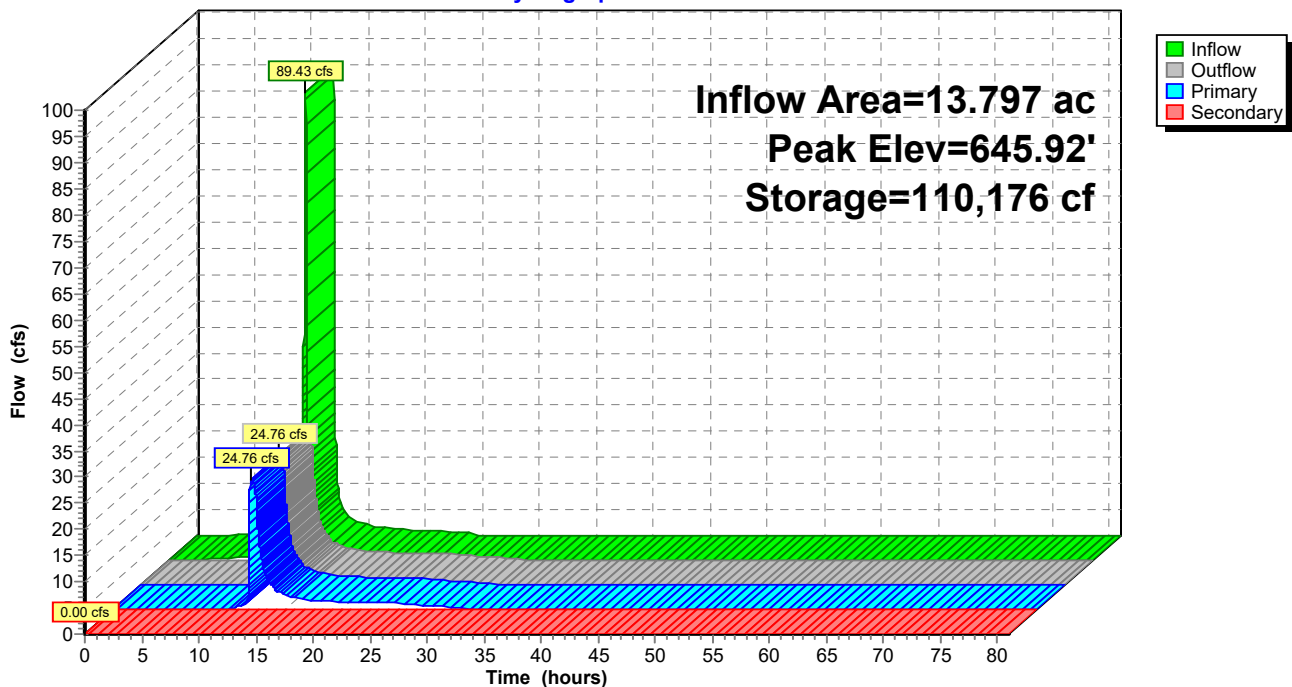
- 1=Outlet Pipe (Inlet Controls 24.76 cfs @ 14.01 fps)
- 2=Dewatering Perforations (Passes < 2.41 cfs potential flow)
- 3=Temporary Riser (Passes < 34.18 cfs potential flow)
- 4=Outlet Control Structure Inlet (CLOSED)(Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=639.20' (Free Discharge)

- 5=Sharp-Crested Vee/Trap Weir(Controls 0.00 cfs)

Pond SB-1: Sediment Basin No. 1

Hydrograph



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Type II 24-hr 10-Year Rainfall=5.08"

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Summary for Pond SB-2: Sediment Basin No. 2

Inflow Area = 4.253 ac, 73.01% Impervious, Inflow Depth = 4.50" for 10-Year event
 Inflow = 30.03 cfs @ 11.97 hrs, Volume= 1.594 af
 Outflow = 7.46 cfs @ 12.11 hrs, Volume= 1.409 af, Atten= 75%, Lag= 8.5 min
 Primary = 7.46 cfs @ 12.11 hrs, Volume= 1.409 af
 Routed to nonexistent node 19
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 19

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 623.71' @ 12.11 hrs Surf.Area= 13,659 sf Storage= 37,926 cf

Plug-Flow detention time= 299.9 min calculated for 1.409 af (88% of inflow)
 Center-of-Mass det. time= 242.1 min (1,006.3 - 764.2)

Volume	Invert	Avail.Storage	Storage Description
#1	619.00'	3,500 cf	Forebay (Prismatic) Listed below (Recalc)
#2	618.75'	63,589 cf	Open Pond (Prismatic) Listed below (Recalc)
		67,089 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
619.00	1,100	0	0
620.00	1,740	1,420	1,420
621.00	2,420	2,080	3,500

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
618.75	0	0	0
619.00	3,830	479	479
620.00	4,600	4,215	4,694
621.00	5,420	5,010	9,704
622.00	9,200	7,310	17,014
623.00	10,375	9,788	26,801
624.00	11,600	10,988	37,789
625.00	12,890	12,245	50,034
626.00	14,220	13,555	63,589

Device	Routing	Invert	Outlet Devices
#1	Primary	617.70'	18.0" Round Outlet Pipe L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 617.70' / 617.43' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	620.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	622.60'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	623.25'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	624.50'	147.0 deg x 40.0' long x 1.50' rise Emergency Spillway

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$$C_v = 2.47 \text{ (} C = 3.09 \text{)}$$

Primary OutFlow Max=7.46 cfs @ 12.11 hrs HW=623.71' (Free Discharge)

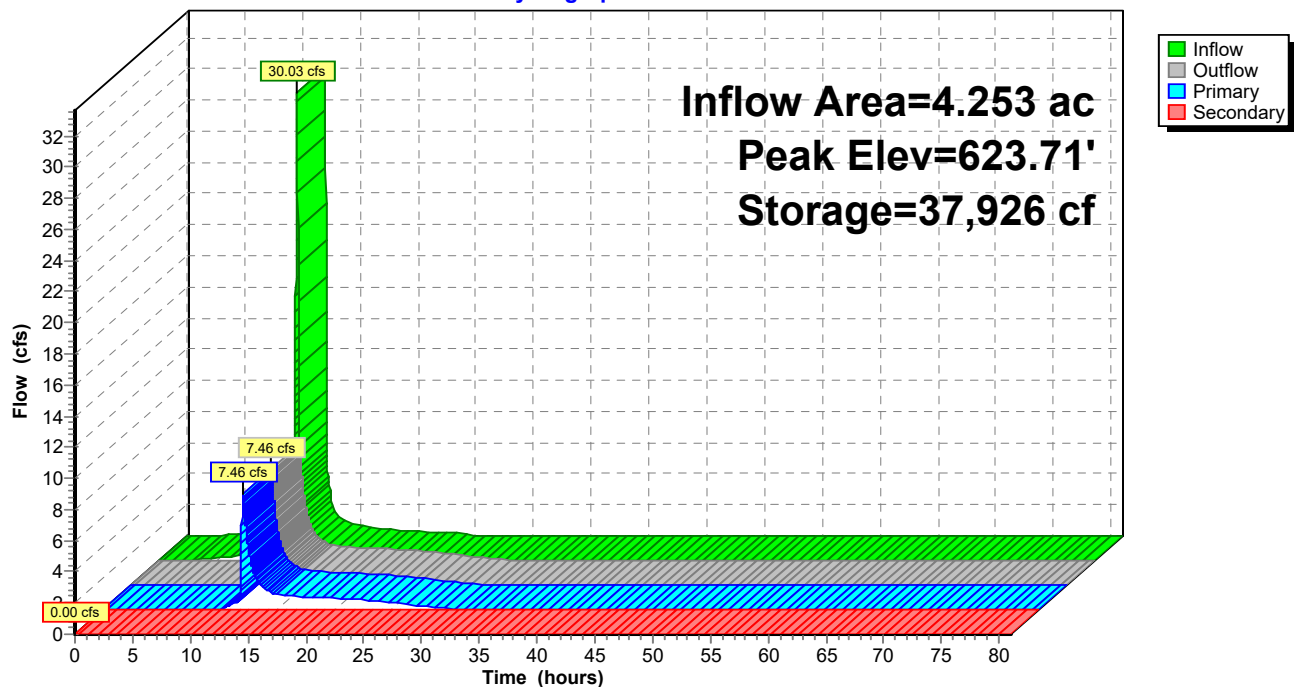
- 1=Outlet Pipe (Passes 7.46 cfs of 19.51 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 1.08 cfs @ 8.80 fps)
- 3=Temporary Riser (Orifice Controls 6.38 cfs @ 3.58 fps)
- 4=Outlet Control Structure Inlet (CLOSED) (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=618.75' (Free Discharge)

- 5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-2: Sediment Basin No. 2

Hydrograph



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Summary for Pond SB-3: Sediment Basin No. 3

Inflow Area = 3.340 ac, 69.13% Impervious, Inflow Depth = 4.45" for 10-Year event
 Inflow = 20.05 cfs @ 12.02 hrs, Volume= 1.239 af
 Outflow = 8.56 cfs @ 12.16 hrs, Volume= 1.095 af, Atten= 57%, Lag= 8.6 min
 Primary = 8.56 cfs @ 12.16 hrs, Volume= 1.095 af
 Routed to nonexistent node 25
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 25

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 648.73' @ 12.16 hrs Surf.Area= 11,756 sf Storage= 26,221 cf

Plug-Flow detention time= 231.6 min calculated for 1.095 af (88% of inflow)
 Center-of-Mass det. time= 174.3 min (944.0 - 769.8)

Volume	Invert	Avail.Storage	Storage Description
#1	645.50'	3,760 cf	Forebay (Prismatic) Listed below (Recalc)
#2	645.05'	49,162 cf	Open Pond (Prismatic) Listed below (Recalc)
		52,922 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.50	1,030	0	0
646.00	1,205	559	559
647.00	1,590	1,398	1,956
647.50	1,800	848	2,804
648.00	2,025	956	3,760

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.05	0	0	0
645.50	4,840	1,089	1,089
646.00	5,390	2,558	3,647
647.00	6,300	5,845	9,492
648.00	7,250	6,775	16,267
649.00	10,650	8,950	25,217
650.00	11,960	11,305	36,522
651.00	13,320	12,640	49,162

Device	Routing	Invert	Outlet Devices
#1	Primary	643.95'	15.0" Round Outlet Pipe L= 45.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.95' / 643.50' S= 0.0100 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	646.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	647.50'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	648.50'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads

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#5 Secondary 649.50' 147.0 deg x 30.0' long x 1.25' rise Emergency Spillway
Cv= 2.47 (C= 3.09)

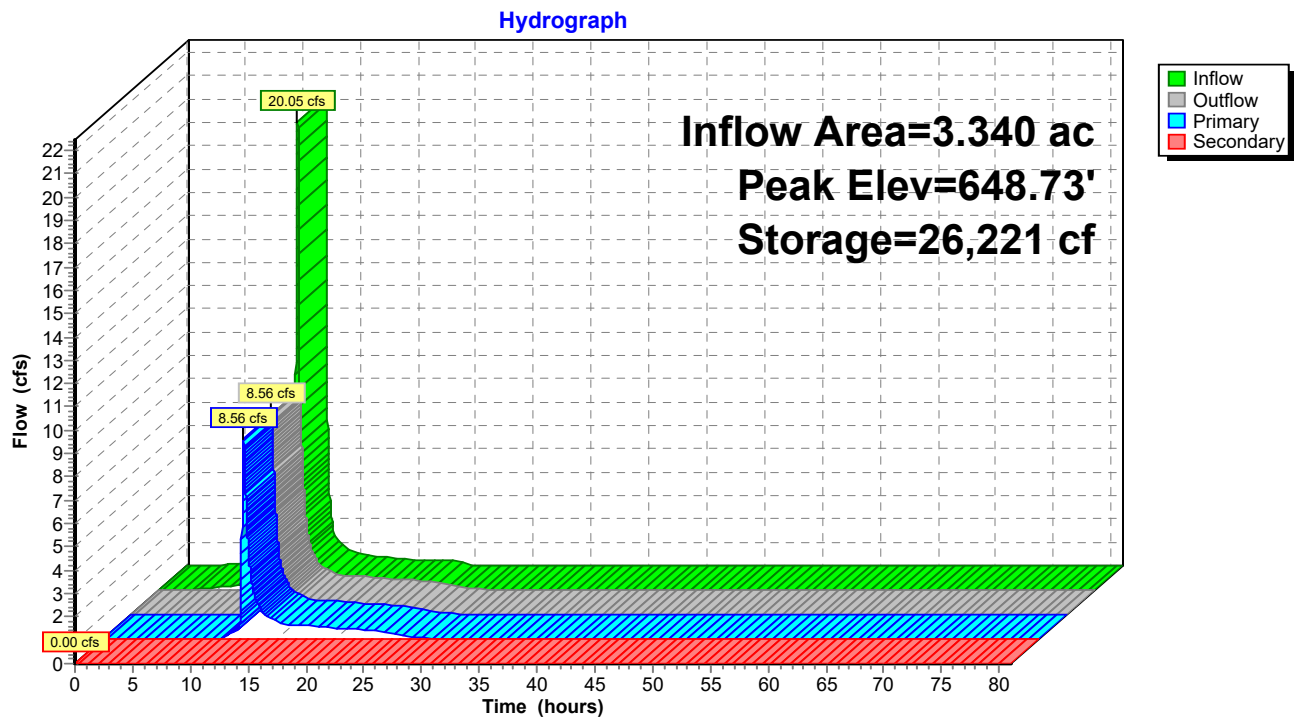
Primary OutFlow Max=8.56 cfs @ 12.16 hrs HW=648.73' (Free Discharge)

- 1=Outlet Pipe (Passes 8.56 cfs of 12.04 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 0.91 cfs @ 7.41 fps)
- 3=Temporary Riser (Orifice Controls 7.65 cfs @ 3.78 fps)
- 4=Outlet Control Structure Inlet (CLOSED)(Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=645.05' (Free Discharge)

- 5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-3: Sediment Basin No. 3



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Summary for Pond SB-A: Sediment Basin A

Inflow Area = 7.660 ac, 2.61% Impervious, Inflow Depth = 3.74" for 10-Year event
 Inflow = 39.73 cfs @ 12.04 hrs, Volume= 2.391 af
 Outflow = 22.15 cfs @ 12.15 hrs, Volume= 2.531 af, Atten= 44%, Lag= 7.1 min
 Primary = 15.01 cfs @ 12.15 hrs, Volume= 2.471 af
 Routed to nonexistent node 51R
 Secondary = 7.14 cfs @ 12.15 hrs, Volume= 0.060 af
 Routed to nonexistent node 22L

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Starting Elev= 652.00' Surf.Area= 8,350 sf Storage= 20,340 cf
 Peak Elev= 654.63' @ 12.15 hrs Surf.Area= 14,480 sf Storage= 50,004 cf (29,664 cf above start)

Plug-Flow detention time= 283.2 min calculated for 2.064 af (86% of inflow)
 Center-of-Mass det. time= 131.3 min (931.0 - 799.7)

Volume	Invert	Avail.Storage	Storage Description
#1	648.00'	72,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
648.00	2,290	0	0
650.00	4,850	7,140	7,140
652.00	8,350	13,200	20,340
654.00	12,780	21,130	41,470
656.00	18,210	30,990	72,460

Device	Routing	Invert	Outlet Devices
#1	Primary	647.00'	15.0" Round Culvert L= 80.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 647.00' / 646.20' S= 0.0100 ' S= 0.0100 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	651.20'	1.0" Vert. Dewatering Perforations X 15.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	653.00'	36.0" Horiz. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Secondary	654.50'	127.0 deg x 50.0' long x 1.50' rise Emergency Spillway Cv= 2.48 (C= 3.10)

Primary OutFlow Max=15.01 cfs @ 12.15 hrs HW=654.63' (Free Discharge)

↑ **1=Culvert** (Barrel Controls 15.01 cfs @ 12.23 fps)
 ↑ **2=Dewatering Perforations** (Passes < 0.72 cfs potential flow)
 ↑ **3=Temporary Riser** (Passes < 43.39 cfs potential flow)

Secondary OutFlow Max=6.92 cfs @ 12.15 hrs HW=654.63' (Free Discharge)

↑ **4=Emergency Spillway** (Weir Controls 6.92 cfs @ 1.10 fps)

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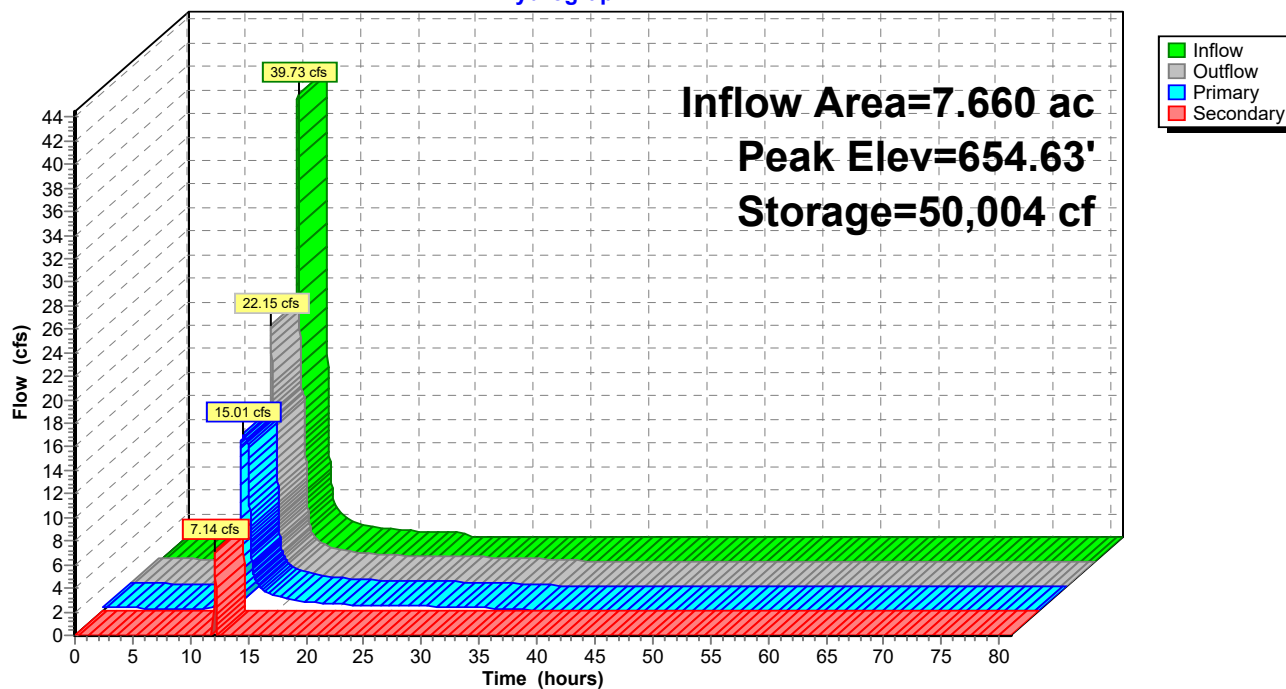
Type II 24-hr 10-Year Rainfall=5.08"

