

# Items 11A – G

## CCAP Program Updates

- Six BMP policy updates
- Correction to the FY2025 Cost List



# *The Six Policy Updates*

## *Items 11A – 11F*

- Abandoned well closures
- Bioretention areas
- Diversions
- Grassed swales
- Impervious surface removal
- Pet waste receptacles



# Formatting, Organizational, and Policy Adjustment Changes Are Recommended

- Typos, grammar
- Updated to reflect the current standards
- Specifications changed to references and guidance where applicable
- Maintained integrity of the BMP while providing flexibility with referenced resources for additional information



# Formatting and Organizational Changes

- From this...

ABANDONED WELL CLOSURE	
Lifespan	1 year
BMP Units	EACH
Required Effects	•No required effects
JAA	GW-30 serves as the JAA
<a href="#">Supporting Standards</a>	<a href="#">N.C. Administrative Rule: 15A NCAC 2C.0113</a> <a href="#">N.C. General Statutes 87-83 through 87-99</a>

July 2012, August 2014, July 2019, [May 2024](#)

## Community Conservation Assistance Program

<a href="#">Guidance</a>	<a href="#">N.C. NRCS Practice Standard 351 – Well Decommissioning</a>
CS2 Reference Materials	<ul style="list-style-type: none"> <li>• NC-CSP-11 Signature Page</li> <li>• Map with BMP location</li> <li>• <a href="#">Highlighted Receipts</a> for Actual Costs</li> <li>• <a href="#">Receipts Summary form</a></li> <li>• GW-30 form</li> </ul>

### [Standards:](#)

[N.C. NRCS Practice Standard 351 – Well Decommissioning](#)

<https://efotg.cees.gov/efotg/nc/nrcs/351/351.pdf>

[N.C. Administrative Rule: 15A NCAC 2C-0113](#)

<http://ehs.ncpublichealth.com/oswp/docs/2C-0100-RULES-FINAL-Sep2009.pdf> (p. 20, 31)

<http://reports.eoh.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%202c%20-%20environmental%20management/subchapter%20c/15a%20ncac%202c%200113.pdf>

[N.C. General Statutes 87-83 through 87-99](#)

[http://www.ncga.state.nc.us/EnactedLegislation/Statutes/HTML/ByArticle/Chapter\\_87/Article\\_7.html](http://www.ncga.state.nc.us/EnactedLegislation/Statutes/HTML/ByArticle/Chapter_87/Article_7.html)

### [Guidance:](#)

[N.C. NRCS Practice Standard 351 – Well Decommissioning](#)



# Formatting and Organizational Changes

- To this...

*All items formatting updated*

## Abandoned Well Closure

### Definition/Purpose

An *abandoned well closure* is the sealing and permanent closure of a supply well no longer in use. This practice serves to prevent entry of contaminated surface water, animals, debris or other foreign substances into the well. It also serves to eliminate the physical hazards of an open hole to people, animals and machinery. Cost share for this practice is limited to \$1,500 per well.

### Policies

1. Bored, hand dug and drilled wells may be closed.
2. Cost share may be provided for wells that have been abandoned for over three years.
3. If the abandoned well site is associated with a new development project, it is not eligible to receive cost share assistance.
4. A well abandonment record (GW-30) must be completed by a certified well contractor and submitted to the N.C. Division of Water Resources. The well closure must comply with all applicable state and local requirements for well abandonment and closure.
5. Payment will be based on 75% of actual cost with receipts, with the cost to the N.C. CCAP not to exceed \$1,500.
6. The BMP must be inspected by district technical staff within 9-12 months following closure to ensure surface water is properly diverted and closure is adequate.
7. Minimum life of BMP is one year.

ABANDONED WELL CLOSURE	
Lifespan	1 year
BMP Units	EACH
Required Effects	•No required effects
JAA	GW-30 serves as the JAA
Supporting Standards	<a href="#">N.C. Administrative Rule: 15A NCAC 2C.0113</a> <a href="#">N.C. General Statutes 87-83 through 87-99</a>



# Minor Wording Changes

- Grammar
- Typos
- Updates
- Minor additions

Community Conservation Assistance Program

ATTACHMENT 11F

## Pet Waste Receptacle

### Definition/Purpose

*Pet waste receptacles* are designed to encourage pet owners to pick up after their animals in parks, neighborhoods and apartment complexes so as to prevent waste from being transported off-site by stormwater runoff.

