



# Virginia Conservation Assistance Program

Powered by Virginia Association of Soil & Water Conservation Districts

Application Number \_\_\_\_\_

## APPLICATION VCAP Form 1

### Part A. Application

I, \_\_\_\_\_ (PRINT) hereby make application to \_\_\_\_\_ Soil & Water Conservation District for cost-share assistance to purchase and install a best management practice as described in part B below.

I agree that all best management practice(s) approved will be installed, operated, and maintained in accordance with the practice(s) standard(s) and the Landowner Agreement (VCAP Form 3). I agree not to use the BMP for purposes of Nutrient Trading or regulatory compliance. I shall indemnify and save the District harmless from any and all claims for damages to persons or property arising from the installation, maintenance, repair, operation or use of the BMP(s).

I understand that it is my responsibility to pay in full all bills for work completed under this agreement prior to submission of eligible bills for reimbursement.

I understand that VCAP cost-share funds may be combined with other grant or cost-share resources, but may not exceed one hundred percent (100%) of total costs for the practice.

Mailing Address:	Phone: _____
Address of Practice (if different from mailing address):	Email: _____
Applicant Signature: _____	Are you receiving any other funding assistance for this project? Yes or <u>No</u>

IRS Form 1099-MISC (Attach 1099-MISC Form W-9): \* Conservation Landscaping

THE VIRGINIA SOIL & WATER CONSERVATION DISTRICT (SWCD) is required to issue a 1099-MISC to the Internal Revenue Service (IRS) for any individual to whom it issues a check for \$600.00 or greater. Because the IRS uses the Social Security number or Federal Tax ID number as a unique identifier, the SWCD must collect that information from any individual to whom it issues a check. The SWCD does not use the Social Security number or Federal Tax ID number for any purpose other than that stated above.

### Part B. Technical Determination and District Approval (To be completed by District Staff)

Practice Code & Title	Practice Size (sq. ft., lin. ft., gal)	Total Estimated Cost	Approved Estimated Cost-Share	Required Completion Date
Conservation Landscaping CL-3	900 SF	\$4,827.00	\$3,500.00	June 1, 2020

I have reviewed this application and all supporting documentation and have indicated the quantity authorized based on technical need. This practice must be installed and certified by the completion date.

X \_\_\_\_\_ 11/21/19  
District Employee Signature Date

Approval to Forward Application: X \_\_\_\_\_ Date

District Director Signature



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Application Number

## JOB SHEET

### VCAP Form 2

This Job Sheet is to be filled out by District technical staff. Please document any information that helps to describe any unique aspects of the project from design to completion. The Job Sheet is an active document and will need to be updated as the project progresses. It will document the installed practice and must be submitted to the Program Coordinator at project completion. If completed project differs from the original design approved by the Steering Committee, explain and justify the changes on this Job Sheet.

### Tracking and Reporting:

Property Owner: \_\_\_\_\_ Address: \_\_\_\_\_  
 Representative (if applicable): \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Hydrologic Unit Code: \_\_\_\_\_ GPS Coordinates: \_\_\_\_\_  
 Practice Code & Description: Conservation Landscaping-mulched beds (CL-3)  
 Dominant Land Use Treated: approximately 5,216 SF  
 Contributing Drainage Area (sq. ft.): approx. 5,216 SF Impervious Area Treated: (sq. ft.): approx. 4,500 SF  
 Practice Size (sq. ft., lin. ft., gal.): 900 SF Impervious Surface Removed (sq. ft.): N/A  
 Installation Date: Spring 2019

**Site Assessment:** Describe the current conditions of the site, landowner goals/concerns, resource concern needing to be addressed, and the proposed water quality benefit of the project. Note all ranking considerations and attach ranking spreadsheet. Include photo documentation of site conditions and resource concerns. (Describe or attach.) Ranking Score: 69.4

The site is currently managed for turf grass and is poorly vegetated with erosion and bare spots.

Lake, which leads to \_\_\_\_\_ Creek, will be buffered with natives. Eroded areas are present along bank and conservation landscaping practice will cover and protect bare areas with natives suited for the site conditions.