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Pond SB-A: Sediment Basin A

Hydrograph



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Summary for Subcatchment A: Sediment Basin A - Phase 1 DA

Runoff = 50.68 cfs @ 12.03 hrs, Volume= 3.094 af, Depth= 4.85"
 Routed to Pond SB-A : Sediment Basin A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
0.090	55	Woods, Good, HSG B
3.250	86	Newly graded area, HSG B
3.290	91	Newly graded area, HSG C
0.430	85	Gravel roads, HSG B
0.400	89	Gravel roads, HSG C
0.200	98	Paved parking, HSG B
7.660	88	Weighted Average
7.460		97.39% Pervious Area
0.200		2.61% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.0	50	0.0100	0.28		Sheet Flow, Fallow n= 0.050 P2= 3.37"
3.8	227	0.0100	1.00		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
0.1	14	0.1000	3.16		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
2.1	237	0.0100	1.87	18.24	Trap/Vee/Rect Channel Flow, Permanent Channel No. 1A Bot.W=2.00' D=1.50' Z= 2.0 & 4.0 '/' Top.W=11.00' n= 0.071
0.6	68	0.0300	1.79	8.52	Trap/Vee/Rect Channel Flow, Temporary Channel No. 2 Bot.W=2.00' D=0.50' Z= 2.0 & 28.0 '/' Top.W=17.00' n= 0.061
1.3	115	0.0100	1.45	4.85	Trap/Vee/Rect Channel Flow, Existing Ditch Bot.W=10.00' D=0.25' Z= 12.0 & 15.0 '/' Top.W=16.75' n= 0.035
0.1	55	0.0300	9.88	12.12	Pipe Channel, Culvert No. 2 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
1.0	382	0.0200	6.38	76.61	Trap/Vee/Rect Channel Flow, Temporary Channel No. 1 Bot.W=2.00' D=2.00' Z= 2.0 '/' Top.W=10.00' n= 0.035
12.0	1,148	Total			

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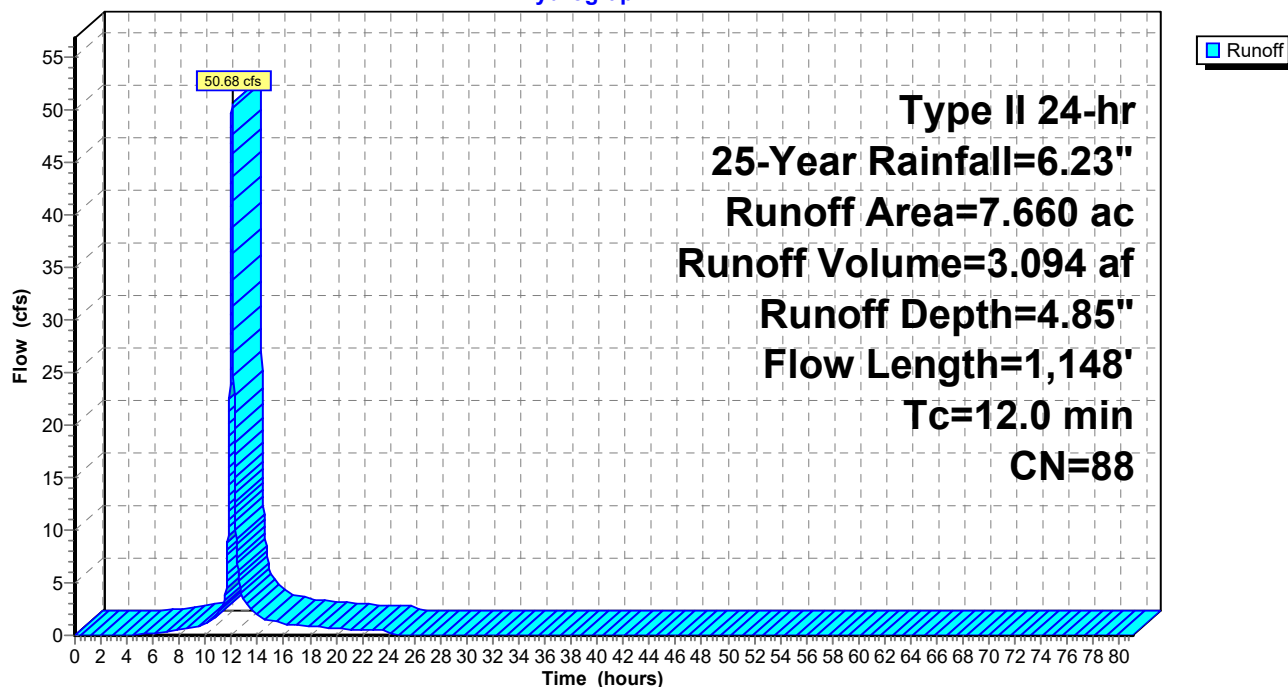
Type II 24-hr 25-Year Rainfall=6.23"

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Subcatchment A: Sediment Basin A - Phase 1 DA

Hydrograph



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Summary for Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)

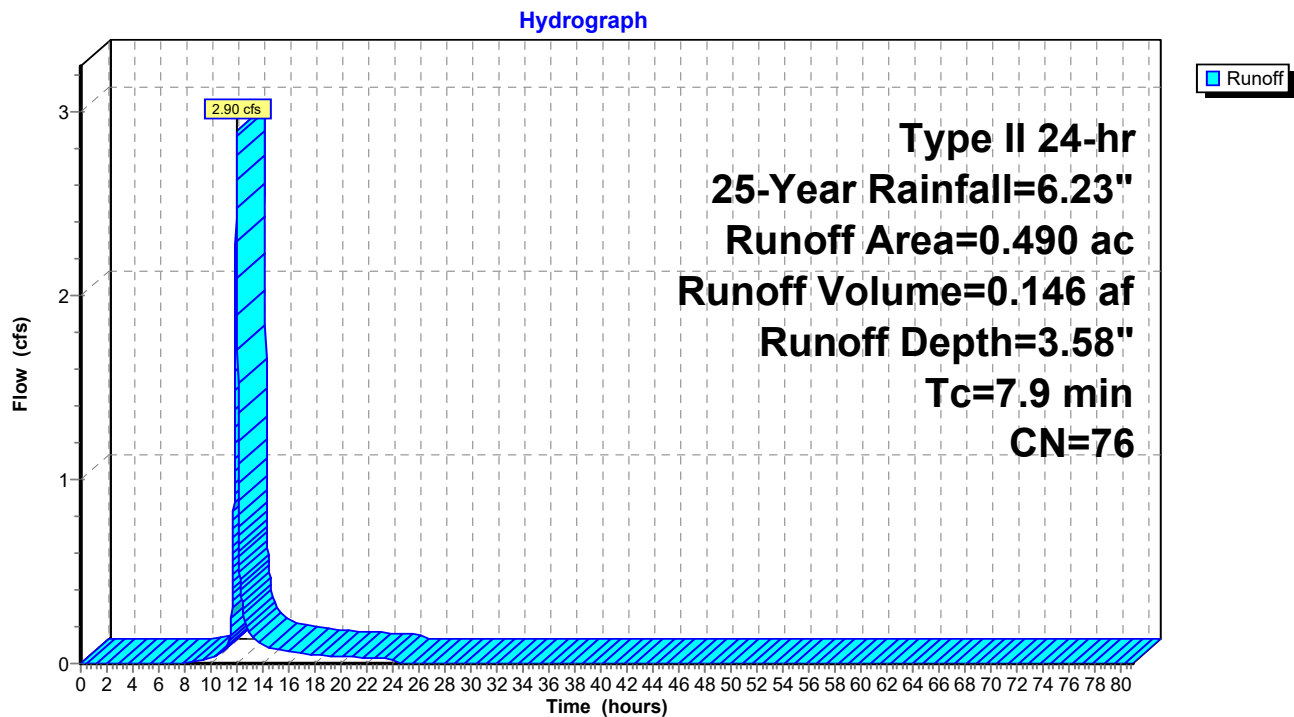
Runoff = 2.90 cfs @ 11.99 hrs, Volume= 0.146 af, Depth= 3.58"
Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
0.019	55	Woods, Good, HSG B
0.066	77	Woods, Good, HSG D
0.198	58	Meadow, non-grazed, HSG B
0.041	78	Meadow, non-grazed, HSG D
0.166	98	Paved parking, HSG B
0.490	76	Weighted Average
0.324		66.12% Pervious Area
0.166		33.88% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
7.9					Direct Entry, Assumed Equal to Detained On-Site TC

Subcatchment DA-1-OFF: Sediment Basin No. 1 (Off-Site)



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Runoff = 108.42 cfs @ 11.99 hrs, Volume= 6.126 af, Depth= 5.52"
 Routed to Pond SB-1 : Sediment Basin No. 1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
1.116	86	Newly graded area, HSG B
1.362	91	Newly graded area, HSG C
0.020	94	Newly graded area, HSG D
2.398	86	Newly graded area, HSG B
0.775	91	Newly graded area, HSG C
0.092	91	Newly graded area, HSG C
* 3.439	98	Gravel roads, HSG B
* 4.026	98	Gravel roads, HSG C
0.079	98	Paved parking, HSG B
13.307	94	Weighted Average
5.763		43.31% Pervious Area
7.544		56.69% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
1.2	50	0.0050	0.71		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
3.9	380	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.6	153	0.0050	4.55	8.05	Pipe Channel, PD-2 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.5	127	0.0050	4.55	8.05	Pipe Channel, PD-3 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.7	192	0.0050	4.55	8.05	Pipe Channel, PD-4 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012 Corrugated PP, smooth interior
0.6	192	0.0050	5.52	17.33	Pipe Channel, PD-5 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.4	148	0.0050	5.52	17.33	Pipe Channel, PD-6 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.2710	47.12	231.32	Pipe Channel, PD-13 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
0.0	40	0.0250	14.31	70.26	Pipe Channel, PD-13A 30.0" Round Area= 4.9 sf Perim= 7.9' r= 0.63' n= 0.012 Corrugated PP, smooth interior
7.9	1,322	Total			

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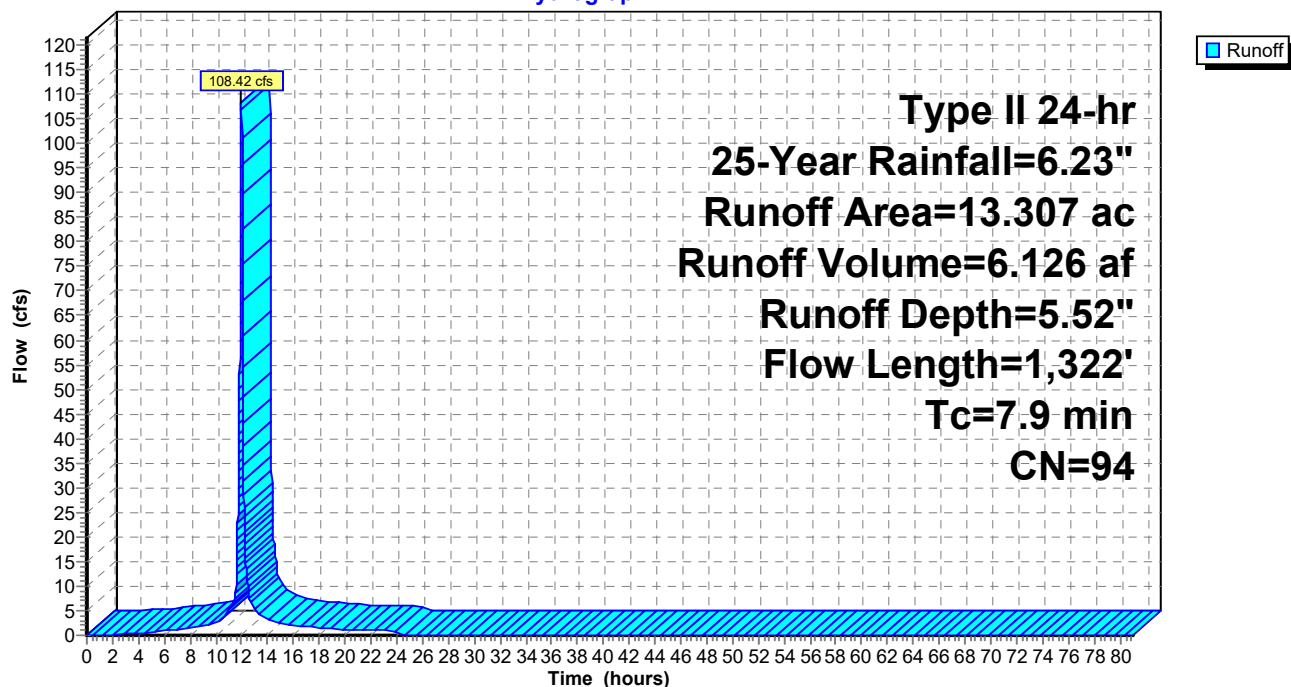
Type II 24-hr 25-Year Rainfall=6.23"

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Subcatchment DA-1-ON: Sediment Basin No. 1 (On-Site)

Hydrograph



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Runoff = 37.15 cfs @ 11.97 hrs, Volume= 1.999 af, Depth= 5.64"
 Routed to Pond SB-2 : Sediment Basin No. 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
0.118	86	Newly graded area, HSG B
0.799	86	Newly graded area, HSG B
0.231	91	Newly graded area, HSG C
* 1.777	98	Gravel roads, HSG B
* 1.328	98	Gravel roads, HSG C
4.253	95	Weighted Average
1.148		26.99% Pervious Area
3.105		73.01% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.9	50	0.0100	0.93		Sheet Flow, Smooth surfaces n= 0.011 P2= 3.37"
2.7	263	0.0100	1.61		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.5	110	0.0050	4.03	4.95	Pipe Channel, PD-20 15.0" Round Area= 1.2 sf Perim= 3.9' r= 0.31' n= 0.012
0.3	100	0.0100	6.44	11.38	Pipe Channel, PD-22 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	70	0.0500	14.40	25.45	Pipe Channel, PD-23 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
4.5	593	Total, Increased to minimum Tc = 6.0 min			

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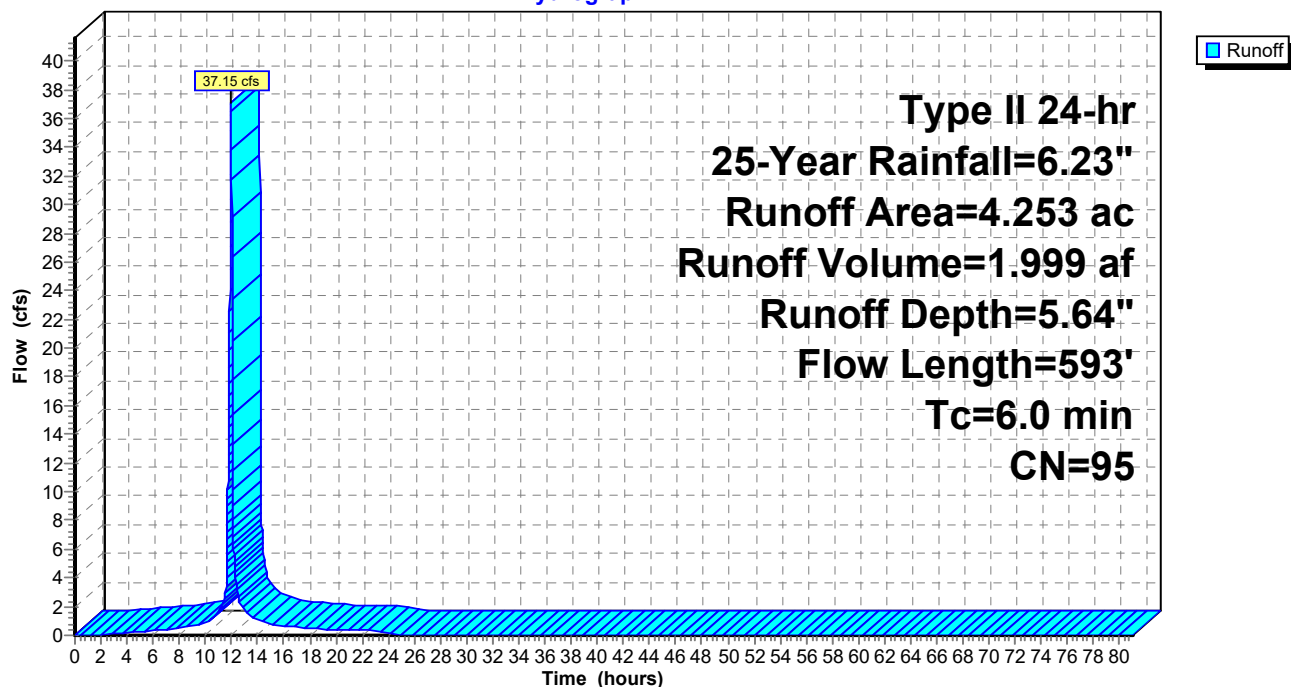
Type II 24-hr 25-Year Rainfall=6.23"

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Subcatchment DA-2-ON: Sediment Basin No. 2 (On-Site)

Hydrograph



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Runoff = 0.62 cfs @ 12.02 hrs, Volume= 0.035 af, Depth= 3.99"
Routed to Pond SB-3 : Sediment Basin No. 3

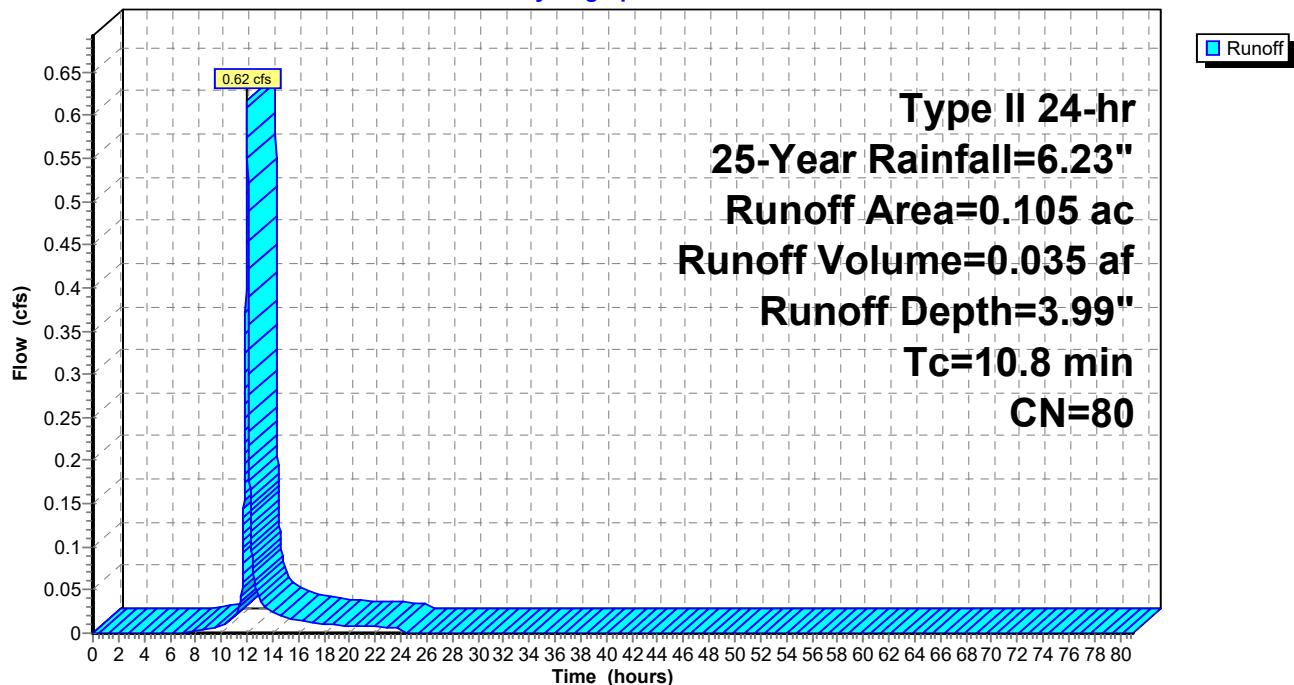
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
0.047	58	Meadow, non-grazed, HSG B
0.058	98	Paved parking, HSG B
0.105	80	Weighted Average
0.047		44.76% Pervious Area
0.058		55.24% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.8					Direct Entry, Assumed Post-Development On-Site TC