### Policies

1. This practice should only be installed in public areas such as parks, neighborhood common areas and apartment complexes. This practice is not designed for the individual homeowner.
2. Each receptacle must include appropriate signage describing the use and purpose of the receptacle.
3. Cooperators can only receive cost share assistance on waste bags at the time of the original contract.
4. A maintenance plan is required for this practice.

5. A receptacle is made up of a bag dispenser or container and a trash can.

Community Conservation Assistance Program

ATTACHMENT 11A

## Abandoned Well Closure

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### Policies

1. Bored, hand dug and drilled wells may be closed.
2. Cost share may be provided for wells that have been abandoned for over three years.
3. If the abandoned well site is associated with a new development project, it is not eligible to receive cost share assistance.
4. A well abandonment record (GW-30) must be completed by a certified well contractor and submitted to the N.C. Division of Water Quality Resources. The well closure must comply with all applicable state and local requirements for well abandonment and closure.
5. Payment will be based on 75% of actual cost with receipts, with the cost to the N.C. CCAP not to exceed \$1,500.

## Items 11A, 11C, 11D, 11E, and 11F



# Policy Clarifications, Adjustments, and Updates

- Alignment with other agency policies and standards
- Updated to reference other agency guidelines and technical manuals
- Distinguishes between policy and guidelines more clearly
- **Items 11B – Bioretention Area and 11D - Grassed Swales adjusted**

## Bioretention Areas

### Definition/Purpose

*Bioretention* is the use of plants and soils for removal of pollutants from stormwater runoff. Bioretention can also be effective in reducing peak runoff rates, runoff volumes and recharging groundwater by infiltrating runoff.

### Policies

1. Bioretention areas are intended to treat impervious surface areas of greater than 2500 ft<sup>2</sup>. Refer to backyard rain garden practice if treating less than 2500 ft<sup>2</sup>.
2. The seasonal ~~high water~~high water table must be at least two feet below the proposed bottom of the facility with the exception as noted in the Minimum Design Criteria in the NC Stormwater Manual for this practice. The Manual reads: "The separation may be reduced to no less than one foot if the applicant provides a hydrogeologic evaluation prepared by a licensed professional."
3. Bioretention facilities may be constructed using native soils when the soil infiltration rate is at least 1 inch/hour. Installation in clay soils will require an imported soil mix and underdrains to achieve the minimum infiltration rate.
4. ~~When~~ draining to nutrient sensitive waters, the bioretention facility shall utilize a soil media with a P-Index ~~between 15-40 to~~shall not exceed 30 and shall not exceed 50 in all other waters to promote phosphorus removal.
5. Grassed swales, filter strips, or other structural practices such as forebays should be considered as a method of pretreatment to reduce sediment loading.
6. Native plant species capable of tolerating the extreme moisture conditions typical of this practice should be specified over non-native, invasive, or exotic species that require excessive care.

BIORETENTION AREA



# We are requesting your action for these policy revisions Items 11A – 11F

- 11A - Abandoned well closures
- 11B - Bioretention areas
- 11C - Diversions
- 11D - Grassed swales
- 11E - Impervious surface removal
- 11F - Pet waste receptacles





# Items 11A – F Policy Updates Questions/Comments



# Items 11G

## Cost List Correction

### *Structural Stormwater Conveyance*

- FY2024 – Revision to the standard
  - Allowed for drop inlets
  - Similar to Grade Stabilization
- FY2024 eliminated the \$4,000 cap due to the revision standard
- Typo on the FY2025 list



# Item 11G

## Cost List Correction

### Structural Stormwater Conveyance

Your Action is requested on this correction

Questions/Comments for Item 11G?

