

THERE WILL BE NO CHANGES IN SPECIFICATION, DIMENSIONS, OR MATERIALS UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR THIS DRAWING.

THE DRAWINGS ARE PREPARED COOPERATIVELY BY THE NATURAL RESOURCE CONSERVATION SERVICE FOR THE NAMED LANDOWNER. CONSTRUCTION FOUND NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS SHALL VIOLATE THE COOPERATIVE AGREEMENT AND ALL DRAWINGS, SPECIFICATIONS, AND QUANTITIES ESTIMATE SHALL IMMEDIATELY BE RETURNED TO THE LOCAL NRCS OFFICE.

LANDOWNER/PROJECT

558 - ROOF RUNOFF STRUCTURE

(DISTRICT SOIL CONSERVATION DISTRICT)

OWNER/CONTRACTOR STATEMENT

I CERTIFY THAT THIS DESIGN HAS BEEN EXPLAINED TO ME BY A REPRESENTATIVE OF THE _____ DISTRICT _____ SOIL CONSERVATION DISTRICT, AND I UNDERSTAND THE CONTENTS. ALL CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND SPECIFICATIONS. I FURTHER UNDERSTAND THAT ALL CONSTRUCTION WILL BE UNDER THE INSPECTION OF THIS OFFICE.

OWNER'S SIGNATURE _____ DATE _____

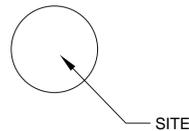
CONTRACTOR'S SIGNATURE _____ DATE _____

SAFETY REGULATIONS

ALL EXCAVATION AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MARYLAND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MOSHA) STANDARDS AS SET FORTH IN THE LATEST VERSION OF THE CODE OF MARYLAND REGULATIONS

GENERAL NOTES:

- PLEASE CONTACT THE DISTRICT SOIL CONSERVATION DISTRICT AT LEAST 3 DAYS PRIOR TO CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION MEETING @ PHONE # _____
- A CONSERVATION TECHNICIAN SHALL VERIFY CUT/GRADE STAKES AT THE CONTRACTORS REQUEST



VICINITY MAP
N.T.S.



**Know what's below.
Call before you dig.**

"The Soil Conservation District makes no representation as to the existence or Non-existence of any utilities at the construction site. Shown on these construction drawings are those utilities which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities"

AS-BUILT STATEMENT

THE CONSERVATION PRACTICE(S) MEETS OR EXCEEDS NRCS STANDARDS AND SPECIFICATIONS

INSPECTED BY	SIGNATURE _____	DATE _____
CONSTRUCTION APPROVAL	SIGNATURE _____	DATE _____
VERIFIED DISTRICT CONSERVATIONIST	SIGNATURE _____	DATE _____

REVISIONS	Approved	MM/YY
	Description	
Date		
File No.	* .DWG	
Sheet 1 of 5		

United States Department of Agriculture USDA Natural Resources Conservation Service	LANDOWNER	MM/YY
	558 - ROOF RUNOFF STRUCTURE TRACT	
	City, Maryland	
	Maryland Department of Agriculture	Approved _____ Date _____
	DISTRICT Soil Conservation District	Title _____ Job _____ Class _____

MATERIALS LIST

LEGEND

These standard symbols will be found in the drawing

-  PROPOSED ___" GUTTERS
-  PROPOSED UNDERGROUND PIPE
-  PROPOSED DOWNSPOUTS

GUTTERS: ALL GUTTERS ARE 6"	
ROOF 1	1*3/4" IN 49'
ROOF 2	1*1/4" IN 49'
ROOF 3	2" IN 51'
ROOF 4	2" IN 28'
ROOF 5	1" IN 40'
ROOF 6	1" IN 40'
ROOF 7	1 1/2" IN 61'
ROOF 8	1 1/4" IN 61'