Subcatchment DA-3-OFF: Sediment Basin No. 3 (Off-Site)

Hydrograph



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Runoff = 24.25 cfs @ 12.02 hrs, Volume= 1.520 af, Depth= 5.64"
 Routed to Pond SB-3 : Sediment Basin No. 3

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Type II 24-hr 25-Year Rainfall=6.23"

Area (ac)	CN	Description
0.585	86	Newly graded area, HSG B
0.382	91	Newly graded area, HSG C
0.017	86	Newly graded area, HSG B
* 0.917	98	Gravel roads, HSG B
* 1.308	98	Gravel roads, HSG C
0.026	98	Paved parking, HSG B
3.235	95	Weighted Average
0.984		30.42% Pervious Area
2.251		69.58% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0	50	0.0200	0.10		Sheet Flow, Grass: Dense n= 0.240 P2= 3.37"
0.4	30	0.0300	1.21		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
2.0	272	0.0200	2.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.3	90	0.0050	4.55	8.05	Pipe Channel, PD-15 18.0" Round Area= 1.8 sf Perim= 4.7' r= 0.38' n= 0.012
0.1	20	0.0050	5.52	17.33	Pipe Channel, PD-18 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
10.8	462	Total			

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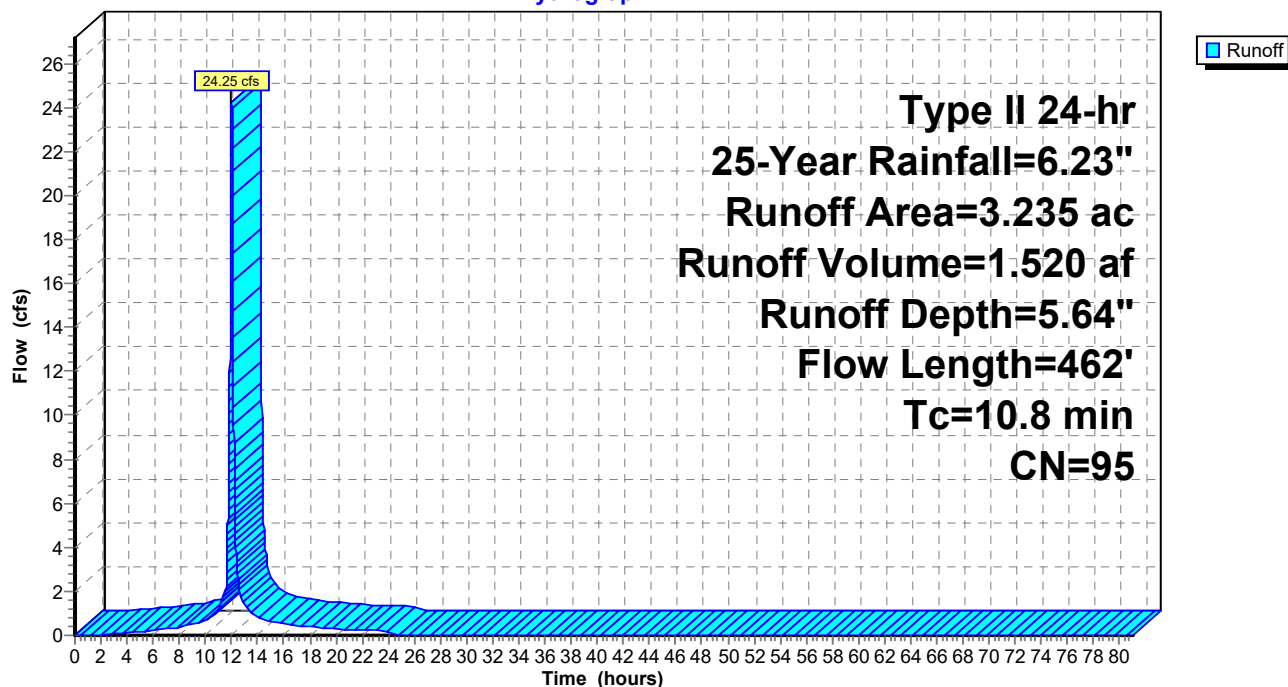
Type II 24-hr 25-Year Rainfall=6.23"

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Subcatchment DA-3-ON: Sediment Basin No. 3 (On-Site)

Hydrograph



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Pond SB-1: Sediment Basin No. 1

Inflow Area = 13.797 ac, 55.88% Impervious, Inflow Depth = 5.46" for 25-Year event
 Inflow = 111.31 cfs @ 11.99 hrs, Volume= 6.272 af
 Outflow = 26.01 cfs @ 12.16 hrs, Volume= 5.694 af, Atten= 77%, Lag= 10.6 min
 Primary = 26.01 cfs @ 12.16 hrs, Volume= 5.694 af
 Routed to nonexistent node 14
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 14

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 646.80' @ 12.16 hrs Surf.Area= 35,463 sf Storage= 136,578 cf

Plug-Flow detention time= 226.0 min calculated for 5.694 af (91% of inflow)
 Center-of-Mass det. time= 177.1 min (944.0 - 766.9)

Volume	Invert	Avail.Storage	Storage Description
#1	642.00'	7,668 cf	Western Forebay (Irregular) Listed below (Recalc)
#2	646.00'	11,699 cf	Eastern Forebay (Irregular) Listed below (Recalc)
#3	639.20'	195,291 cf	Open Pond (Irregular) Listed below (Recalc)
		214,658 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
642.00	1,475	230.0	0	0	1,475
643.00	2,170	250.0	1,811	1,811	2,276
644.00	2,925	270.0	2,538	4,349	3,143
645.00	3,728	290.0	3,318	7,668	4,077

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
646.00	2,900	205.0	0	0	2,900
647.00	3,540	220.0	3,215	3,215	3,450
648.00	4,230	240.0	3,880	7,095	4,217
649.00	4,990	260.0	4,605	11,699	5,052

Elevation (feet)	Surf.Area (sq-ft)	Perim. (feet)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
639.20	0	10.0	0	0	0
640.00	11,670	510.0	3,112	3,112	20,691
641.00	13,230	530.0	12,442	15,554	22,426
642.00	14,830	550.0	14,022	29,576	24,228
643.00	16,490	570.0	15,653	45,229	26,096
644.00	18,200	590.0	17,338	62,567	28,031
645.00	19,960	605.0	19,073	81,640	29,578
646.00	26,280	850.0	23,048	104,688	57,955
647.00	28,870	870.0	27,565	132,253	60,824
648.00	31,515	890.0	30,183	162,435	63,760
649.00	34,215	910.0	32,856	195,291	66,763

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Device	Routing	Invert	Outlet Devices
#1	Primary	636.70'	18.0" Round Outlet Pipe L= 70.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 636.70' / 636.00' S= 0.0100 '/ Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	641.70'	1.5" Vert. Dewatering Perforations X 20.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	643.40'	36.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	645.00'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	647.40'	147.0 deg x 90.0' long x 1.60' rise Sharp-Crested Vee/Trap Weir Cv= 2.47 (C= 3.09)

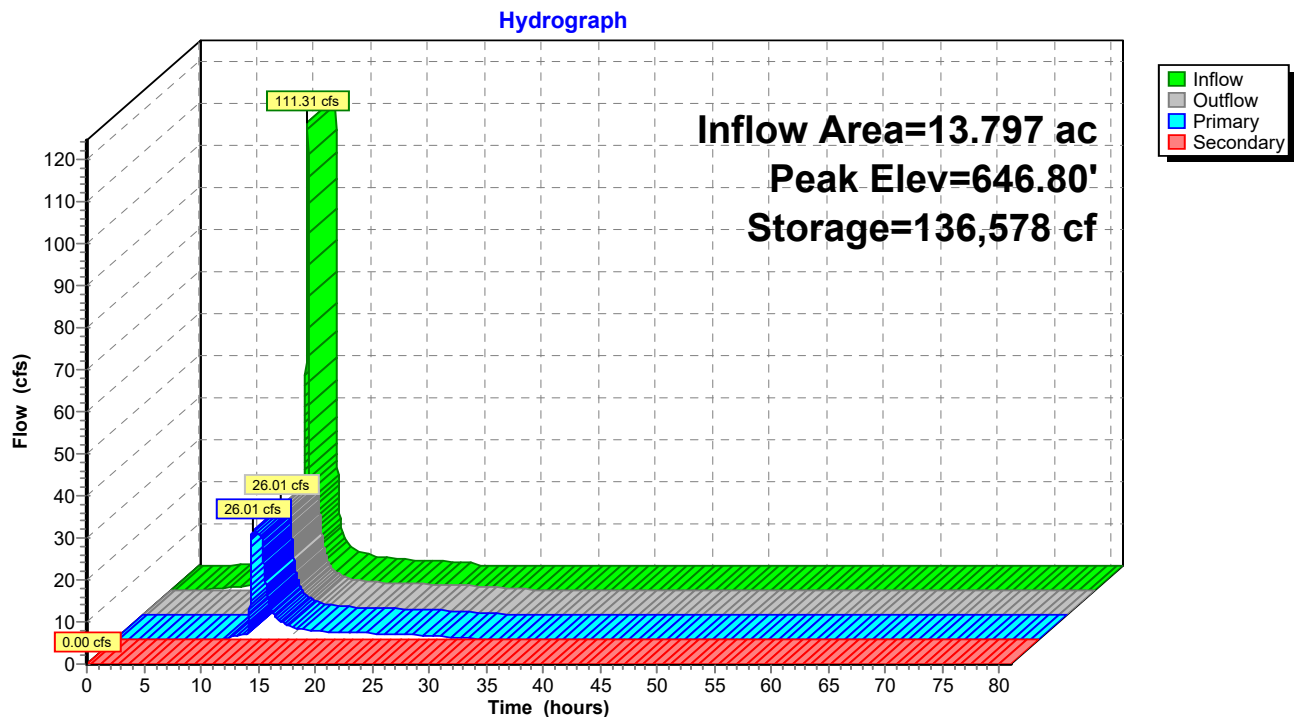
Primary OutFlow Max=26.01 cfs @ 12.16 hrs HW=646.80' (Free Discharge)

- 1=Outlet Pipe (Inlet Controls 26.01 cfs @ 14.72 fps)
- 2=Dewatering Perforations (Passes < 2.65 cfs potential flow)
- 3=Temporary Riser (Passes < 46.86 cfs potential flow)
- 4=Outlet Control Structure Inlet (CLOSED)(Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=639.20' (Free Discharge)

- 5=Sharp-Crested Vee/Trap Weir(Controls 0.00 cfs)

Pond SB-1: Sediment Basin No. 1



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Pond SB-2: Sediment Basin No. 2

Inflow Area = 4.253 ac, 73.01% Impervious, Inflow Depth = 5.64" for 25-Year event
 Inflow = 37.15 cfs @ 11.97 hrs, Volume= 1.999 af
 Outflow = 13.24 cfs @ 12.08 hrs, Volume= 1.813 af, Atten= 64%, Lag= 6.8 min
 Primary = 13.24 cfs @ 12.08 hrs, Volume= 1.813 af
 Routed to nonexistent node 19
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 19

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 624.25' @ 12.08 hrs Surf.Area= 14,337 sf Storage= 44,178 cf

Plug-Flow detention time= 264.8 min calculated for 1.813 af (91% of inflow)
 Center-of-Mass det. time= 215.7 min (974.7 - 759.0)

Volume	Invert	Avail.Storage	Storage Description
#1	619.00'	3,500 cf	Forebay (Prismatic) Listed below (Recalc)
#2	618.75'	63,589 cf	Open Pond (Prismatic) Listed below (Recalc)
		67,089 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
619.00	1,100	0	0
620.00	1,740	1,420	1,420
621.00	2,420	2,080	3,500

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
618.75	0	0	0
619.00	3,830	479	479
620.00	4,600	4,215	4,694
621.00	5,420	5,010	9,704
622.00	9,200	7,310	17,014
623.00	10,375	9,788	26,801
624.00	11,600	10,988	37,789
625.00	12,890	12,245	50,034
626.00	14,220	13,555	63,589

Device	Routing	Invert	Outlet Devices
#1	Primary	617.70'	18.0" Round Outlet Pipe L= 55.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 617.70' / 617.43' S= 0.0049 '/' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.77 sf
#2	Device 1	620.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	622.60'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	623.25'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads
#5	Secondary	624.50'	147.0 deg x 40.0' long x 1.50' rise Emergency Spillway

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$$C_v = 2.47 \text{ (} C = 3.09 \text{)}$$

Primary OutFlow Max=13.24 cfs @ 12.08 hrs HW=624.25' (Free Discharge)

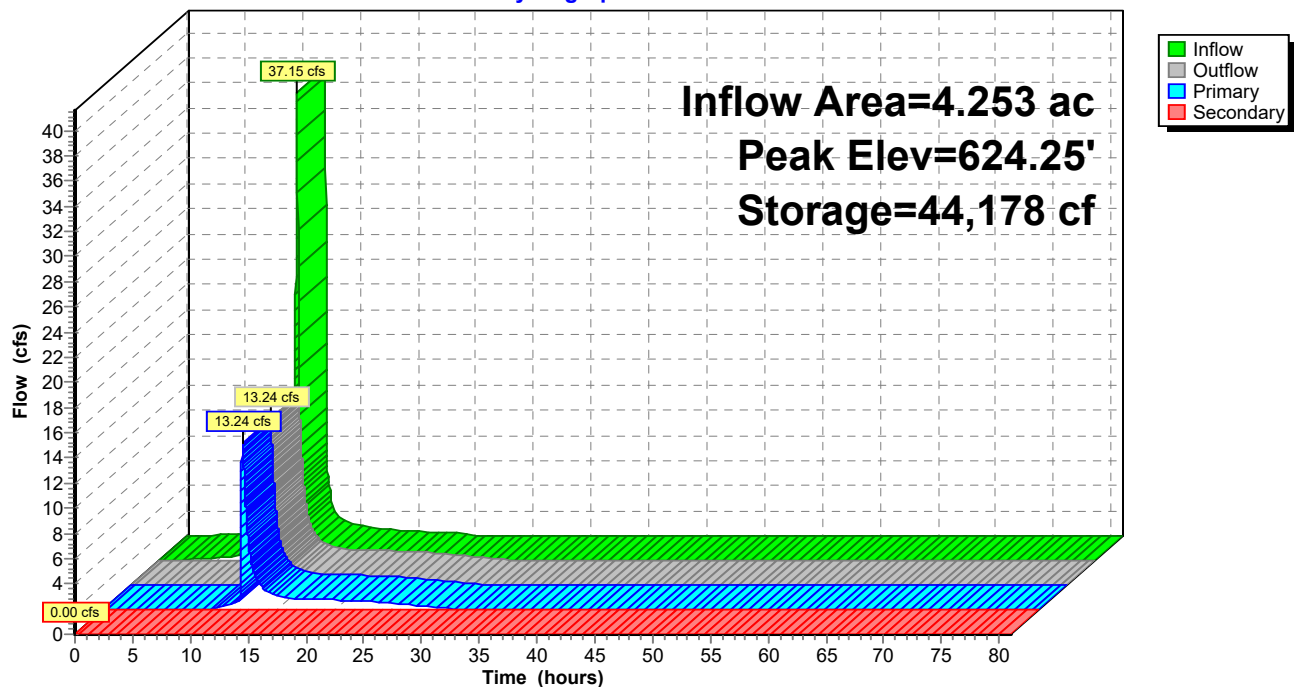
- 1=Outlet Pipe (Passes 13.24 cfs of 20.48 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 1.16 cfs @ 9.49 fps)
- 3=Temporary Riser (Orifice Controls 12.08 cfs @ 4.37 fps)
- 4=Outlet Control Structure Inlet (CLOSED) (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=618.75' (Free Discharge)

- 5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-2: Sediment Basin No. 2

Hydrograph



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Summary for Pond SB-3: Sediment Basin No. 3

Inflow Area = 3.340 ac, 69.13% Impervious, Inflow Depth = 5.59" for 25-Year event
 Inflow = 24.86 cfs @ 12.02 hrs, Volume= 1.555 af
 Outflow = 12.54 cfs @ 12.14 hrs, Volume= 1.412 af, Atten= 50%, Lag= 7.5 min
 Primary = 12.54 cfs @ 12.14 hrs, Volume= 1.412 af
 Routed to nonexistent node 25
 Secondary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af
 Routed to nonexistent node 25

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Peak Elev= 649.10' @ 12.14 hrs Surf.Area= 12,804 sf Storage= 30,034 cf

Plug-Flow detention time= 206.6 min calculated for 1.412 af (91% of inflow)
 Center-of-Mass det. time= 157.8 min (922.3 - 764.6)

Volume	Invert	Avail.Storage	Storage Description
#1	645.50'	3,760 cf	Forebay (Prismatic) Listed below (Recalc)
#2	645.05'	49,162 cf	Open Pond (Prismatic) Listed below (Recalc)
		52,922 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.50	1,030	0	0
646.00	1,205	559	559
647.00	1,590	1,398	1,956
647.50	1,800	848	2,804
648.00	2,025	956	3,760

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
645.05	0	0	0
645.50	4,840	1,089	1,089
646.00	5,390	2,558	3,647
647.00	6,300	5,845	9,492
648.00	7,250	6,775	16,267
649.00	10,650	8,950	25,217
650.00	11,960	11,305	36,522
651.00	13,320	12,640	49,162

Device	Routing	Invert	Outlet Devices
#1	Primary	643.95'	15.0" Round Outlet Pipe L= 45.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 643.95' / 643.50' S= 0.0100 ' / Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	646.30'	1.5" Vert. Dewatering Perforations X 10.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	647.50'	24.0" Vert. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Device 1	648.50'	24.0" x 48.0" Horiz. Outlet Control Structure Inlet (CLOSED) X 0.00 C= 0.600 Limited to weir flow at low heads