**Several bare areas along bank.**



**Currently, the site is managed for turf grass.**



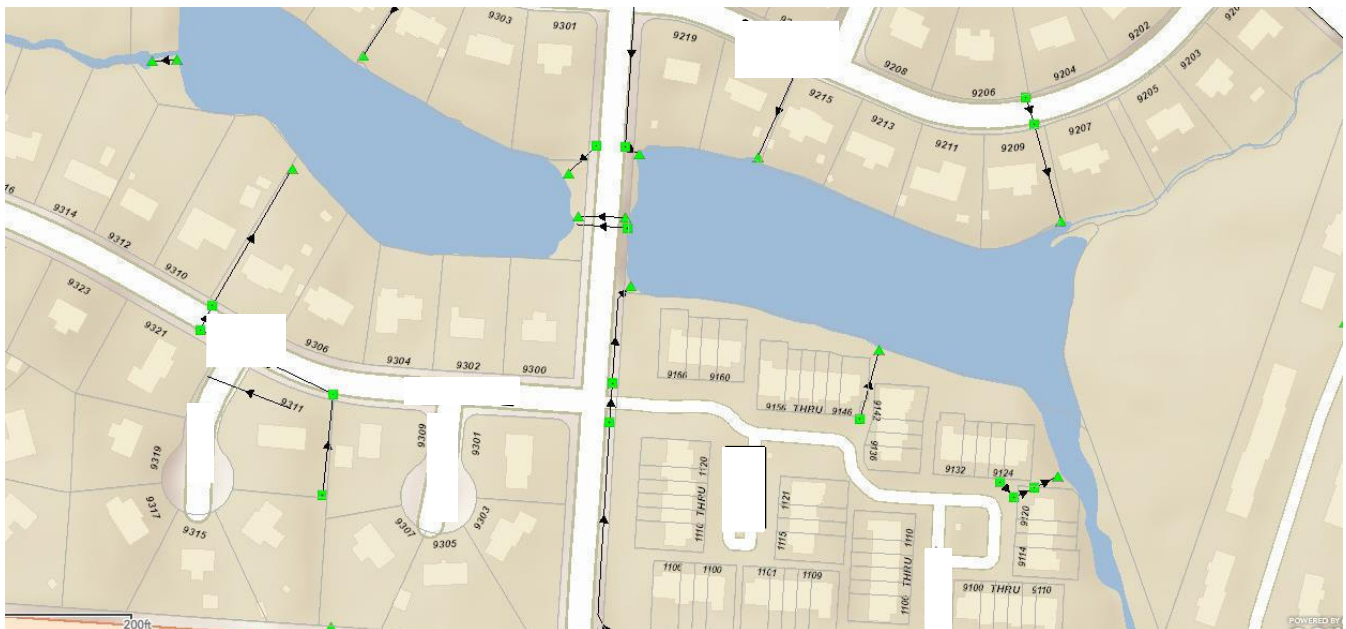
**Project Layout:** Attach an aerial of site and sketch or outline the practice layout, contributing drainage area, impervious area treated, location and flow paths of downspouts/channels, and any known utilities or rights-of-way. Note the proximity to waterways or stormwater conveyance systems. **(Describe or attach.)**



Approximate locations of proposed planting beds at most eroded areas along Lake.



Approximately 4,500 square of impervious surface will be captured; collecting road, home and sidewalk runoff from entering Lake.

