Virginia Conservation Assistance Program

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# Virginia Conservation Assistance Program

(No. 1, 1997) to Weginia Association of Soil & Weter Conservation Districts

Application Number

PY 2020

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.

Lagree 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). Lagree 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:	Phone:		
Address of Practice (if different from n	Iress of Practice (if different from mailing address):		Email:		
Applicant Signature		Are you receiv this project?	Are you receiving any other funding assistance for this project? Yes or (No)		
SSN / Tax ID (Attach IRS Form W-9):					
ID number as a unique identifier, the SWCD m SWCD does not use the Social Security number	iust collect that inform	umber for any purpose of	ther than that stated abo	ve.	
	and any other states and the	and the second spin in the second			
Practice Code & Title	trict Approval <b>(To</b> Practice Size (sq.	be completed by Dis Total Estimated	strict Staff) Approved Estimated	Required Completion Date	
Part B. Technical Determination and Dist	trict Approval (To Practice Size (sq. ft, lin, ft., gal)	be completed by Dis Total Estimated Cost	strict Staff) Approved Estimated Cost-Share	Required	

Approval to Forward Application:

District Director Signature

Date

Virginia Conservation Assistance Program



#### 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: 4
Representative (if applicable):	Phone Number
Hydrologic Unit Code:	GPS Coordinates:
Practice Code & Description: PERM	MEABLE PAVEMENT
Dominant Land Use Treated:	
	5,100 442 Impervious Area Treated: (sq. ft.): 3,140 442
Practice Size (sq. ft., lin. ft., gal.): _/	
Installation Date: SPRING 20	150

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: \_\_\_\_\_\_\_?.2

SITE HAS TOO MANY IMPERVIOUS SURFACES THAT CONTRIBUTE TO SHEET FLOW RUNOFF INTO ADJOINING STREET AND STORM DRAIN SYSTEM. PLAN IS TO CAPTURE AND DISCONNECT RUNOFF INTO THE SYSTEM AND DECREASE STORMWATER RUNOFF.

**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.)

ATTACHED

PY 2021

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**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.)

ATTACHED

**Construction and Installation:** 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 itemized cost estimates, including estimated volunteer labor time. (Describe or attach.)

ATTACHED

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

N/A

Operation and Maintenance Plan: (Describe or attach.)