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#5 Secondary 649.50' 147.0 deg x 30.0' long x 1.25' rise Emergency Spillway
Cv= 2.47 (C= 3.09)

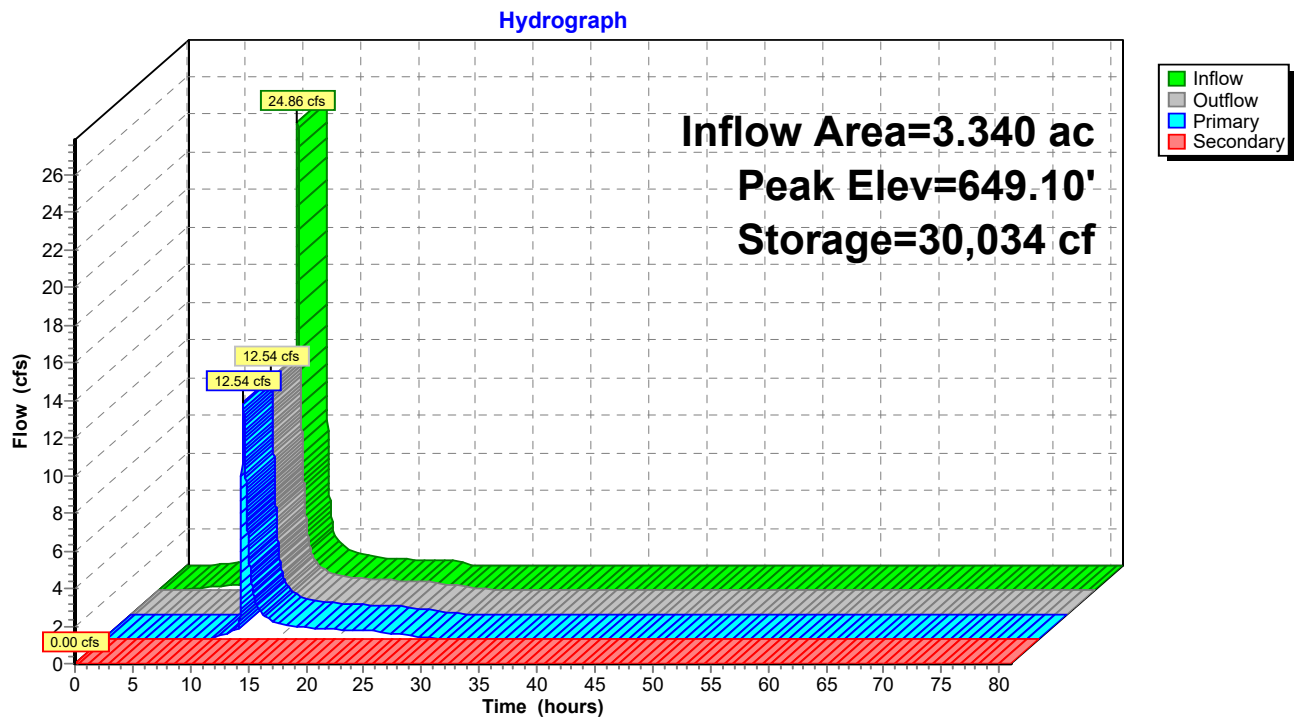
Primary OutFlow Max=12.56 cfs @ 12.14 hrs HW=649.10' (Free Discharge)

- 1=Outlet Pipe (Passes 12.56 cfs of 12.57 cfs potential flow)
- 2=Dewatering Perforations (Orifice Controls 0.98 cfs @ 7.96 fps)
- 3=Temporary Riser (Orifice Controls 11.59 cfs @ 4.30 fps)
- 4=Outlet Control Structure Inlet (CLOSED)(Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 0.00 hrs HW=645.05' (Free Discharge)

- 5=Emergency Spillway (Controls 0.00 cfs)

Pond SB-3: Sediment Basin No. 3



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Type II 24-hr 25-Year Rainfall=6.23"

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Summary for Pond SB-A: Sediment Basin A

Inflow Area = 7.660 ac, 2.61% Impervious, Inflow Depth = 4.85" for 25-Year event
 Inflow = 50.68 cfs @ 12.03 hrs, Volume= 3.094 af
 Outflow = 42.68 cfs @ 12.09 hrs, Volume= 3.235 af, Atten= 16%, Lag= 3.6 min
 Primary = 15.20 cfs @ 12.09 hrs, Volume= 2.898 af
 Routed to nonexistent node 51R
 Secondary = 27.48 cfs @ 12.09 hrs, Volume= 0.337 af
 Routed to nonexistent node 22L

Routing by Stor-Ind method, Time Span= 0.00-81.00 hrs, dt= 0.01 hrs
 Starting Elev= 652.00' Surf.Area= 8,350 sf Storage= 20,340 cf
 Peak Elev= 654.81' @ 12.09 hrs Surf.Area= 14,987 sf Storage= 52,755 cf (32,415 cf above start)

Plug-Flow detention time= 231.7 min calculated for 2.768 af (89% of inflow)
 Center-of-Mass det. time= 114.0 min (906.6 - 792.5)

Volume	Invert	Avail.Storage	Storage Description
#1	648.00'	72,460 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
648.00	2,290	0	0
650.00	4,850	7,140	7,140
652.00	8,350	13,200	20,340
654.00	12,780	21,130	41,470
656.00	18,210	30,990	72,460

Device	Routing	Invert	Outlet Devices
#1	Primary	647.00'	15.0" Round Culvert L= 80.0' CPP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 647.00' / 646.20' S= 0.0100 ' S= 0.0100 ' Cc= 0.900 n= 0.012 Corrugated PP, smooth interior, Flow Area= 1.23 sf
#2	Device 1	651.20'	1.0" Vert. Dewatering Perforations X 15.00 C= 0.600 Limited to weir flow at low heads
#3	Device 1	653.00'	36.0" Horiz. Temporary Riser C= 0.600 Limited to weir flow at low heads
#4	Secondary	654.50'	127.0 deg x 50.0' long x 1.50' rise Emergency Spillway Cv= 2.48 (C= 3.10)

Primary OutFlow Max=15.20 cfs @ 12.09 hrs HW=654.81' (Free Discharge)

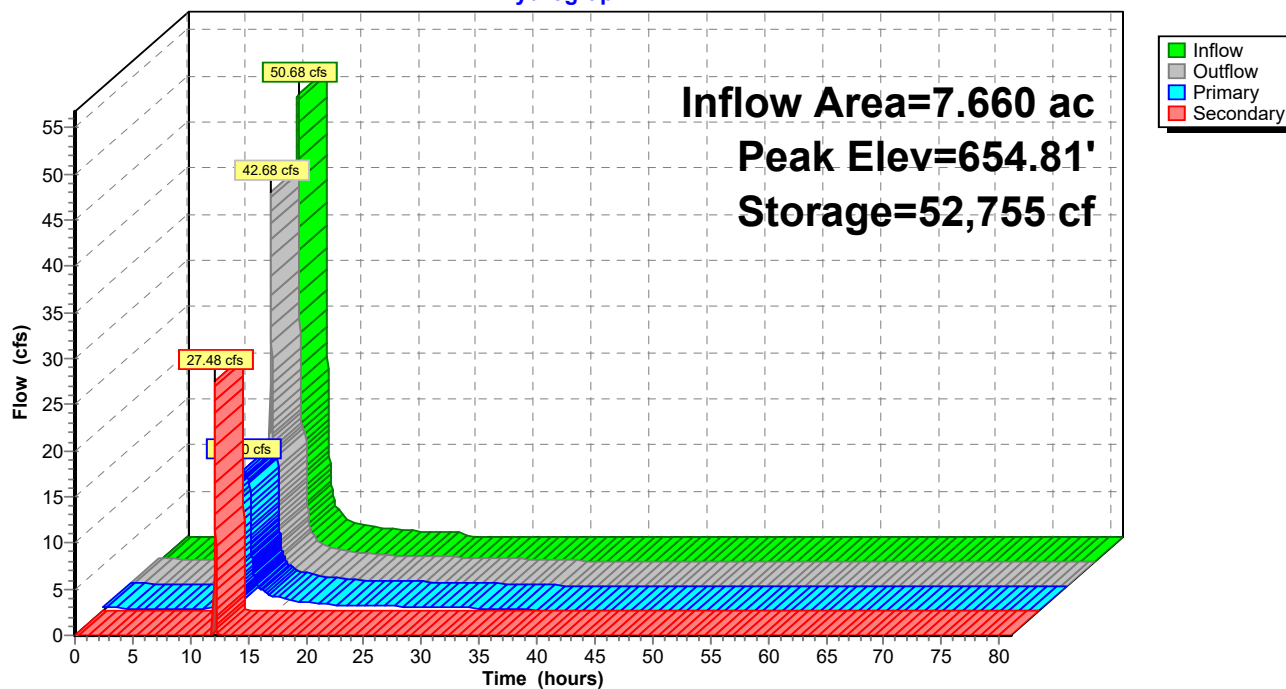
↑ **1=Culvert** (Barrel Controls 15.20 cfs @ 12.39 fps)
 ↑ **2=Dewatering Perforations** (Passes < 0.74 cfs potential flow)
 ↑ **3=Temporary Riser** (Passes < 45.82 cfs potential flow)

Secondary OutFlow Max=27.29 cfs @ 12.09 hrs HW=654.81' (Free Discharge)

↑ **4=Emergency Spillway** (Weir Controls 27.29 cfs @ 1.73 fps)

Pond SB-A: Sediment Basin A

Hydrograph





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Poseyville, Indiana 47633
Tel. 800.772.2040
>Fax 812.867.0247
www.nagreen.com
ECMDS v7.0

CHANNEL ANALYSIS

> > > Sediment Basin A - Spillway

Name Sediment Basin A - Spillway
Discharge 27.48
Channel Slope 0.3333
Channel Bottom Width 50
Left Side Slope 3
Right Side Slope 3
Low Flow Liner
Retardence Class C 6-12 in
Vegetation Type Mix (Sod and Bunch)
Vegetation Density Good 65-79%
Soil Type Silt Loam (SM)

SC250

Phase	Reach	Discharge	Velocity	Normal Depth	Mannings N	Permissible Shear Stress	Calculated Shear Stress	Safety Factor	Remarks	Staple Pattern
SC250 Unvegetated	Straight	27.48 cfs	5.88 ft/s	0.09 ft	0.03	3 lbs/ft ²	1.93 lbs/ft ²	1.55	STABLE	E
Underlying Substrate	Straight	27.48 cfs	5.88 ft/s	0.09 ft	0.03	2.2 lbs/ft ²	1.92 lbs/ft ²	1.15	STABLE	E
SC250 Reinforced Vegetation	Straight	27.48 cfs	5.35 ft/s	0.1 ft	0.035	10 lbs/ft ²	2.12 lbs/ft ²	4.72	STABLE	E
Underlying Substrate	Straight	27.48 cfs	5.35 ft/s	0.1 ft	0.035	3 lbs/ft ²	2.1 lbs/ft ²	1.43	STABLE	E

APPENDIX E

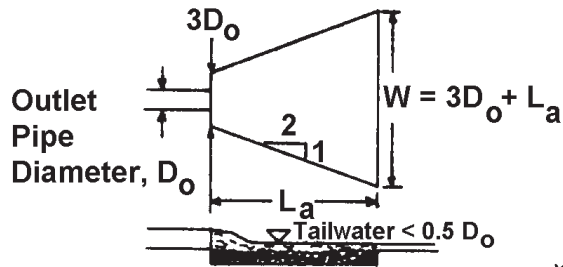
OUTLET PROTECTION CALCULATIONS

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

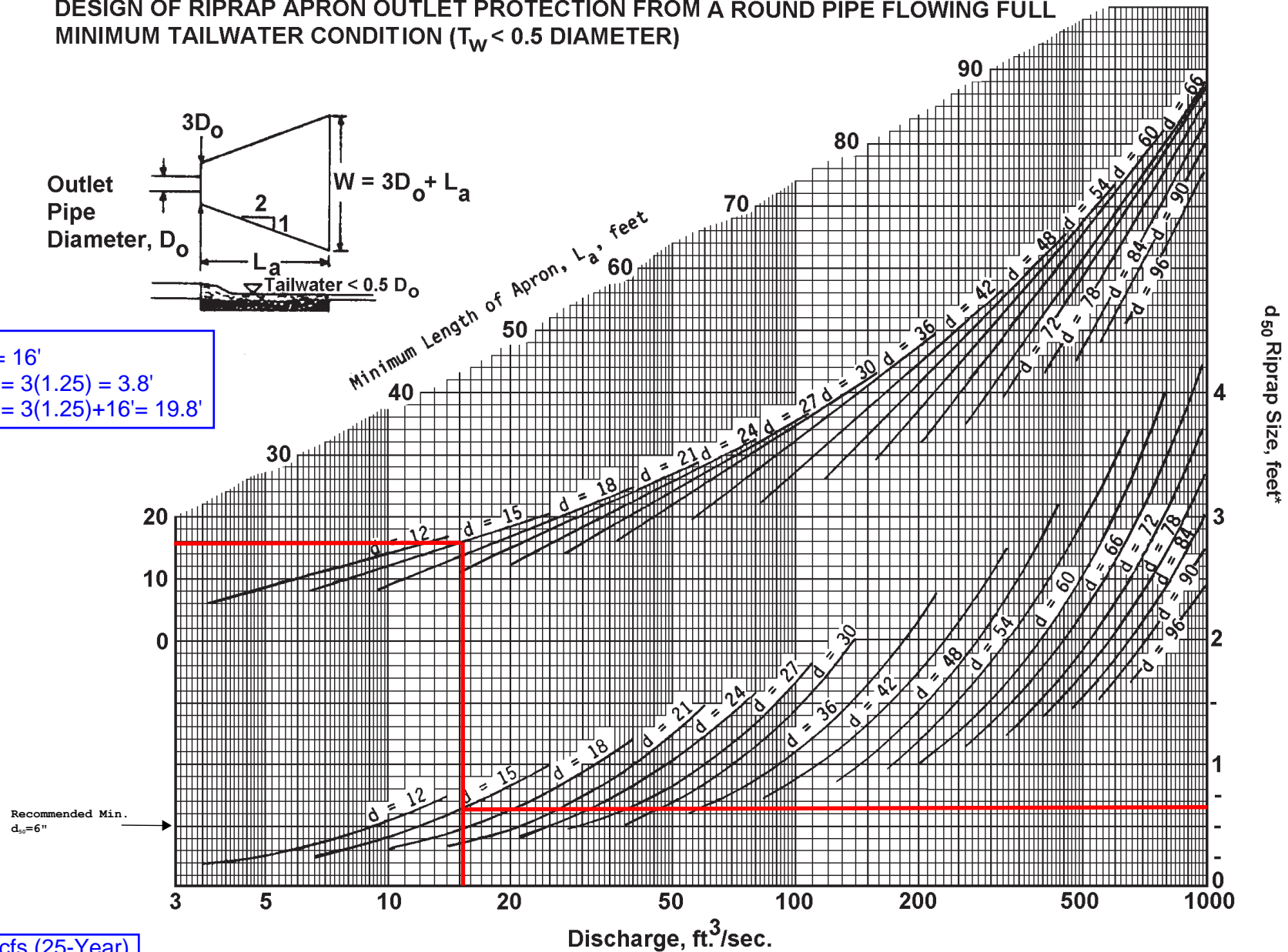
Riprap Apron T1
Sediment Basin A - Outlet Pipe A (15" Dia.)
Free Flows

Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 16'$
 $W1 = 3(1.25) = 3.8'$
 $W2 = 3(1.25) + 16' = 19.8'$



$Q = 15.20$ cfs (25-Year)
(from HydroCAD)

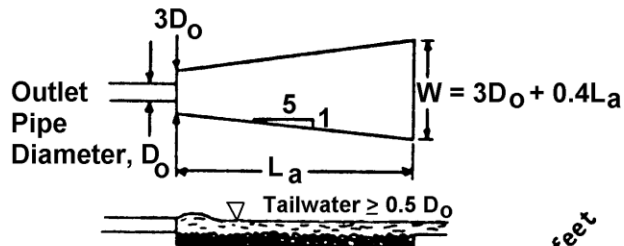
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 9"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

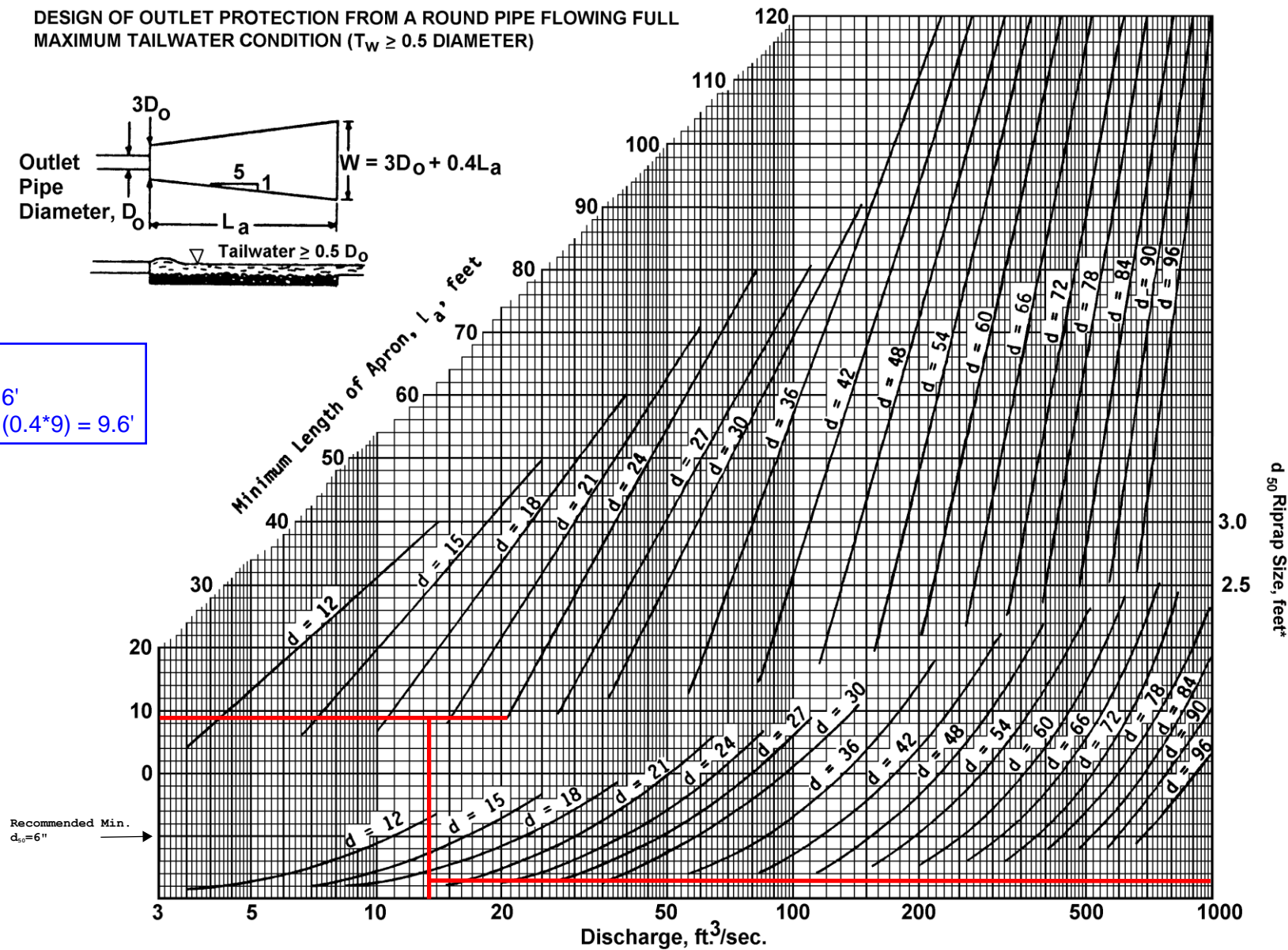
Riprap Apron No. T2
Temporary Channel 1 (Bottom Width = 2')
Flows into Sediment Basin A (25 yr WSEL = 654.81)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 9'$
 $W1 = 3(2') = 6'$
 $W2 = 3(2') + (0.4 \times 9) = 9.6'$