PLAN VIEW

REVISIONS	
Date	Description

File No.
*.DWG



United States
Department of
Agriculture

**Natural Resources
Conservation Service**

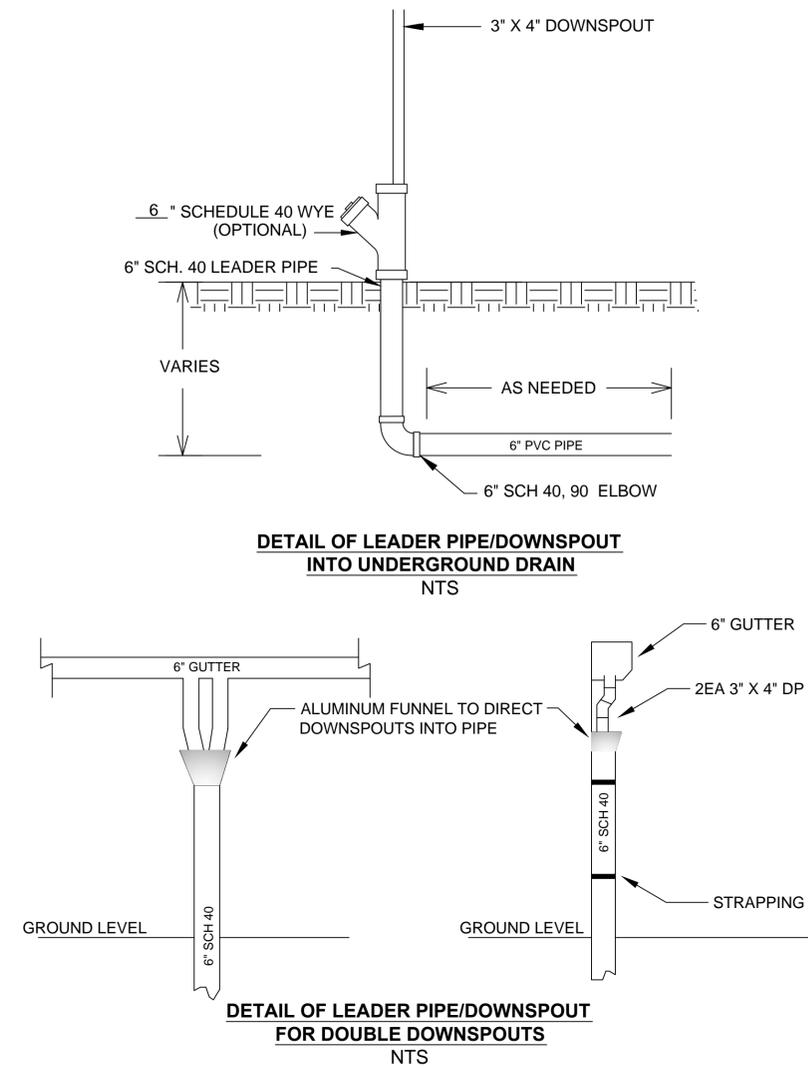
LANDOWNER
558 -- ROOF RUNOFF STRUCTURE
TRACT
City, Maryland

Maryland Department of Agriculture
DISTRICT Soil Conservation District

Designed	MM/YY
Drawn	
Checked	
Approved	Date
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GUTTERS: ALL GUTTERS ARE 6"	
ROOF 1	1'3/4 IN 49'
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ROOF 3	2' IN 51'
ROOF 4	2' IN 28'
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ROOF 6	1' IN 40'
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ROOF 8	11/4' IN 61'