NC CCAP FY2025 Cost List ATTACHMENT 11G

Best Management Practice	Components	Unit Type	Cost Type	Share Rate	Cost Share Cap	Notes
Abandoned well closure		Each	Actual Cost	75%	\$ 1,500	
Backyard rain garden			Actual Cost	75%	\$ 2,750	
Backyard wetland			Actual Cost	75%	\$ 2,750	
Cisterns*	<1,000 gallons (includes installation)	Each	Actual Cost	75%	\$ 2,250	
	1,000 - 3,000 gallons (includes installation)	Gallon	Actual Cost	75%	\$1.56/gallon	\$2,250 + \$1.56/gallon over 1,000 gallons (max of \$4,490)
	> 3,000 gallons (includes installation)	Gallon	Actual Cost	75%	\$1.65/gallon	\$4,490 + \$1.65/gallon over 3,000 gallons
	Accessories package	Each	Actual Cost	75%	\$ 1,000	
	Shipping charge	Each	Actual Cost	75%	\$ 750	
Critical area planting		Job	Actual Cost	75%		
Diversion*		Job	Actual Cost	75%		
Grassed Swale*		Job	Actual Cost	75%		
Impervious surface conversion	conversion to trees	SqFt	Actual Cost	75%		
	conversion to grass	SqFt	Actual Cost	75%		
Permeable pavement*	Non-vehicular (inc impervious removal)	SqFt	Actual Cost	75%		capped at \$16.90/sqft
	Vehicular (inc impervious removal)	SqFt	Actual Cost	75%		capped at \$23.00/sqft
Pet waste receptacle		Each	Actual Cost	75%	\$ 400	
	Receptacle (installed)	Each	Actual Cost	75%	\$ 100	
	Receptacle (retrofit of existing trash can)	Each	Actual Cost	75%	\$ 100	
	Plastic bags (per receptacle at time of original contracts)		Actual Cost	75%	\$ 75	
Riparian buffer		Job	Actual Cost	75%		
Stream restoration*		Job	Actual Cost	75%		
Streambank and shoreline protection*		Job	Actual Cost	75%		
Bioretention areas*		Job	Actual Cost	75%		
Stormwater wetlands*		Job	Actual Cost	75%		
Marsh sills	<= 100 feet	Feet	Actual Cost	75%	\$ 15,000	
	Each additional foot >100 feet	Feet	Actual Cost	75%	\$150/foot	
Structural Stormwater Conveyance*		Job	Actual Cost	75%	\$ 4,000	

\* Engineering for \*BMPs\* capped at 15% of the total CCAP project cost.

NC CCAP FY2025 Cost List Attachment 11G

Best Management Practice	Components	Unit Type	Cost Type	Share Rate	Cost Share Cap	Notes
Abandoned well closure		Each	Actual Cost	75%	\$ 1,500	
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Cisterns*	<1,000 gallons (includes installation)	Each	Actual Cost	75%	\$ 2,250	
	1,000 - 3,000 gallons (includes installation)	Gallon	Actual Cost	75%	\$1.56/gallon	\$2,250 + \$1.56/gallon over 1,000 gallons (max of \$4,490)
	> 3,000 gallons (includes installation)	Gallon	Actual Cost	75%	\$1.65/gallon	\$4,490 + \$1.65/gallon over 3,000 gallons
	Accessories package	Each	Actual Cost	75%	\$ 1,000	
	Shipping charge	Each	Actual Cost	75%	\$ 750	
Critical area planting		Job	Actual Cost	75%		
Diversion*		Job	Actual Cost	75%		
Grassed Swale*		Job	Actual Cost	75%		
Impervious surface conversion	conversion to trees	SqFt	Actual Cost	75%		
	conversion to grass	SqFt	Actual Cost	75%		
Permeable pavement*	Non-vehicular (inc impervious removal)	SqFt	Actual Cost	75%		capped at \$16.90/sqft
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	Plastic bags (per receptacle at time of original contracts)		Actual Cost	75%	\$ 75	
Riparian buffer		Job	Actual Cost	75%		
Stream restoration*		Job	Actual Cost	75%		
Streambank and shoreline protection*		Job	Actual Cost	75%		
Bioretention areas*		Job	Actual Cost	75%		
Stormwater wetlands*		Job	Actual Cost	75%		
Marsh sills	<= 100 feet	Feet	Actual Cost	75%	\$ 15,000	
	Each additional foot >100 feet	Feet	Actual Cost	75%	\$150/foot	
Structural Stormwater Conveyance*		Job	Actual Cost	75%		

\* Engineering for \*BMPs\* capped at 15% of the total CCAP project cost.



Thank You!