ATTACHED

PY 2021

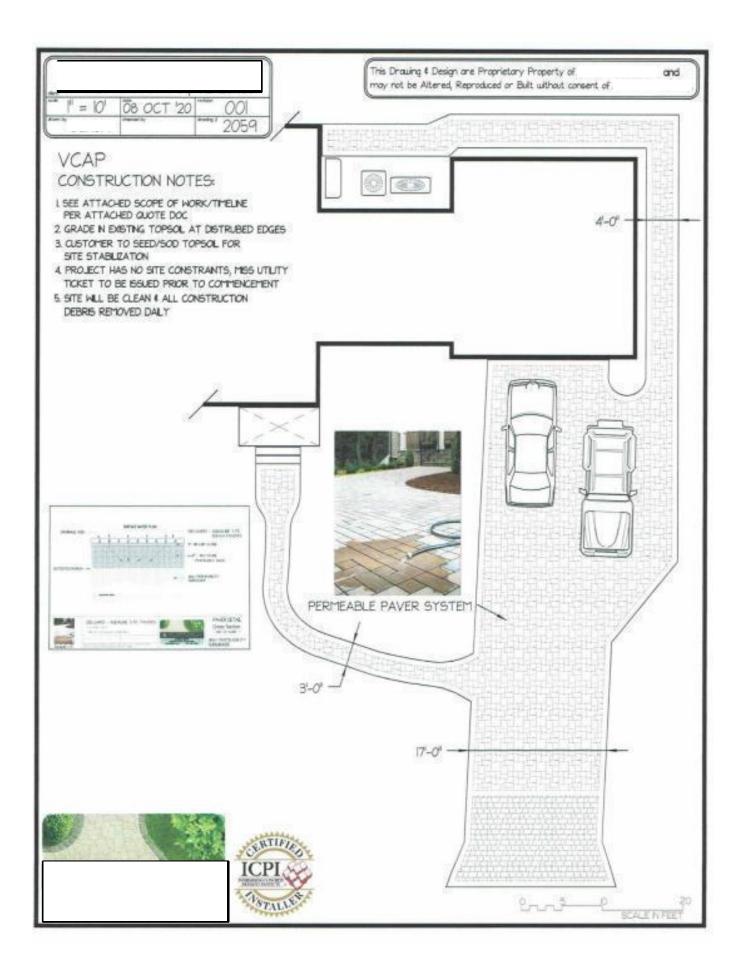
# Google Maps



Imagery ©2021



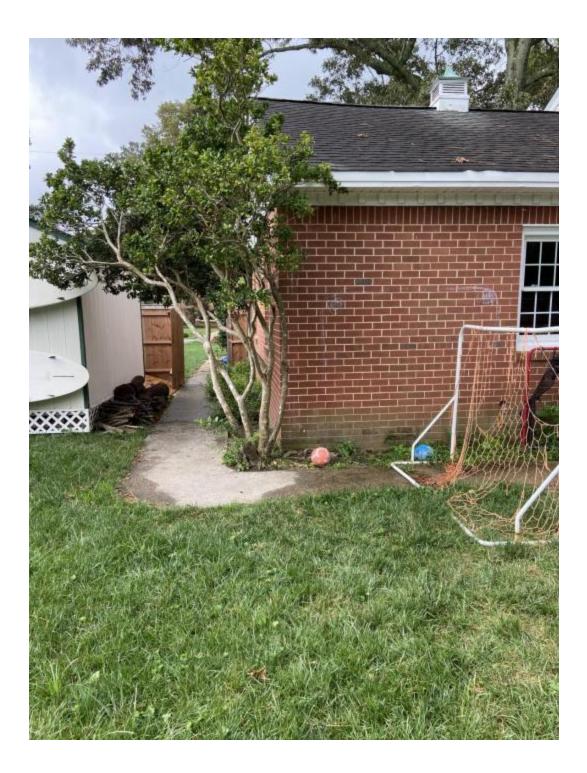




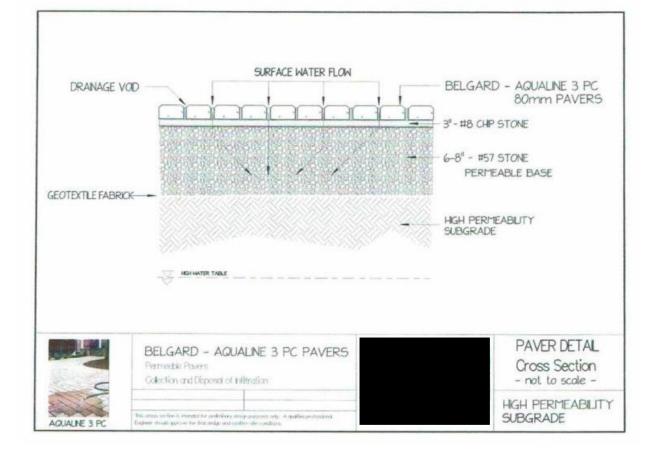


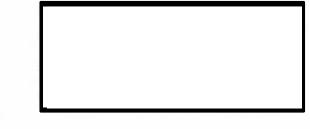












October 8, 2020

## Re: Permeable Paver Patio/Walkway - VCAP Specifications

## SCOPE OF WORK/TIMELINE

- Excavate concrete Driveway/walkways and set grade to allow for & placement of base & Geotextile Fabric for Erosion/Site Stabilization
- Supply and install compacted base material 8" of #57 Stone base
- Supply and install 3" of #8 Stone cap
- Supply and install pavers with soldier course
- Supply and install edge restraint as needed
- Sweep #8 Stone in joints of pavers & compact, Grade in existing topsoil at edges, to be seeded by Customer for Site Stabilization
- Project has No Site Constraints, Miss Utility Ticket will be issued
- Clean up & removal of debris Daily

Permeable Pavers per dwg 1,840 ft <sup>2</sup> @ 15/ft <sup>2</sup>	\$27,600.00
Demo/Haul Existing Concrete	850.00

Project Total \$28,450.00 Contract Deposit 8,000.00

Balance due upon completion \$20,450.00

# 5 Year Warranty - Labor • Lifetime Warranty on Product

Thank you for the opp<u>ortunity to work with</u> you on this project. Please feel free to contact me directly at

Best Regards,

## Site Constraints

There are no known site constraints to the proposed project. Prior to commencement of construction, the applicant will notify Miss Utility to determine what – if any – underground utilities are present in and near the proposed project site.

## Landscape Plan

Appropriate measures shall be undertaken to ensure adequate erosion and sedimentation protection occurs during construction. Following completion of construction, the contractor and/or property owner will regrade all disturbed areas to adjoin grades and these areas will either be seeded or sodded with turf grass, or the areas will be mulched and landscaped to tie into existing planting beds.