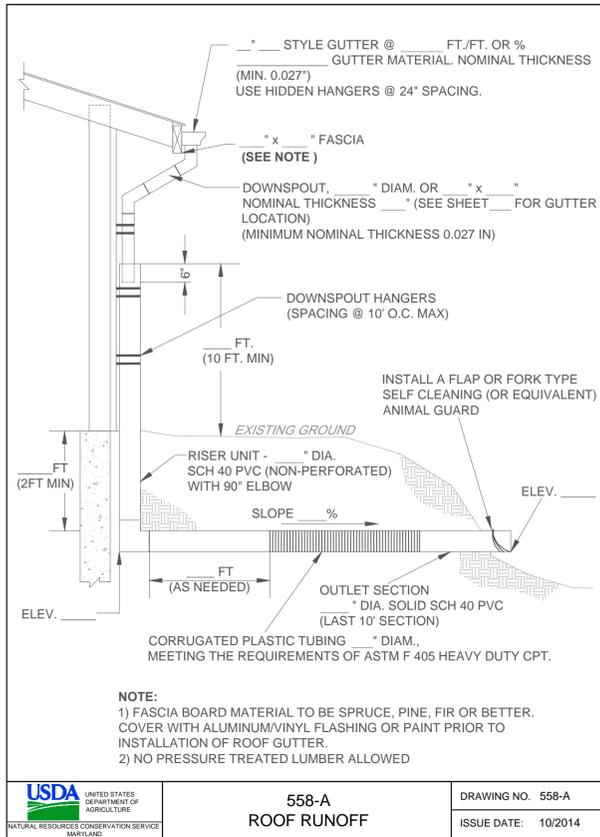
GUTTER/DP SPECIFICATIONS PLAN VIEW



ROOF GUTTER CONSTRUCTION SPECIFICATIONS

- All materials and construction shall be in accordance with applicable NRCS standards and construction specifications.
- All components of the completed system shall conform to the lines, grades, elevations, dimensions and materials shown on the plans.
- Any changes in the plans or specifications must be approved by the original plan approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
- All disturbed areas shall be fertilized, seeded, and mulched or otherwise stabilized as required on the construction plans.
- Existing fascia boards that are damaged, rotten, otherwise unstable or with a nominal thickness less than 2 inches, shall be replaced.
- Rafter ends that are damaged or rotted shall be repaired.
- All lumber used for fascia boards or for rafter end repair shall have a nominal thickness of 2 inches. Cover all fascia boards with aluminum or vinyl flashing or paint before the roof gutter is installed.
- Down spout outlet connections shall be the manufacturer's preformed (insert) outlets for the given size shown on the design, unless otherwise approved.
- Aluminum gutters and downspouts shall have a minimum thickness of 0.027 inch.
- Galvanized steel gutters and downspouts shall have a minimum thickness of 28 gage.
- Where animals or equipment may come in contact with downspouts, steel pipe, schedule 40 PVC or similar material will be used for the downspout.
- Roof gutter supports shall have a maximum spacing of 24 inches unless otherwise approved. Roof gutters shall be mounted to the fascia board using hidden hangers, bolts and ferrules, gutter screws and ferrules, or cradles. Other methods must be approved by the engineer. **Spike and ferrules are not approved.**
- Itemized invoices from suppliers shall be provided to verify gutter and downspout size, length, material, material gage, and hanger type.
- The Soil Conservation District makes no representation as to the existence or nonexistence of any utilities at the construction site. Shown on these construction drawings are those utilities, which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities. Miss Utility should be contacted at 1 800-257-7777.

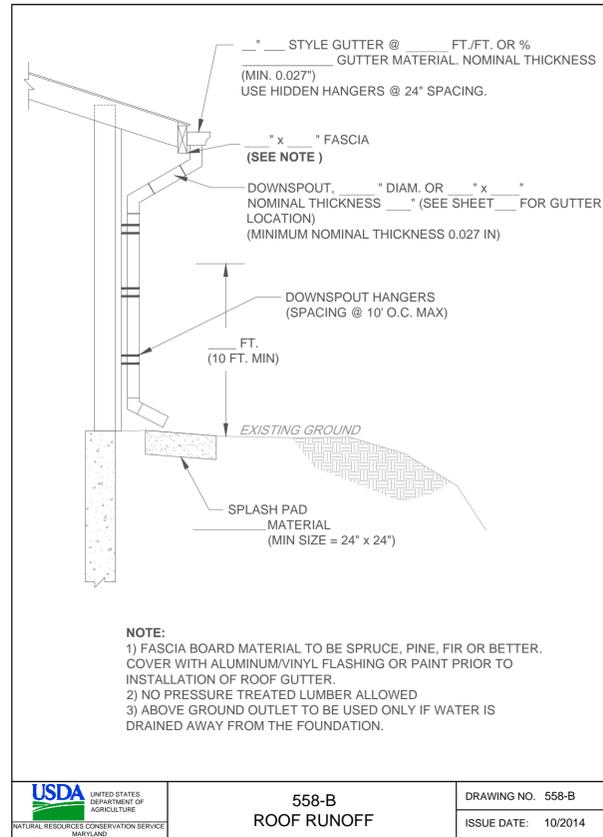
	United States Department of Agriculture Natural Resources Conservation Service	LANDOWNER 558 -- ROOF RUNOFF STRUCTURE <small>City, Maryland</small> TRACT Maryland Department of Agriculture DISTRICT Soil Conservation District						
REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Date</th> <th style="width: 70%;">Description</th> <th style="width: 20%;">Approved</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Date	Description	Approved				File No. *.DWG	Designed _____ MM/YY Drawn _____ Checked _____ Approved _____ Date _____ Title _____ Job _____ Class _____
Date	Description	Approved						
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USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-A
ROOF RUNOFF