$Q = 13.21$ cfs
(from Channel Flow Spreadsheet)

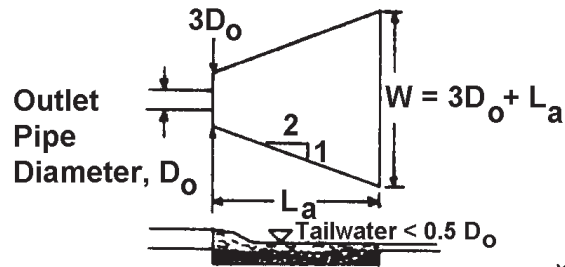
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

Riprap Apron T3
Temporary Channel No. 2 (Bottom Width = 2')
Free Flows

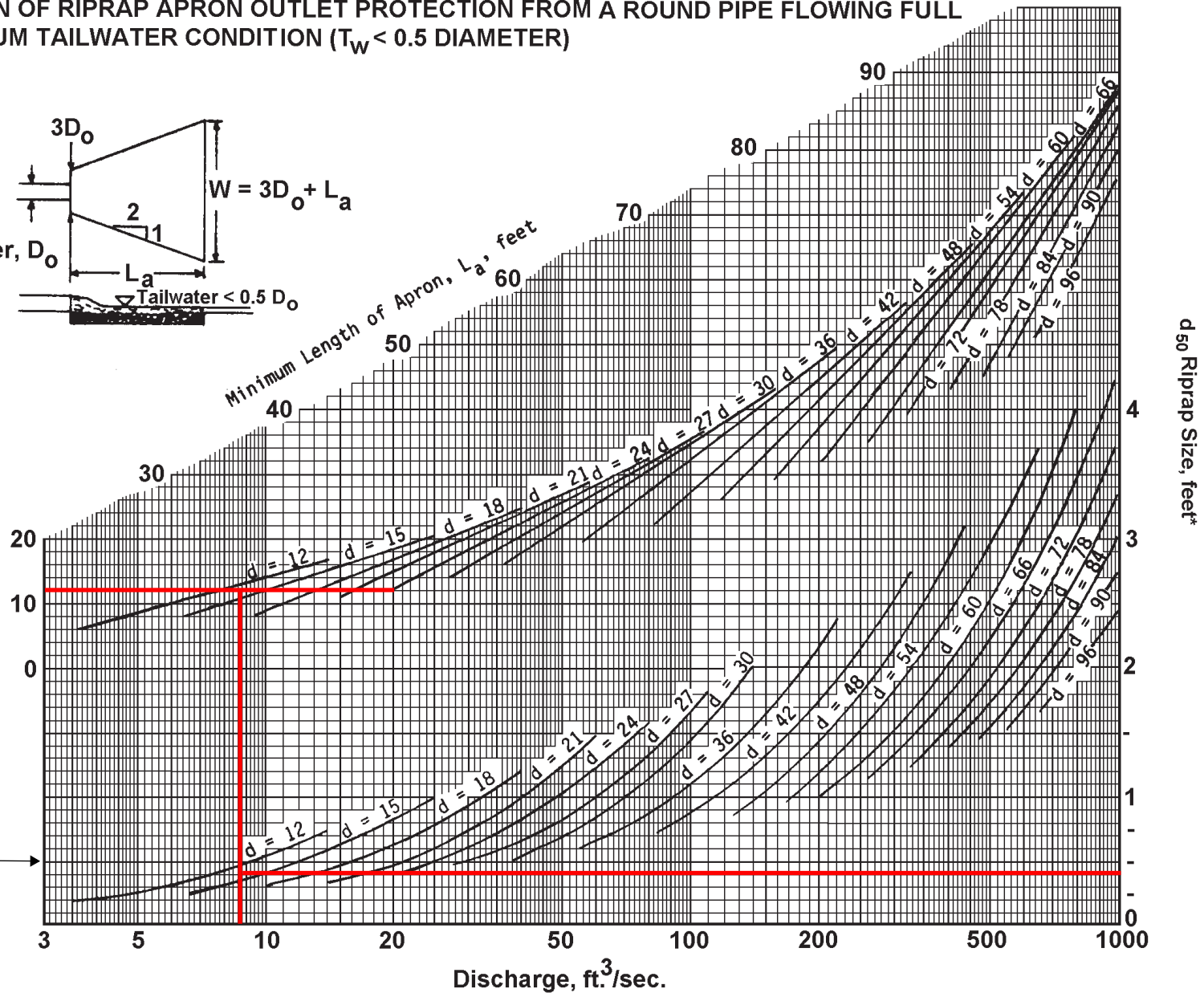
Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 12'$
 $W1 = 3(2) = 6'$
 $W2 = 3(2) + 12' = 18'$

Recommended Min.
 $d_{50} = 6''$



$Q = 8.72$ cfs
(from Channel Flow Spreadsheet)

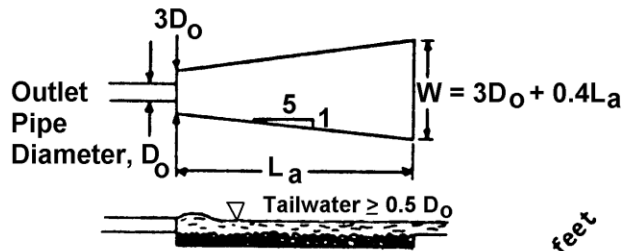
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6''$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

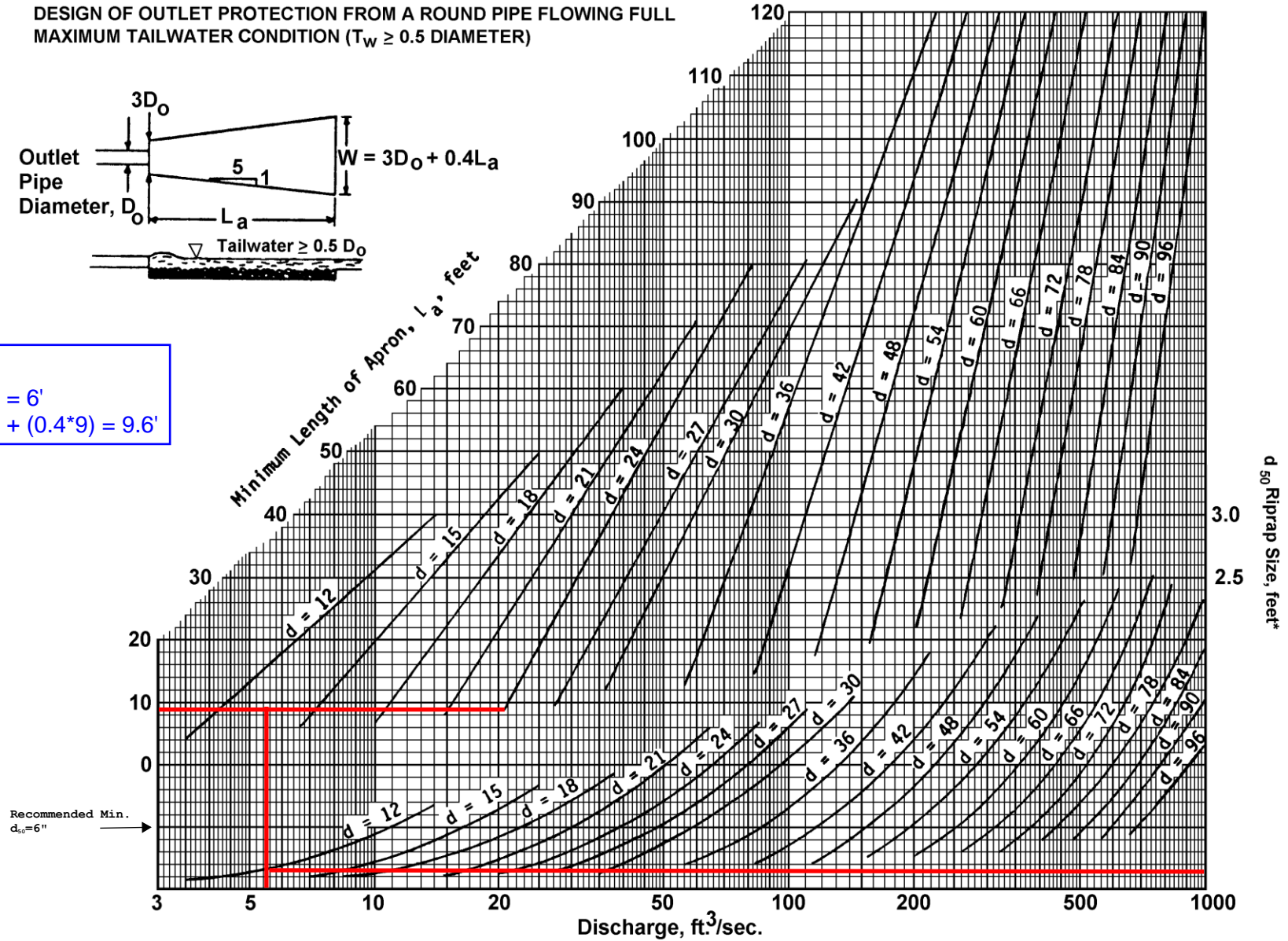
Riprap Apron No. T4
Temporary Channel 3 (Bottom Width = 2')
Flows into Sediment Basin A (25 yr WSEL = 654.81)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 9'$
 $W1 = 3(2') = 6'$
 $W2 = 3(2') + (0.4 \cdot 9) = 9.6'$



$Q = 5.52$ cfs
(from Channel Flow Spreadsheet)

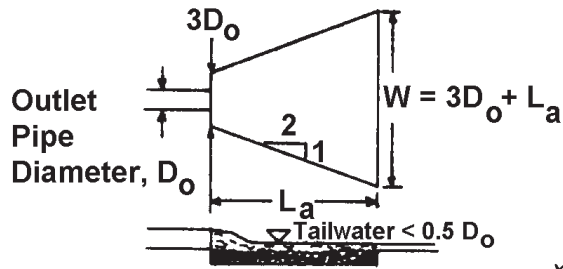
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

Riprap Apron T5
Temporary Dike No. 1 (Bottom Width = 0', Equivalent Diameter = 1.1' -> 12")
Free Flows

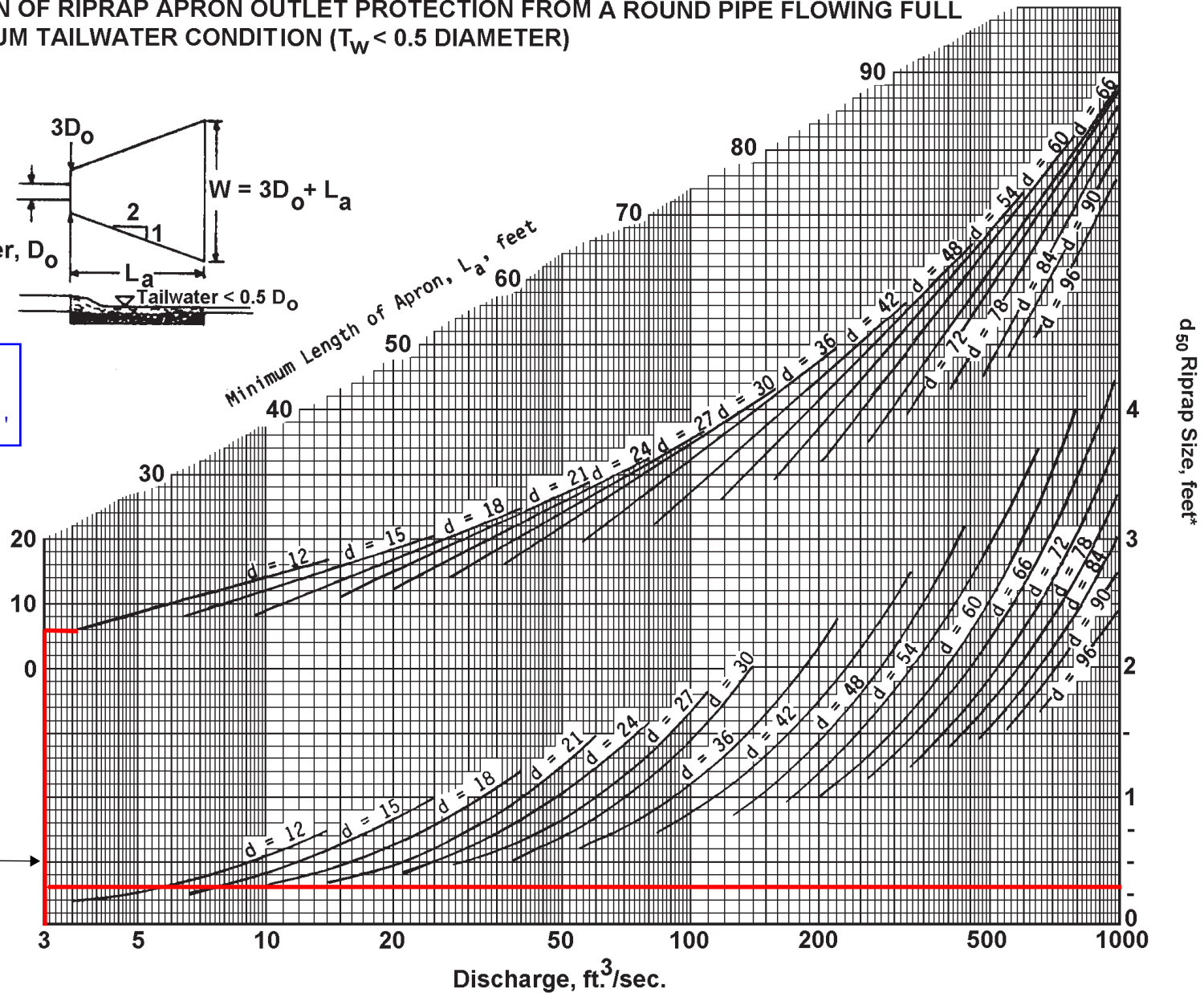
Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 8'$
 $W_1 = 3(1) = 3'$
 $W_2 = 3(1) + 8' = 11'$

Recommended Min.
 $d_{50} = 6''$



$Q = 1.09$ cfs
(from Channel Flow Spreadsheet)

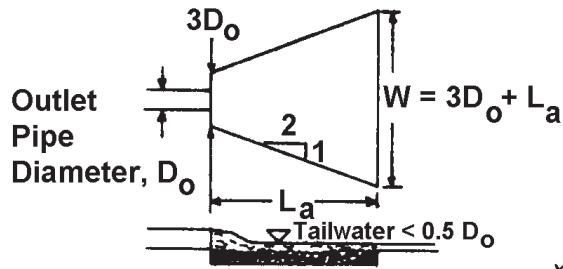
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6''$

PREPARED BY: BJH 4/29/2025
CHECKED BY: JTD 4/30/2025

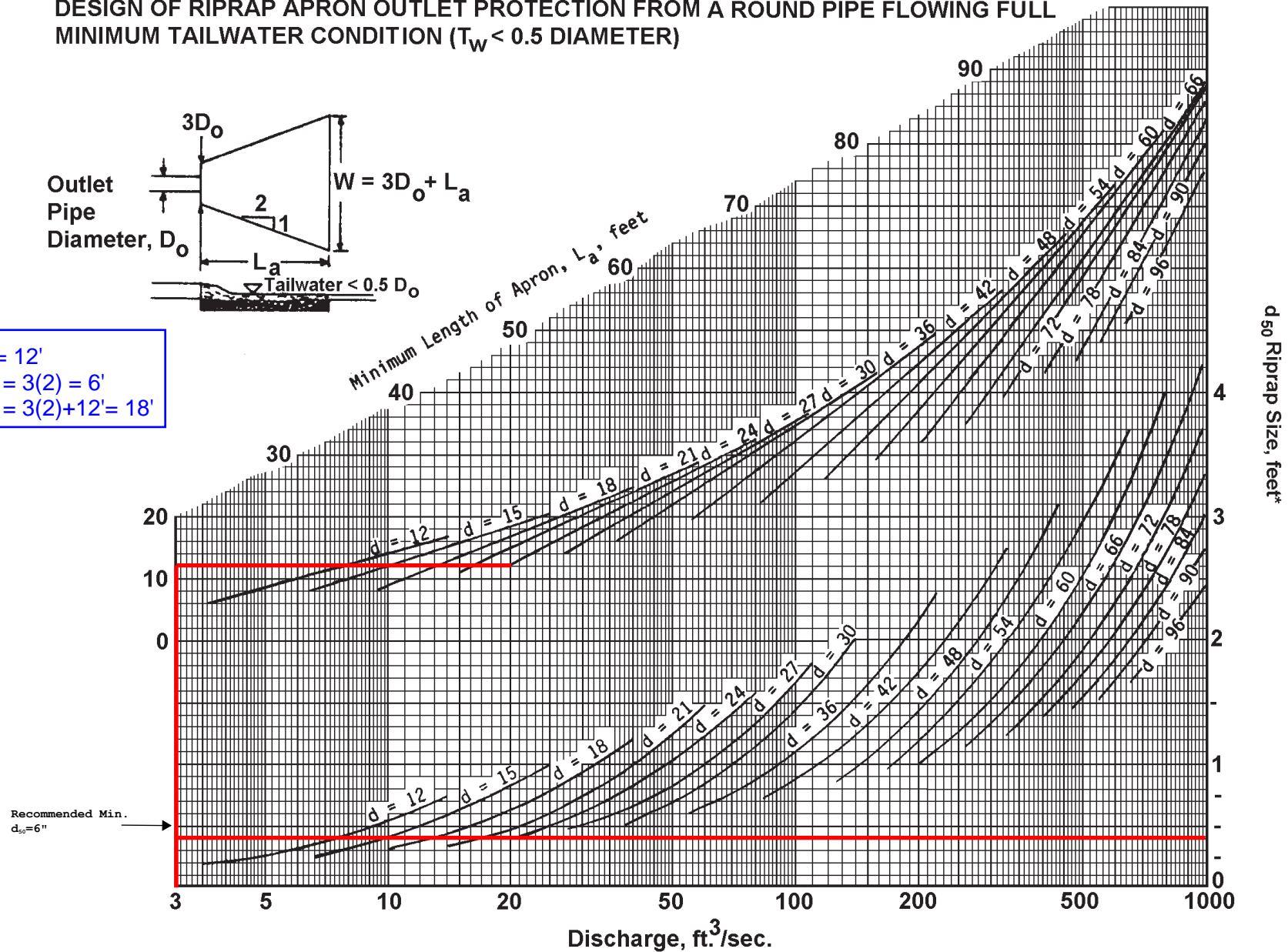
Riprap Apron T6
Compost Filter Sock Diversion Berm No. 1 (Bottom Width = 0', Equivalent Diameter = 1.7' -> 2')
Flows into Compost Filter Sock Sediment Trap No. T1

Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 12'$
 $W_1 = 3(2) = 6'$
 $W_2 = 3(2) + 12' = 18'$



$Q = 2.37$ cfs
(from Compost Filter Sock Diversion Flow Spreadsheet)

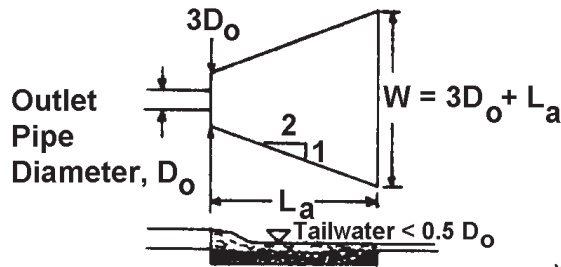
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

Riprap Apron No. P1
Culvert No. 1 (15" Dia.)
Flows into Permanent Channel No. 1A
(Phase 1 Normal Depth = 1.03', Phase 2 Normal Depth = 0.63')
*Phase 2 conditions used in an effort to be conservative.