# Computations

Impervious Area Tv

.95/12 \* 3,140 = 248.58 cu ft

Pervious Area Tv

.22/12 \* 1,960 = 35.93 cu ft

Total Tv

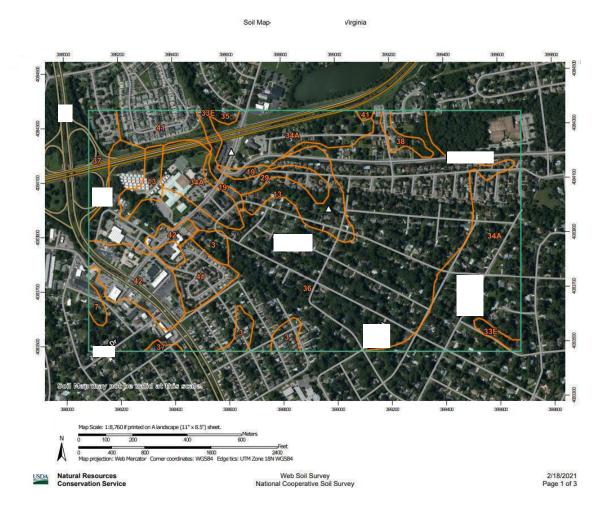
248.58 + 35.93 = 284.51

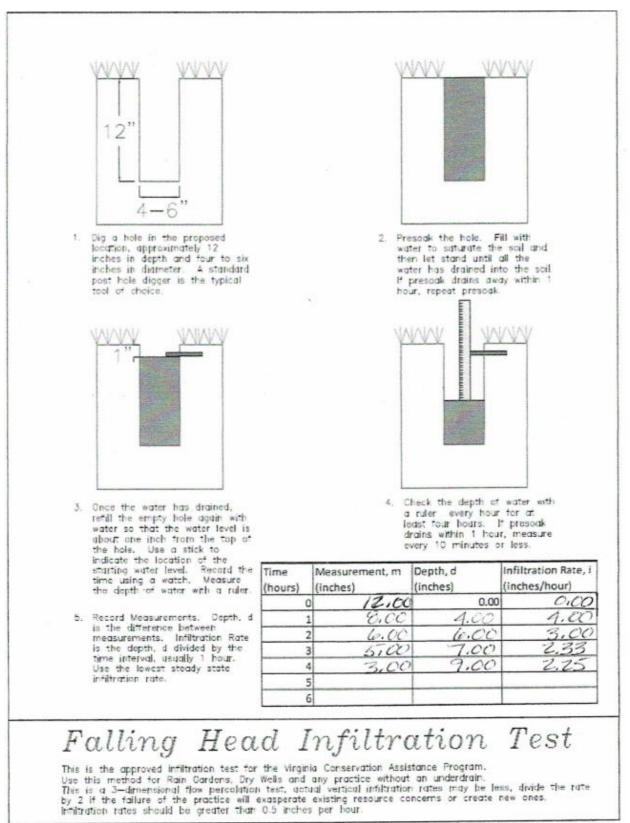
Ds

1 \* 0.4 = 0.4

SA

284.51 / 0.4 = 711.28 sq ft permeable pavers with 1 ft reservoir layer





Inis form is to be mee out by Unstrict Start for each application submitted for running approval to the VCAP Steering Committee. Include the Contract Number (DistrictM - CYM - Application Number(IMM), Practice Code abbreviation), Estimated Cost, Cost-Share Requested and Resource Concern.		Practice Estimated Cost Cost-Share Requested What is the Resource Concern?	PP \$28,450 \$10,000 Excess Runoff
**Please only enter data in the "Input"	column. "Poin	ts Earned" will be automatically generated.**	
RANKING CRITERIA	Input (1/0)	POINT VALUE	POINTS EARNED
	Site Assessm	nent	
source Concern Identified and Addressed by the Selected BMP - Select One			_
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
vnership - Select One			
The practice is for an individual Private Residence; or	1	10	10
The practice is for a HOA or Business or Non-Profit; or	0	7	0
The practice is for a Public Park or School or Facility.	0	5	0
esence of Stormwater Management Facilities Downstream of the Site			
The site runoff is currently untreated	1	10	10
······································		1	
oximity to Stormwater Conveyance System or Waterway - Select One if applicable			
Resource Concern within 40 feet; or	0	20	0
Resource Concern within 100 feet	0	10	0
ope - Select One if applicable			
Spe - Select One in applicable 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
IDL Implementation Plan, MS4 Locality, or Comprehensive Stormwater Management Plan	-		
Practice addresses local sediment or nutrient goals	1	10	10
	BMP Select	ion	
IP Type - Select One if applicable			
Is the proposed BMP structural (e.g. RG, DW, CW, VSC, RH, BR, IF, PP, GR)?, or	1	10	10
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	3	
oposed BMP provides Alternative Disconnection			
Selected BMP disconnects and disperses impervious runoff	1	10	10
eatment Area (Does Not apply to LS or CL unless configured as Filter Strip with 35 feet minimum length			
Input Impervious Area Treated in square feet; and	3140 5100	3.14 12.3	3.1
Input Total Contributing Drainage Area in square feet	5100	12.3	12.3
talled Area - Select One			
Input Surface Area of the Practice; or	1840	3.7	3.7
Input Gallons of Storage; or	0	0.0	0.0
Input Linear Foot of Practice installed	0	0.0	0.0
	Application Str	rongth	
rtnership	Application St	rengun	
Applicant is working with a partner agency or Non-Profit	0	5	0
lucational Value			
Practice is publicly accessible or is part of an educational program	0	10	0
st Effectiveness			
Cost per Impervious Area Treated (\$/SF), and	9.06	6.6	6.6
	15.46	1.3	1.3
Cost per Installed Area (\$/SF or \$/Gal or \$/LF)			
llutant Removal			_
ilutant Removal BMP Pollutant Removal Effeciency (EFF)	0.59		
lutant Removal BMP Pollutant Removal Effeciency (EFF) Contributing Drainage Area Weighted Runoff Value (Rv)	0.680980392	21	
lutant Removal BMP Pollutant Removal Effeciency (EFF)		2.1	2.1