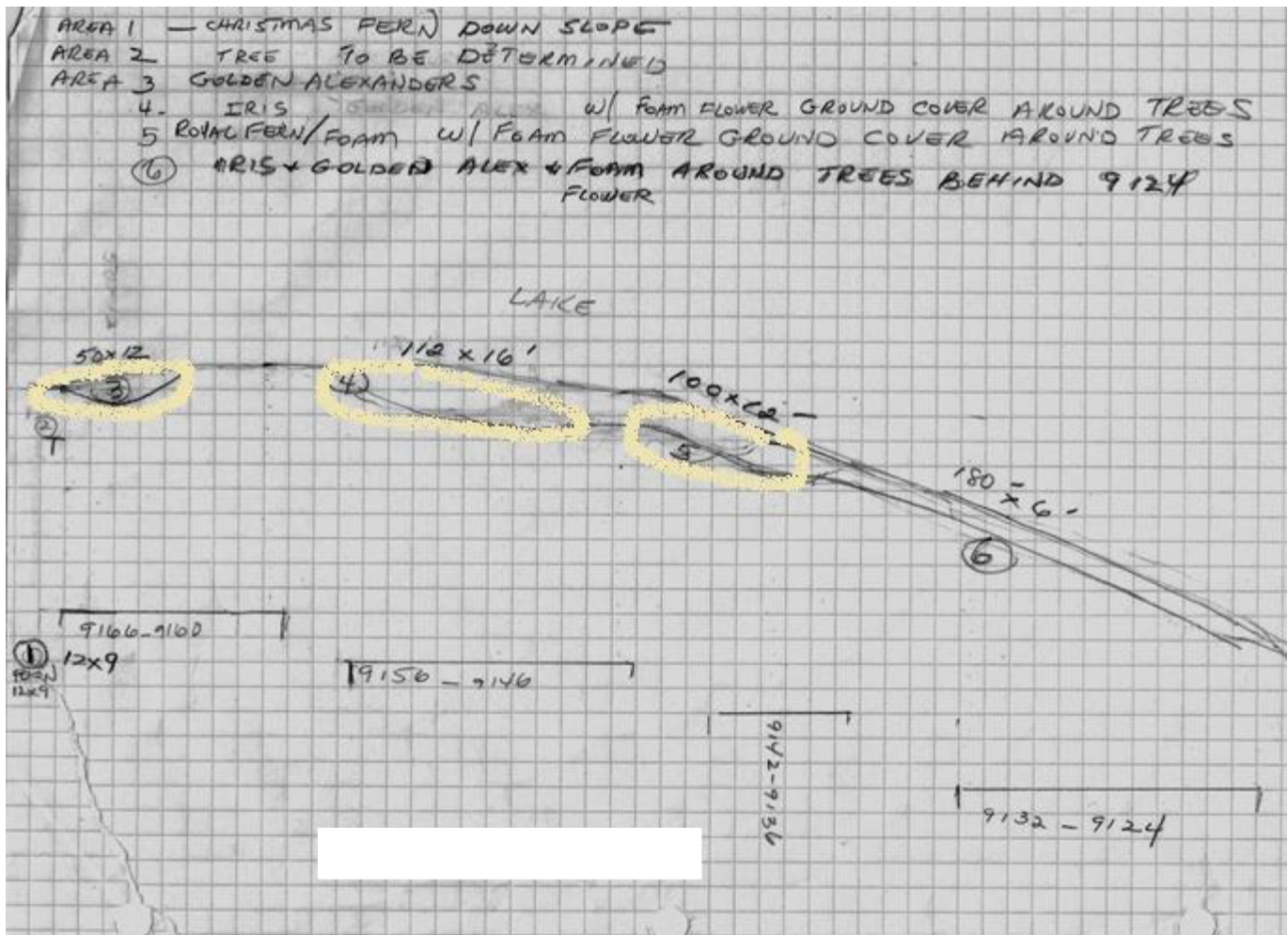




Application Number



**Design and Specification:** Include sizing calculations, practice dimensions, soil evaluation results, site preparation plan, pretreatment measures, outlet and overflow, cross section and profile, planting plan (with scientific names), and cost estimates. (Describe or attach.)



Three areas (Area 3, 4 and 5) along shore will be converted from turf grass and bare areas to mulched beds with native plants. Areas will be prepared for planting beds which includes removing and disposing of grass and grading certain areas. Plants are selected from the Virginia Region Native Plant List, listed below:



WHITE ALDER - PEPPER BUSH  
3-8 -  
MOIST - WET SOIL  
JULY - AUG



AMERICAN BEAUTYBERRY  
3-6 -  
JUNE - AUG (BERRIES SEPT - MARCH)  
FULL SUN - PART SHADE



YIBURNUM ACERFOLIUM  
4-6 -  
APRIL - AUG



EVERGREEN TOYBERRY  
7-10 -  
APRIL - JUNE  
BLUE FRUITS - AUG - OCT  
SUN - SHADE



WILD HYDRANGEA  
3-8 -  
MAY - JUNE



NEW JERSEY TEA  
3-4 -  
SUN - PART SHADE -  
MAY - JUNE



BUTTON BUSH  
3-12 -  
SUN - PART SHADE  
WET SOIL  
JUNE - SEPT

**Cornus amomum • Silky Dogwood**



Birds are attracted to the fruit.

- 6-12 ft. deciduous shrub
- Yellowish white flowers in May-June
- Blue berry-like drupes in August
- Sun to part shade; tolerates close to full shade
- Average, moist to wet, well-drained soils
- Naturally found in moist lowland areas, swamp borders, floodplains, shrub wetlands, and along streams and ponds

Shrub bark of Silky Dogwood was used by Native Americans for tobacco.