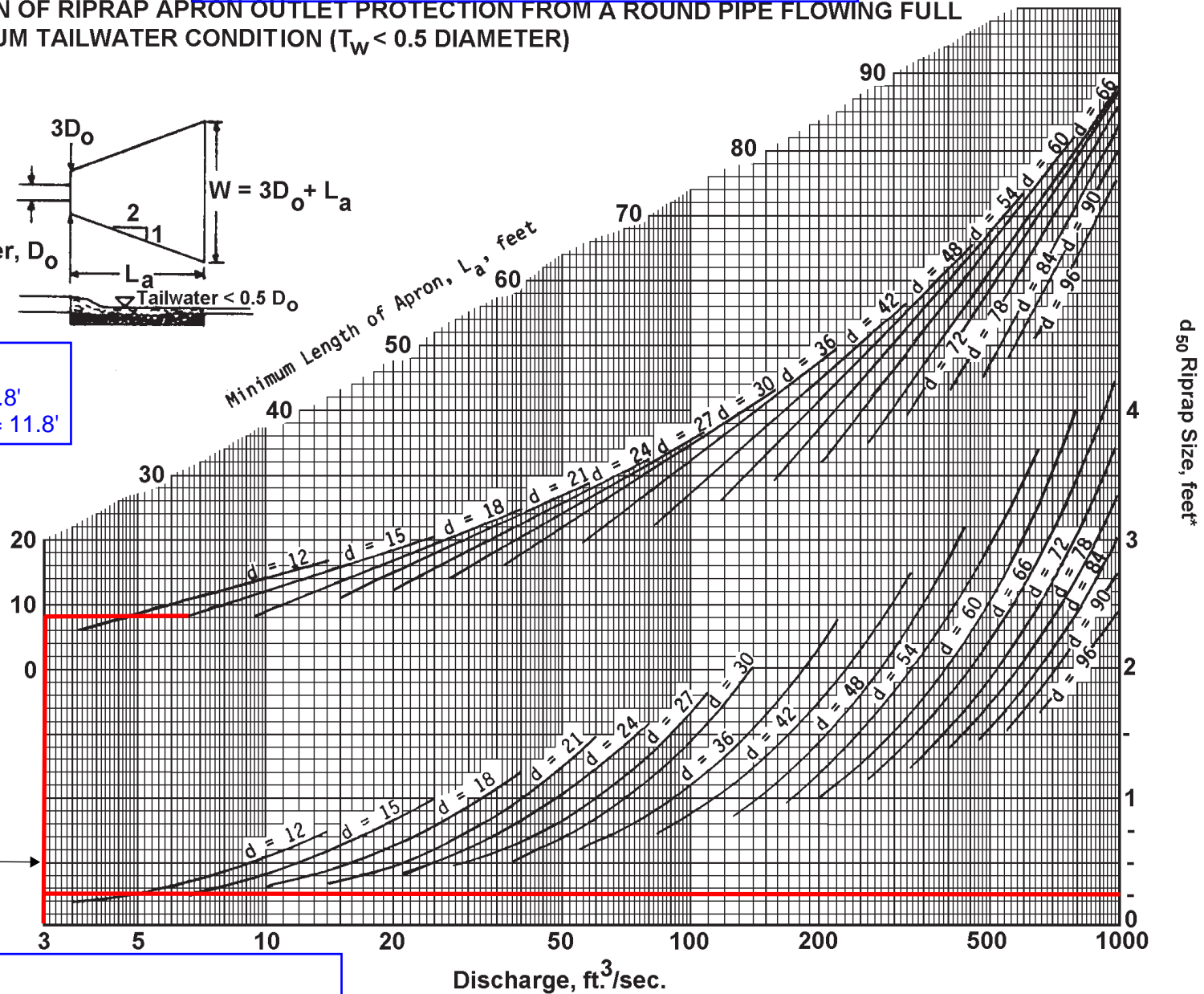
Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 8'$
 $W1 = 3(1.25) = 3.8'$
 $W2 = 3(1.25) + 8' = 11.8'$

Recommended Min.
 $d_{50} = 6"$



$Q = 1.36$ cfs (Phase 1)
 $Q = 1.24$ cfs (Phase 2)
*Phase 1 conditions used in an effort to be conservative
(from Inlet/ Pipe Flow Spreadsheet)

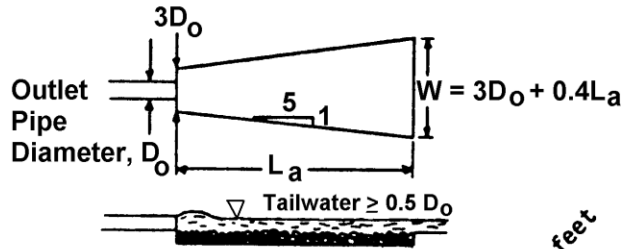
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

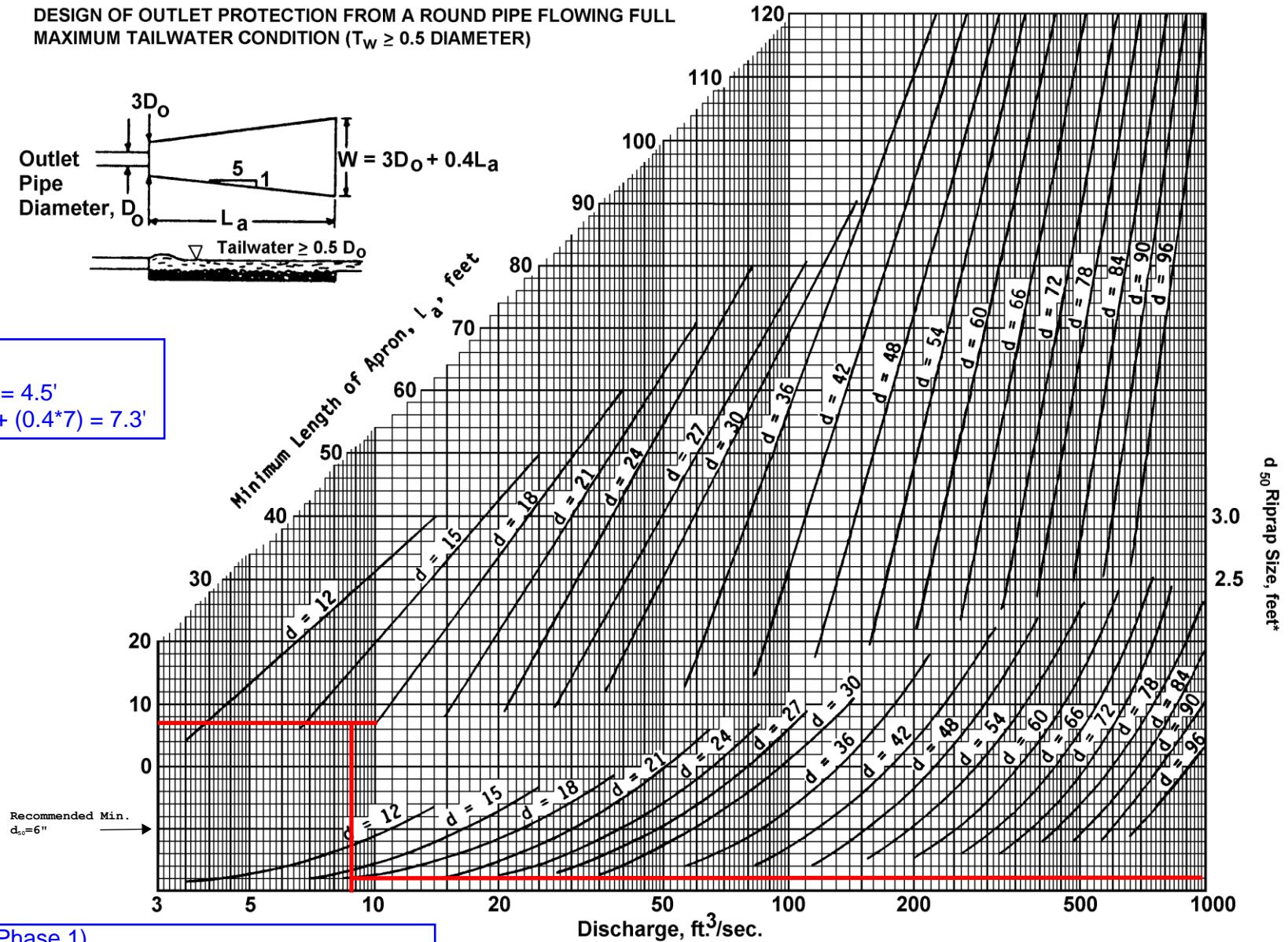
Riprap Apron No. P2
Culvert No. 2 (18" Dia.)
Flows into Permanent Channel No. 1C (Normal Depth = 1.00')
*Phase 1 conditions used in an effort to be conservative.

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 7'$
 $W1 = 3(1.5') = 4.5'$
 $W2 = 3(1.5') + (0.4 \times 7) = 7.3'$



$Q = 8.80$ cfs (Phase 1)
 $Q = 3.05$ cfs (Phase 2)
*Phase 1 conditions used in an effort to be conservative
(from Inlet/ Pipe Flow Spreadsheet)

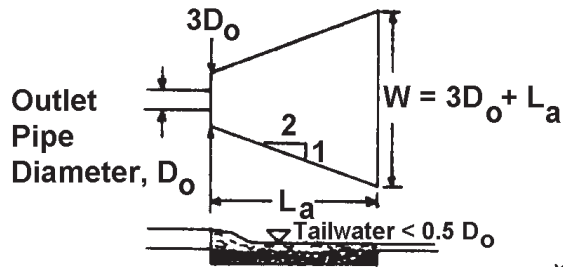
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

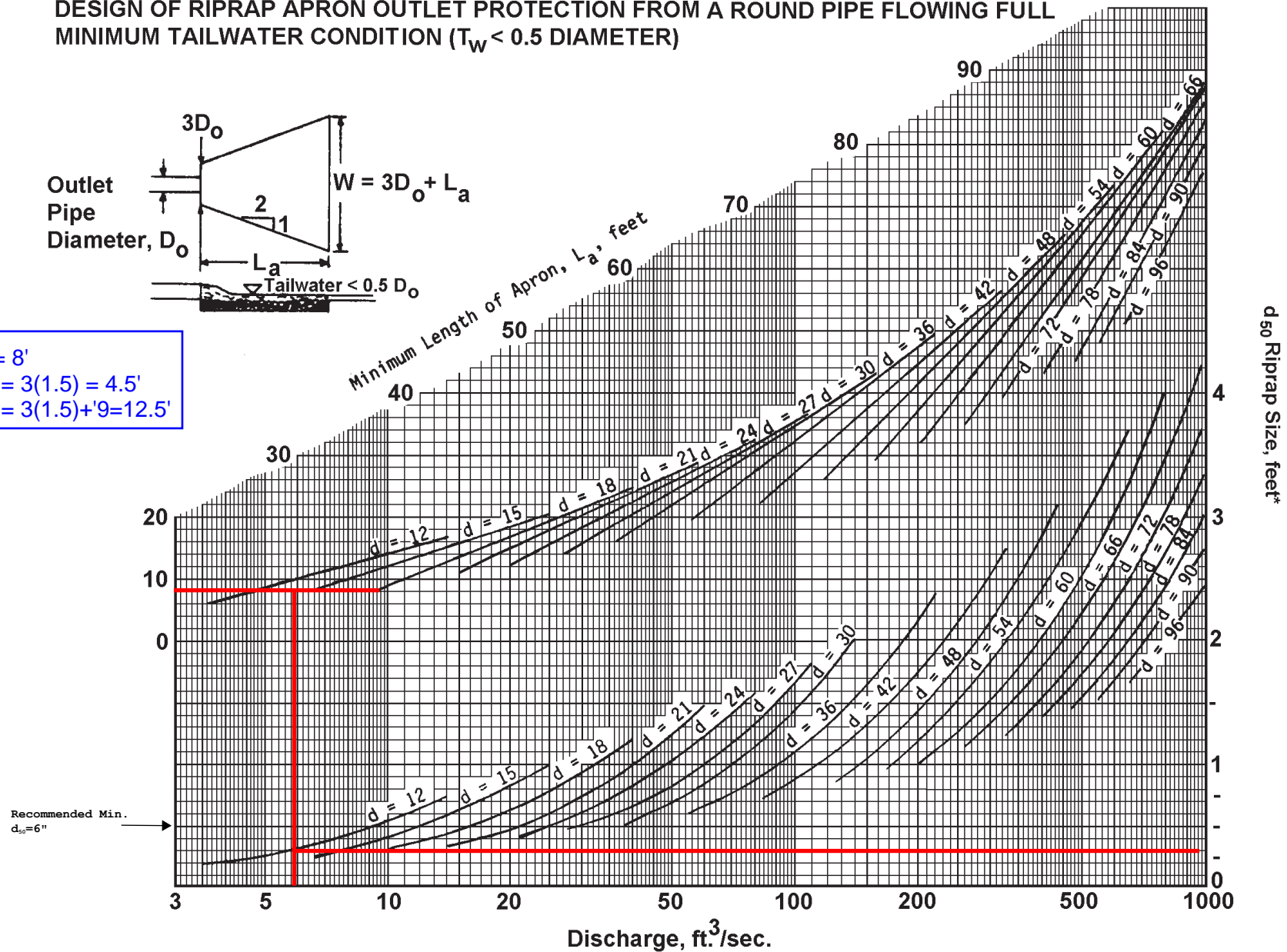
Riprap Apron P3
Extended Detention Pond No. 1 - Outlet Pipe 1 (18" Dia.)
Flows into Level Spreader 1

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)

Source: USDA-SCS



$L_a = 8'$
 $W_1 = 3(1.5) = 4.5'$
 $W_2 = 3(1.5) + 9 = 12.5'$



Extended Detention Pond No. 1 (10-Year) $Q = 5.95$ cfs
(from HydroCAD)

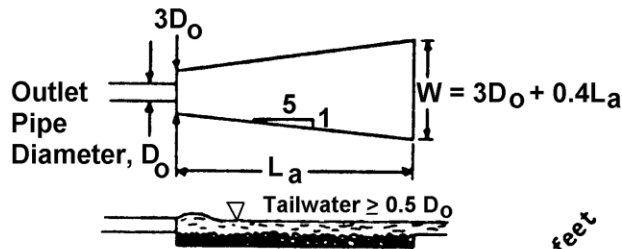
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 9"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

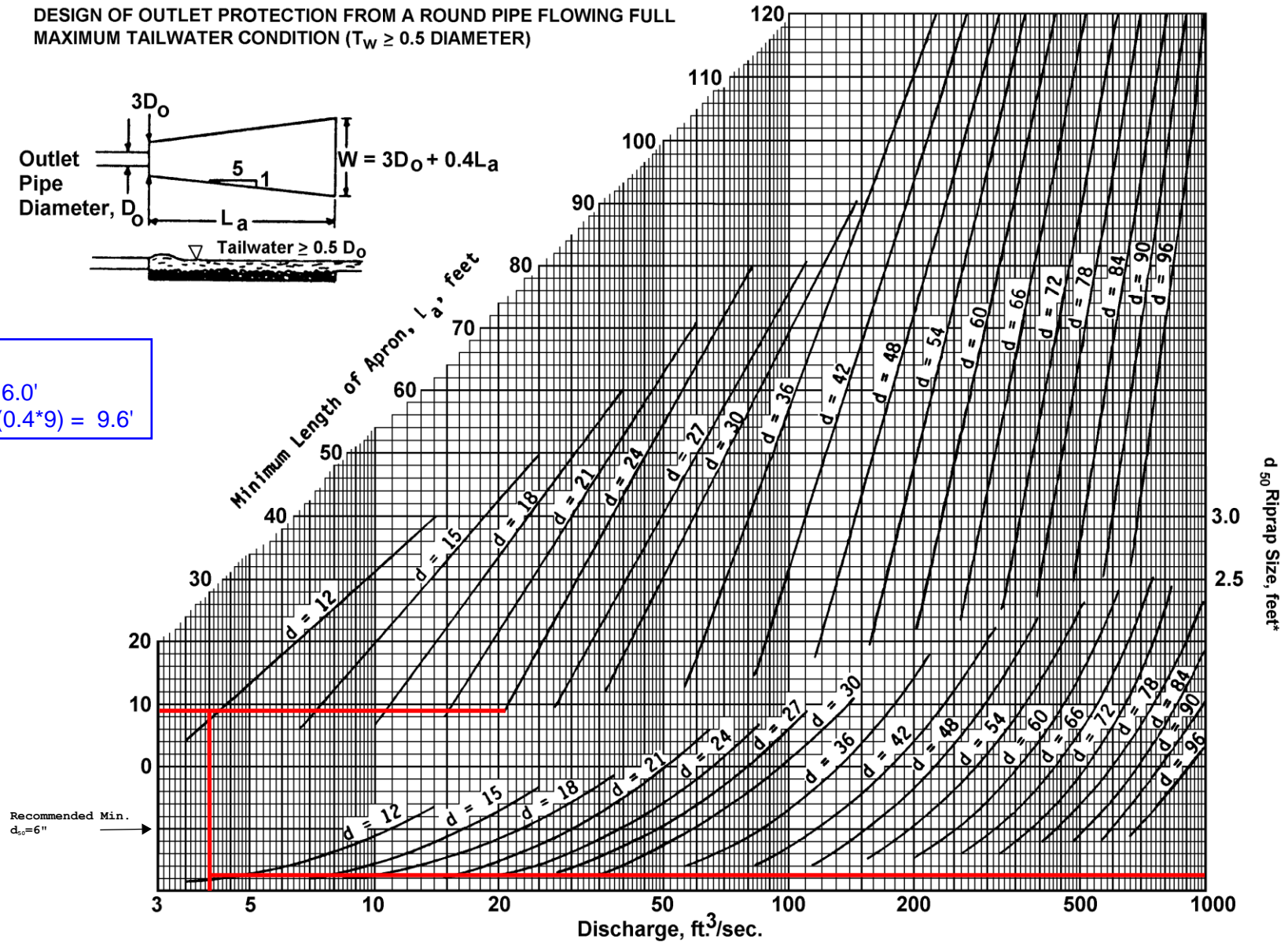
Riprap Apron No. P4
Permanent Channel No. 2 (Bottom Width = 2')
Flows into Extended Detention Pond No. 1
(10-YR WSE = 644.64')