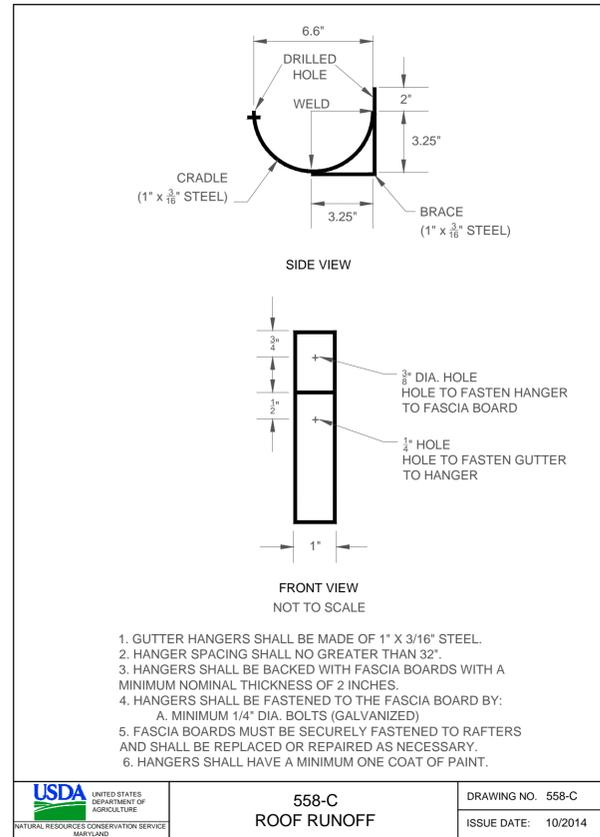
DRAWING NO. 558-A
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-B
ROOF RUNOFF

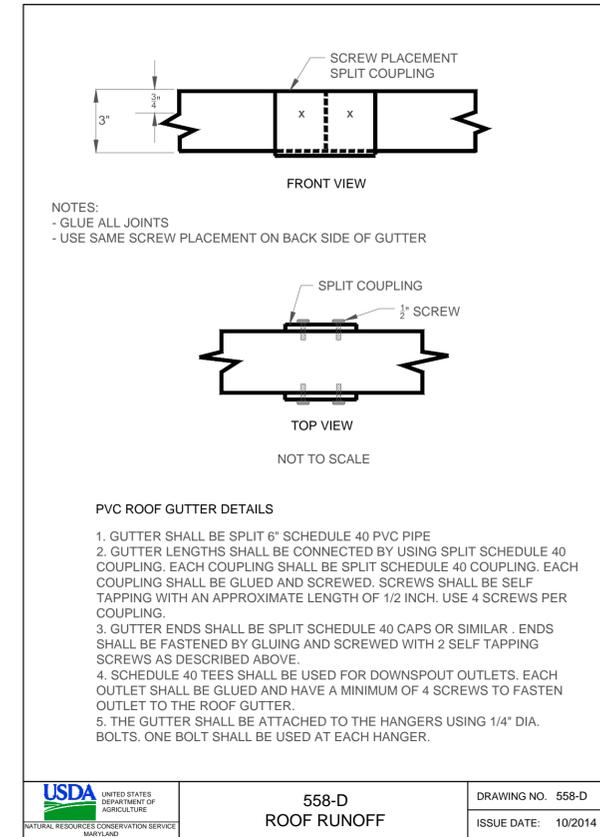
DRAWING NO. 558-B
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-C
ROOF RUNOFF

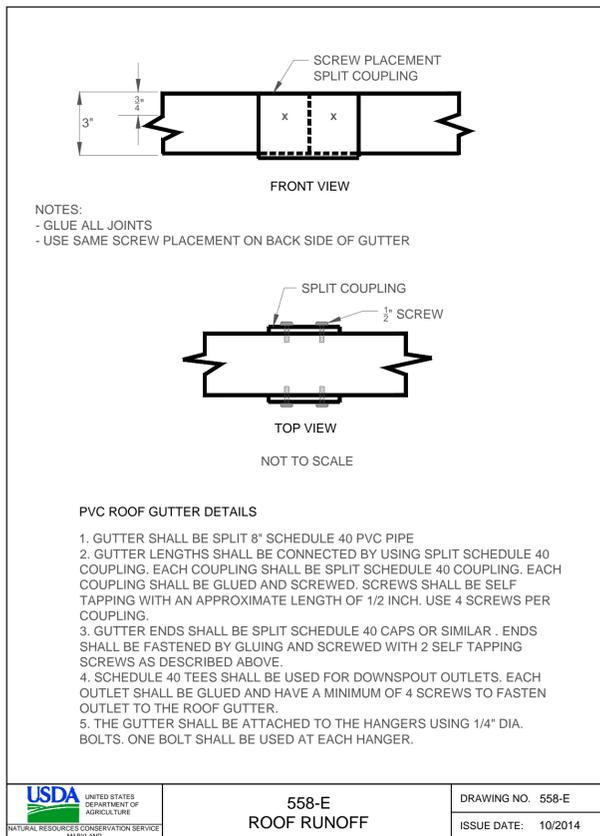
DRAWING NO. 558-C
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-D
ROOF RUNOFF