WET/MOIST SOILS - BOND LAKE EDGE



CINNAMON FERN  
2-6"  
FULL SUN TO SHADE



ROYAL FERN  
2-5"  
SHADE



GOLDEN ALEXANDERS  
1-2"  
APRIL - MAY



FOAM FLOWER  
8-12"  
PART-FULL SHADE



BLUE VERVAIN  
3-5"  
JUNE - OCT



VIRGINIA BLUE FLAG IRIS





Proposed Plant list





Integrity Landscaping Solutions will furnish all labor and material to remove and dispose of existing grasses, grade areas and establish 3 planting beds along shoreline. Mulch will be 3 inches thick and the following plants will be included per bed:

11 shrubs: Callicarpa Americana, Itea Sweetspire, Clethra, Winterberry

6 ornamental grasses: Shenandoah switchgrass, muhly grass

11 Evergreen fern varieties: Evergreen Wood Fern, Christmas Fern

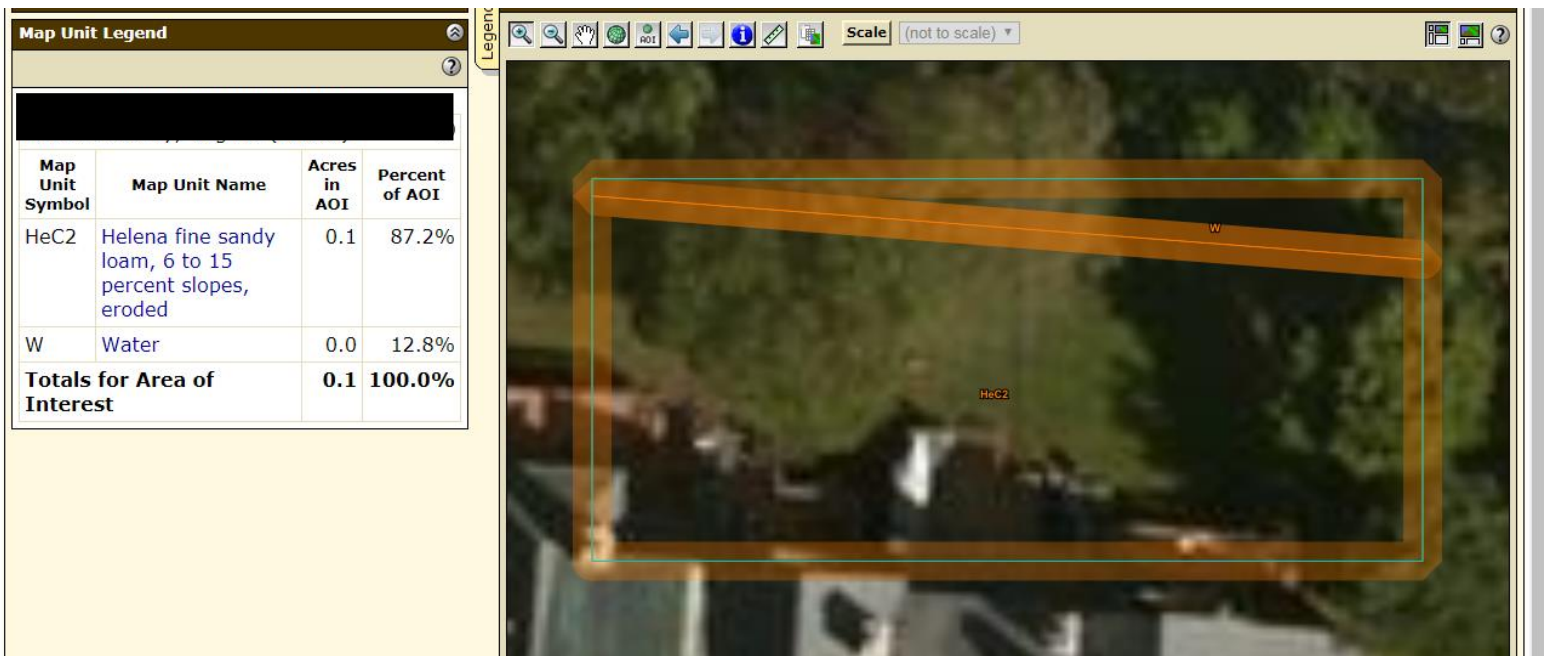
15 various perennials, planted in spring (listed above)

**Permits:** Confirm local policies, such as land disturbance, grass heights, etc. (Describe or attach.)

N/A

**Operation and Maintenance Plan:** (Describe or attach.)

\_\_\_\_\_ will use a landscaper to maintain plant survival and mulch throughout the ten-year maintenance agreement. Vegetation must achieve overall survival of 75% with invasive species less than 5%. Measures to exclude pests that will interfere with the timely establishment of vegetation should be employed as part of ongoing maintenance efforts.