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 9'$
 $W1 = 3(2') = 6.0'$
 $W2 = 3(2') + (0.4 \cdot 9) = 9.6'$



$Q = 3.99$ cfs
(from Channel Flow Spreadsheet)

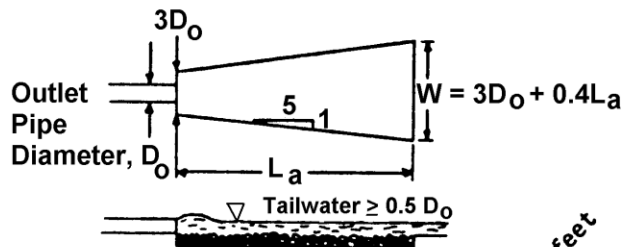
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6''$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

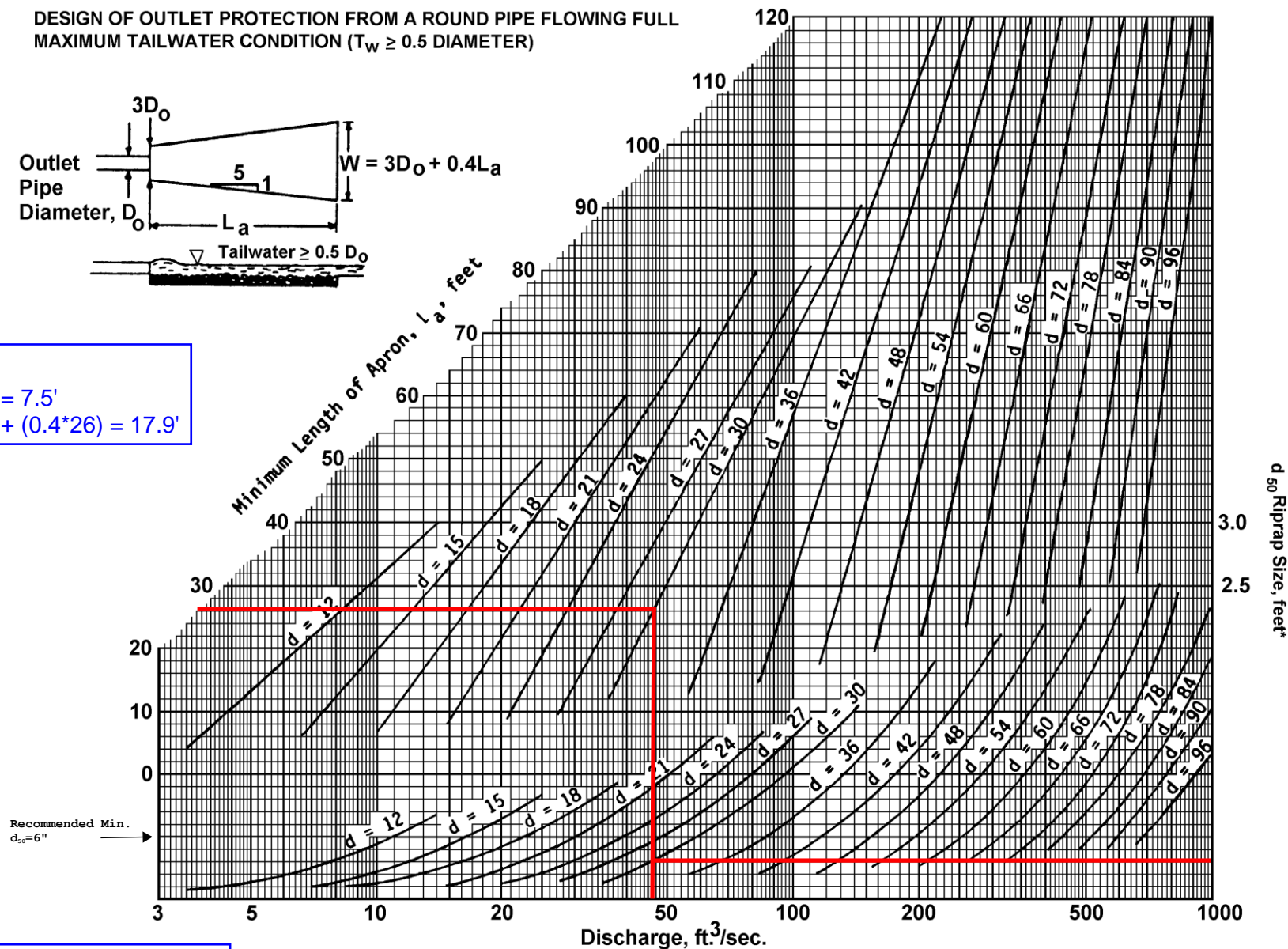
Riprap Apron No. P5
PD-13A (Diameter = 30")
Flows into Extended Detention Pond No. 1
(10-YR WSE = 644.64)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 26'$
 $W1 = 3(2.5') = 7.5'$
 $W2 = 3(2.5') + (0.4 \times 26) = 17.9'$



$Q = 46.19$ cfs
(from Inlet/ Pipe Flow Spreadsheet)

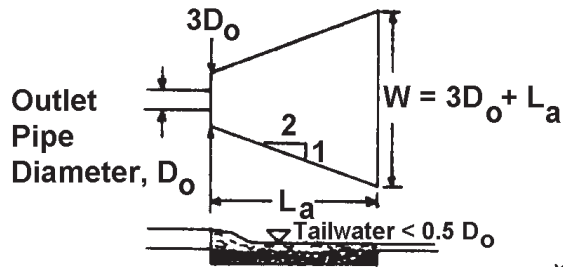
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

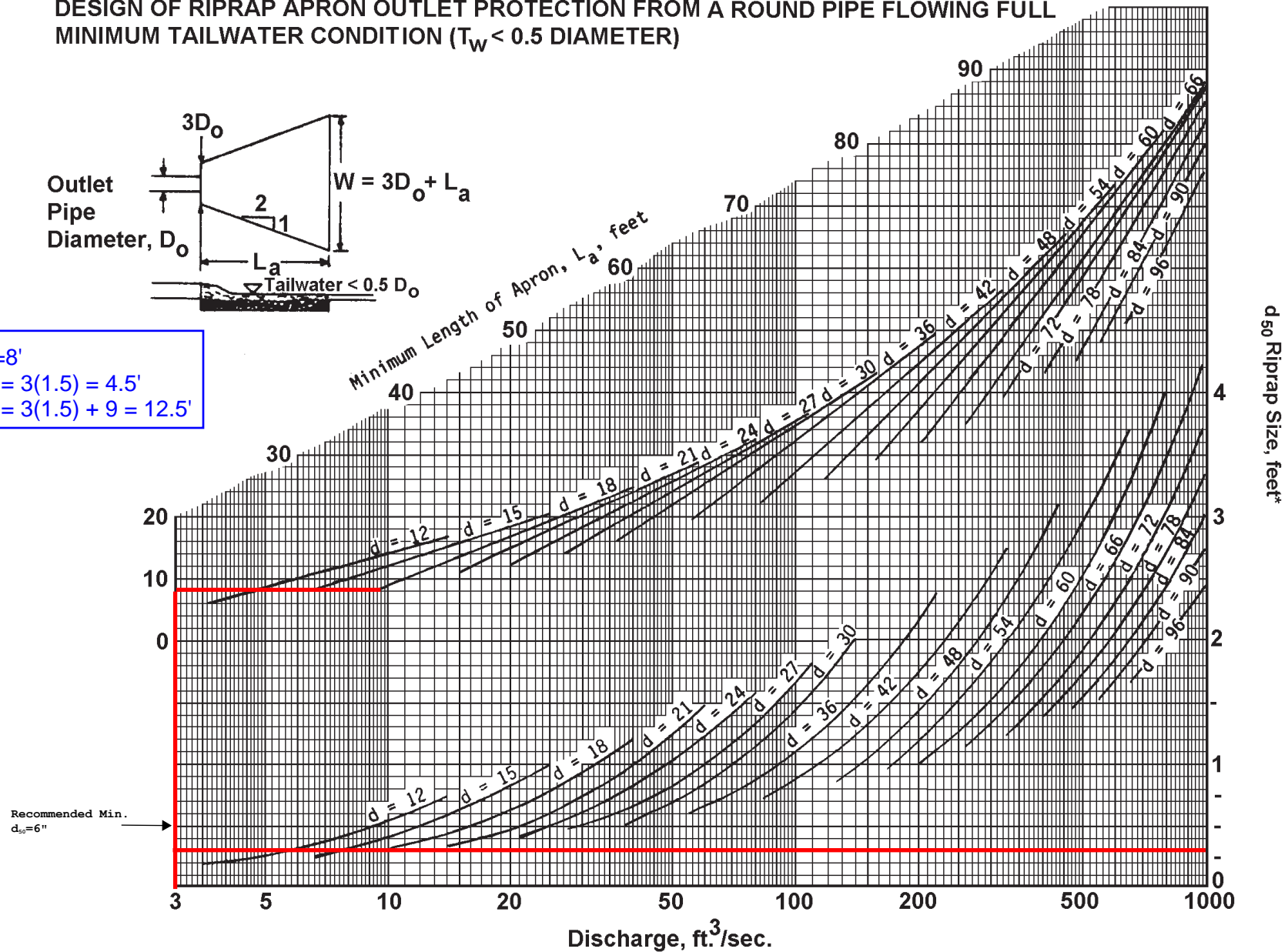
Riprap Apron P6
Extended Detention Pond No. 2 - Outlet Pipe 2 (18" Dia.)
Flows into Level Spreader 2

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)

Source: USDA-SCS



$L_a = 8'$
 $W1 = 3(1.5) = 4.5'$
 $W2 = 3(1.5) + 9 = 12.5'$



Extended Detention Pond No. 2 (10-Year) $Q = 2.78$ cfs
(from HydroCAD)

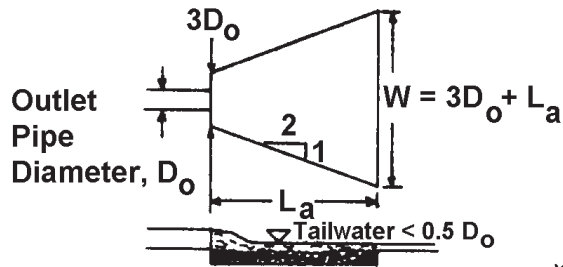
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 9"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

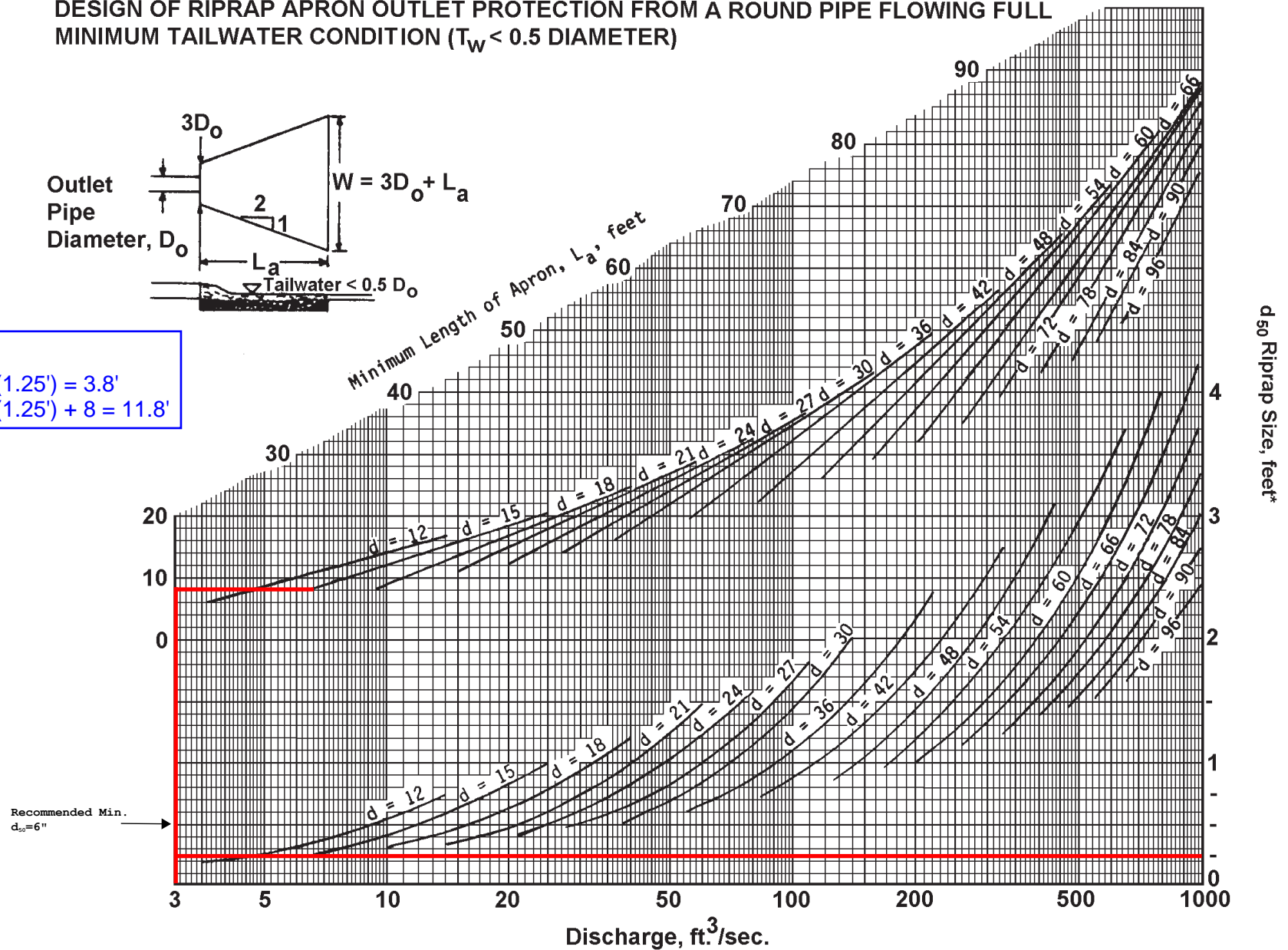
Riprap Apron P7
Extended Detention Pond No. 3 - Outlet Pipe 3 (15" Dia.)
Flows into Level Spreader 4

Source: USDA-SCS

DESIGN OF RIPRAP APRON OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL MINIMUM TAILWATER CONDITION ($T_w < 0.5$ DIAMETER)



$L_a = 8'$
 $W1 = 3(1.25') = 3.8'$
 $W2 = 3(1.25') + 8 = 11.8'$



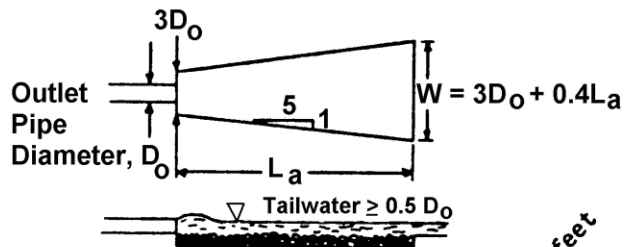
Extended Detention Basin Pond No. 3 (10-Year) $Q = 3.02$ cfs
(from HydroCAD)

Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

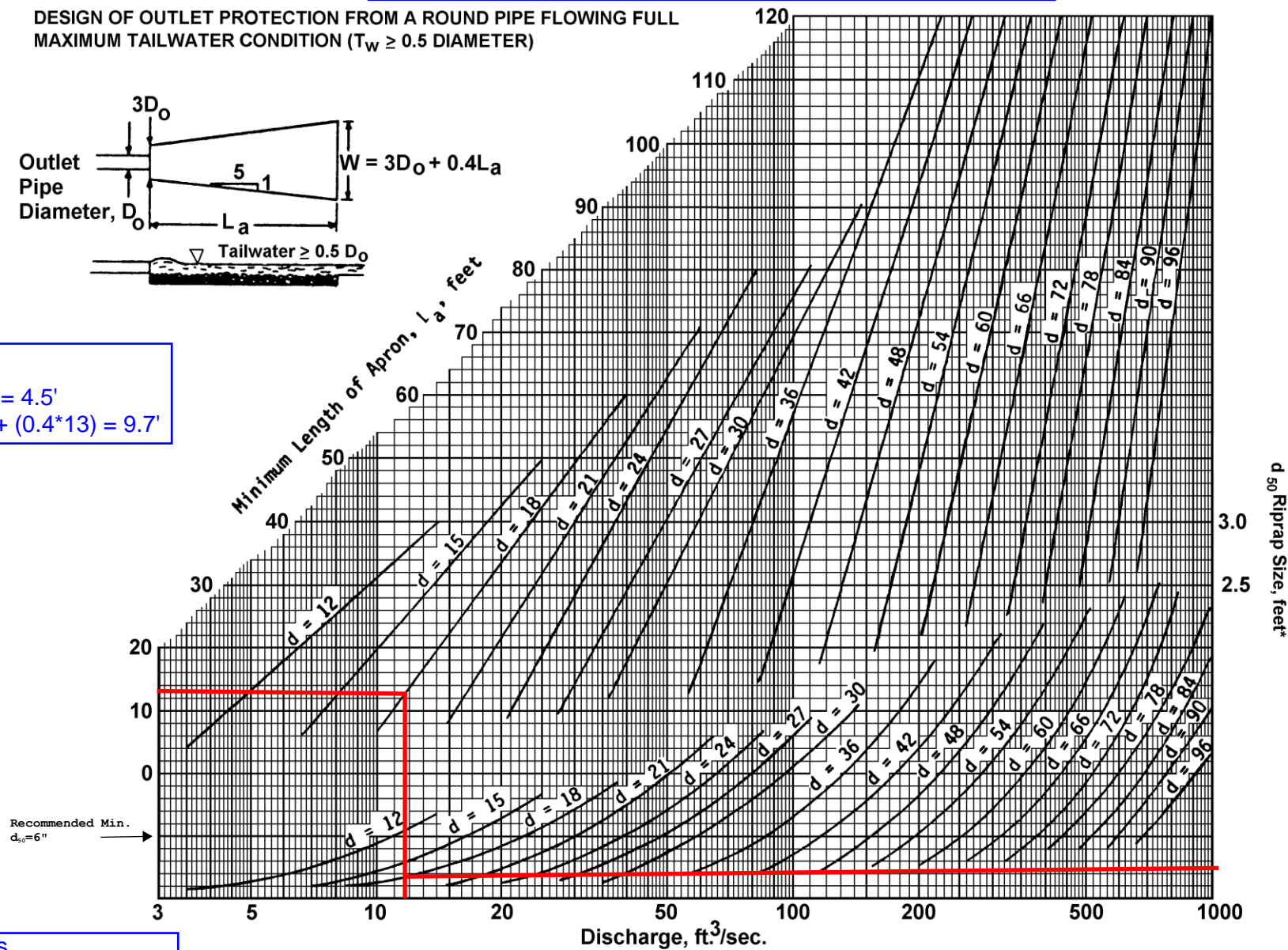
PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