Soils Map

FY21 VCAP Practice Ranking Sheet (VCAP Form 6)

This form is to be filled out by District Staff for each application submitted for funding approval to the VCAP Steering Committee. Include the Contract Number (District## - CY## - Application Number###), Practice Code (abbreviation), Estimated Cost, Cost-Share Requested and Resource Concern.	Contract #	
	Practice	CL
	Estimated Cost	\$4,827.00
	Cost-Share Requested	\$3,500.00
What is the Resource Concern?		Excess Runoff

**\*\*Please only enter data in the "Input" column. "Points Earned" will be automatically generated.\*\***

RANKING CRITERIA	Input (1/0)	POINT VALUE	POINTS EARNED	NOTE
<b>Site Assessment</b>				
<b>Resource Concern Identified and Addressed by the Selected BMP - Select One</b>				
Erosion Impact Area (visible erosion and/or deposition); or	0	20	0	
Poor Vegetative Cover (Density <=75%); or	0	15	0	
Excess Runoff (Land cover contributes to increased runoff volume and flow rate)	1	10	10	
<b>Ownership - Select One</b>				
The practice is for an individual Private Residence; or	0	10	0	
The practice is for a HOA or Business or Non-Profit; or	1	7	7	
The practice is for a Public Park or School or Facility.	0	5	0	
<b>Presence of Stormwater Management Facilities Downstream of the Site</b>				
The site runoff is currently untreated	1	10	10	
<b>Proximity to Stormwater Conveyance System or Waterway - Select One if applicable</b>				
Resource Concern within 40 feet; or	1	20	20	
Resource Concern within 100 feet	0	10	0	
<b>Slope - Select One if applicable</b>				
The practice treats poorly vegetated or eroding slope equal to or greater than 15%; or	0	10	0	
The practice mitigates concentrated runoff to a slope equal to or greater than 15%	0	5	0	
<b>TMDL Implementation Plan, MS4 Locality, or Comprehensive Stormwater Management Plan</b>				
Practice addresses local sediment or nutrient goals	0	10	0	
<b>BMP Selection</b>				
<b>BMP Type - Select One if applicable</b>				
Is the proposed BMP structural (e.g. RG, DW, CW, VSC, RH, BR, IF, PP, GR)?; or	0	10	0	
Converting Impervious Surface to Conservation Landscaping; or	0	10	0	
Impervious Surface Removed; or	0	5	0	
Living Shoreline proposed on unprotected lands; or	0	10	0	
Living Shoreline replaces failing stabilization practices; or	0	5	0	
Forested Riparian Buffer (minimum 35 feet wide); or	0	10	0	
Vegetated Filter Strip (minimum 35 feet wide)	0	5	0	
<b>Proposed BMP provides Alternative Disconnection</b>				
Selected BMP disconnects and disperses impervious runoff	0	10	0	
<b>Treatment Area (Does Not apply to LS or CL unless configured as Filter Strip with 35 feet minimum length)</b>				
Input Impervious Area Treated in square feet; and	0	0	0.0	
Input Total Contributing Drainage Area in square feet	0	0.0	0.0	
<b>Installed Area - Select One</b>				
Input Surface Area of the Practice; or	900	1.8	1.8	
Input Gallons of Storage; or	0	0.0	0.0	
Input Linear Foot of Practice Installed	0	0.0	0.0	
<b>Application Strength</b>				
<b>Partnership</b>				
Applicant is working with a partner agency or Non-Profit	0	5	0	
<b>Educational Value</b>				
Practice is publicly accessible or is part of an educational program	1	10	10	
<b>Cost Effectiveness</b>				
Cost per Impervious Area Treated (\$/SF), and	0.00	0.0	0.0	
Cost per Installed Area (\$/SF or \$/Gal or \$/LF)	5.36	10.4	10.4	
<b>Pollutant Removal</b>				
BMP Pollutant Removal Efficiency (EFF)	0.8			
Contributing Drainage Area Weighted Runoff Value (Rv)	0.25			
Pollutant Load (PL), Lbs Phosphorus per year	0.01	0.2	0.2	
<b>TOTAL RANKING POINTS</b>			<b>69.4</b>	