Riprap Apron No. P8
PD-23 (Diameter = 18")
Flows into Extended Detention Pond No. 2 (10 yr WSEL = 622.95)

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 13'$
 $W1 = 3(1.5') = 4.5'$
 $W2 = 3(1.5') + (0.4 \times 13) = 9.7'$



$Q = 11.86$ cfs
(from Inlet Flow Spreadsheet)

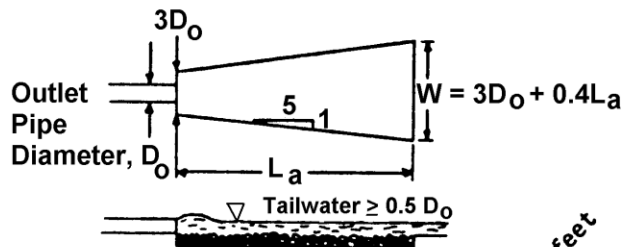
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
 CHECKED BY: JMP 4/17/2025

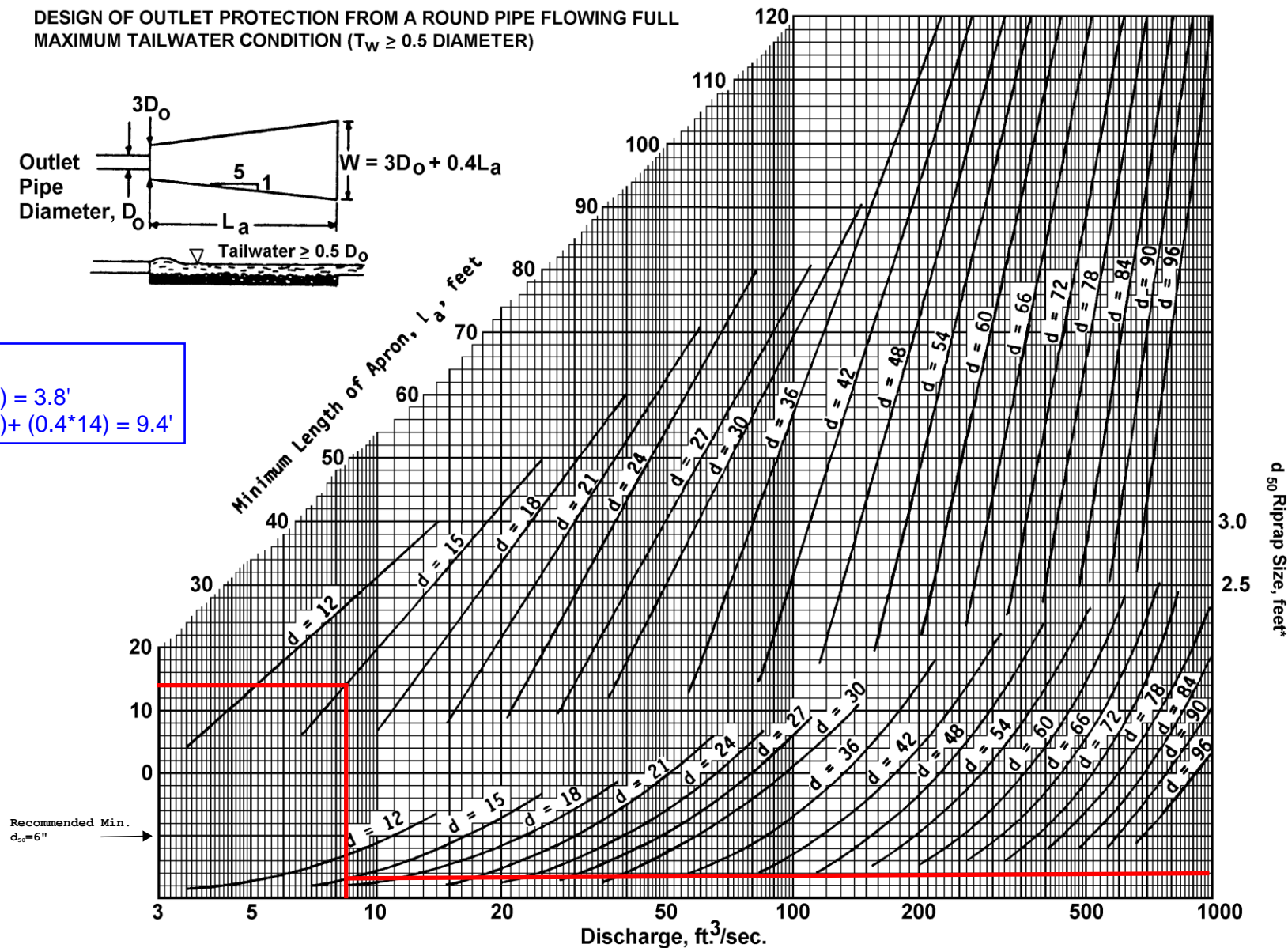
Riprap Apron No. P9
 PD-26 (Diameter = 15")
 Flows into Extended Detention Pond No. 2 (10 yr WSEL = 622.95)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
 MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 14'$
 $W1 = 3(1.25') = 3.8'$
 $W2 = 3(1.25') + (0.4 \cdot 14) = 9.4'$



$Q = 8.29$ cfs
 (from Inlet Flow Spreadsheet)

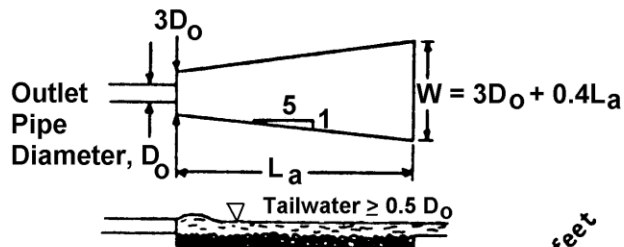
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: BJH 4/10/2025
CHECKED BY: JMP 4/17/2025

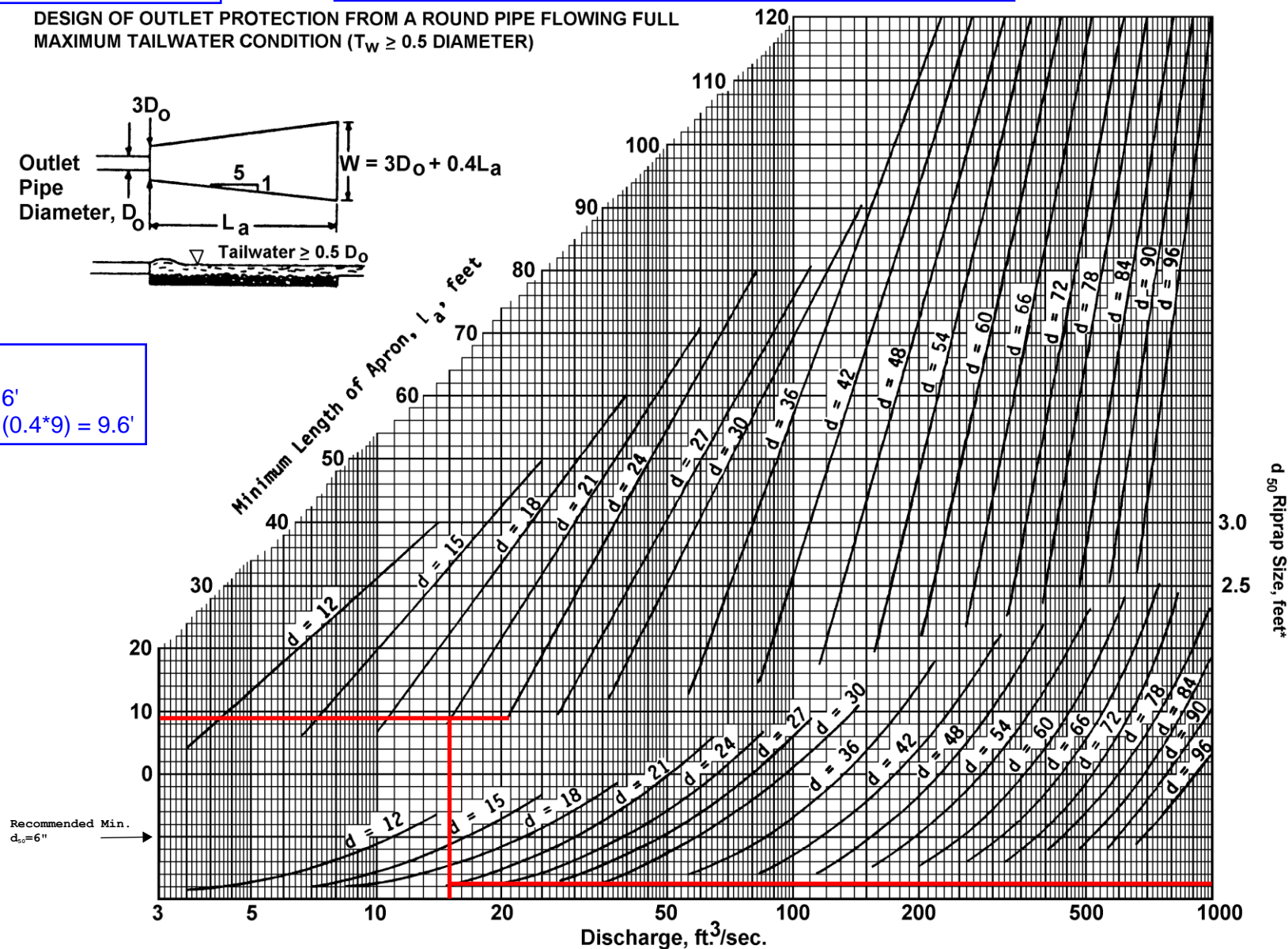
Riprap Apron No. P10
PD-18 (Diameter = 24")
Flows into Extended Detention Pond No. 3 (10yr WSEL = 648.21)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 9'$
 $W1 = 3(2') = 6'$
 $W2 = 3(2') + (0.4 \times 9) = 9.6'$



$Q = 15.19$ cfs
(from Inlet Flow Spreadsheet)

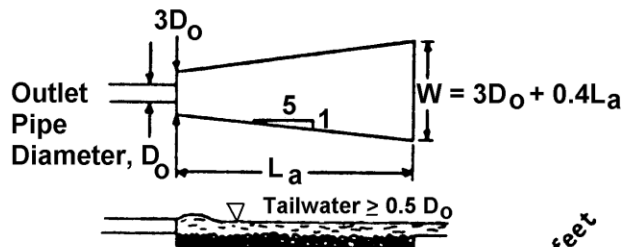
Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

PREPARED BY: VMF 05/08/2025
CHECKED BY: BJH 05/08/2025

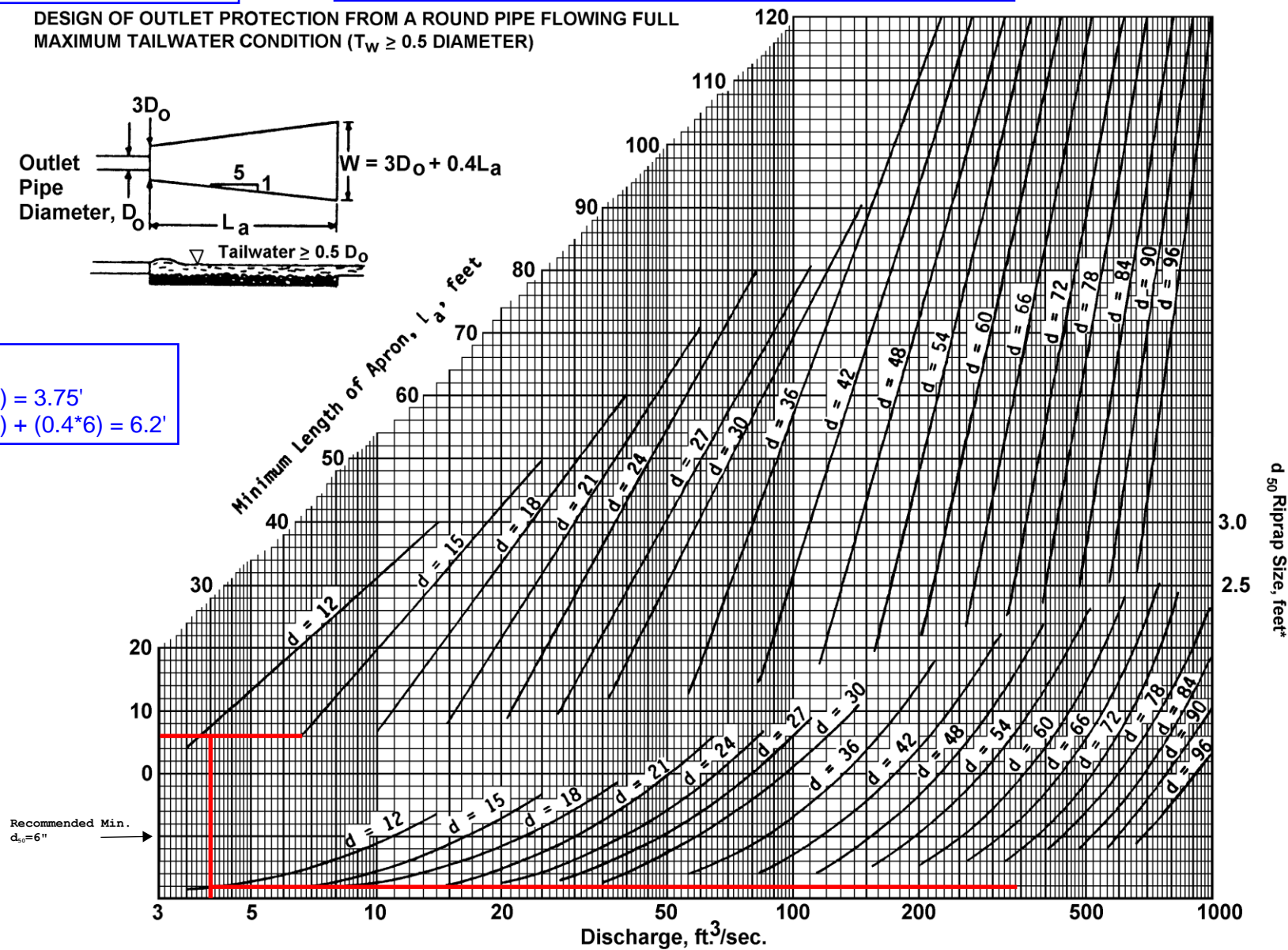
Riprap Apron No. P11
Culvert No. 3 (15" Dia.)
Flows into Extended Detention Pond No. 1 (10yr WSEL = 644.64)

Source: USDA-SCS

DESIGN OF OUTLET PROTECTION FROM A ROUND PIPE FLOWING FULL
MAXIMUM TAILWATER CONDITION ($T_w \geq 0.5$ DIAMETER)



$L_a = 6'$
 $W1 = 3(1.25') = 3.75'$
 $W2 = 3(1.25') + (0.4 \times 6) = 6.2'$



$Q = 4.01$ cfs (Phase 2)
(from Inlet/ Pipe Flow Spreadsheet)

Larger aprons may be provided based on site conditions. Refer to Plan Set.
 $d_{50} = 6"$

APPENDIX F

LEVEL SPREADER CALCULATIONS

SEDIMENT BARRIER DEVICE SIZING

PROJECT NAME: **Compressor Station 165**
 LOCATION: **Pittsylvania County, Virginia**
 PREPARED BY: **JMP** DATE: **5/6/2025**
 CHECKED BY: **BJH** DATE: **5/8/2025**

LEVEL SPREADER	INFLUENT PIPE DATA		SHEET FLOW VALUES					CALCULATED LEVEL SPREADER DIMENSIONS				LEVEL SPREADER HYDRAULIC CALCULATIONS		
	FLOW ¹ (CFS)	D (IN)	Land Slope (feet/foot)	Hydraulic Radius, R	Flow Area (SF)	Mannings n*	Wetted Perimeter, P	H _w ² (FT)	C _w ³	X ⁴ (FT)	L _{LS} ⁵ (FT)	H ⁶ (FT)	H* ⁷ (FT)	V ⁸ (FPS)
No. 1 (ED Pond No. 1)	5.95	18	0.10	0.10	6.00	0.011	60.20	0.1	3.3	12.5	60	0.10	0.06	0.0224
No. 2 (ED Pond No. 2)	2.78	18	0.10	0.10	3.00	0.011	30.20	0.1	3.3	12.5	30	0.09	0.06	1.5046
No. 3 (ED Pond No. 3)	3.02	15	0.10	0.10	3.00	0.011	30.20	0.1	3.3	11.8	30	0.10	0.07	1.5467

Notes:

1. 10-YEAR 24 HOUR POST DEVELOPMENT PEAK FLOW RATE (CFS)
2. DEPTH OF WATER IMMEDIATELY UPSLOPE OF THE LEVEL SPREADER IN FEET (ASSUME 0.1')
3. DENOTES WEIR COEFFICIENT (ASSUME 3.3 FOR RECTANGULAR WEIR)
4. DENOTES WIDTH OF OF LEVEL SPREADER (RIPRAP APRON TERMINAL WIDTH).
5. DENOTES LENGTH OF OF LEVEL SPREADER (minimum level spreader length is 10 feet; maximum level spreader length is 200 feet)
6. HEAD "H" CALCULATED BY THE USING THE WEIR EQUATION $Q=C_w*L*H^{3/2}$
7. HEAD OVER CUTOFF WALL "H*" CALCULATED BY THE USING THE WEIR EQUATION $H*=(2/3)*H$
8. VELOCITY OVER CUTOFF WALL "V" CALCULATED BY USING $V=(1.486/n)*R^{2/3}*S^{1/2}$