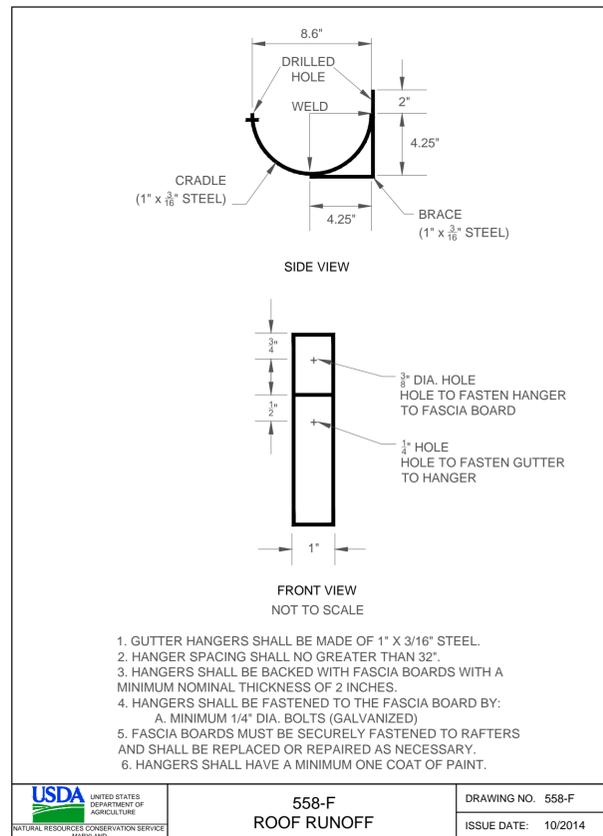
DRAWING NO. 558-D
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-E
ROOF RUNOFF

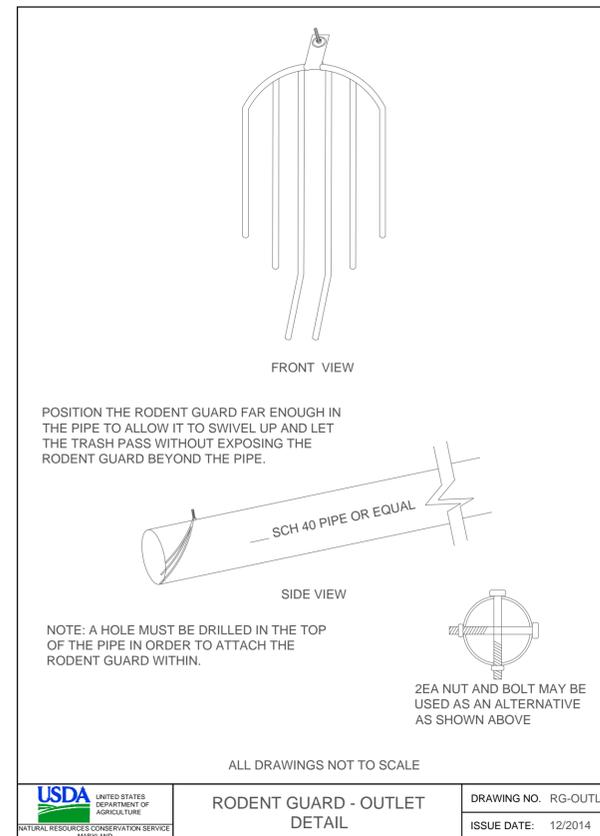
DRAWING NO. 558-E
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

558-F
ROOF RUNOFF

DRAWING NO. 558-F
ISSUE DATE: 10/2014



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE MARYLAND

RODENT GUARD - OUTLET
DETAIL

DRAWING NO. RG-OUTLET
ISSUE DATE: 12/2014

OPERATION AND MAINTENANCE SCHEDULE FOR ROOF RUNOFF MANAGEMENT

10 year maintenance life

1. Removal of any blockage of trash and debris that could affect flows through the gutters, down spouts and outlets.
2. Inspect roof gutters, down spouts and outlets after major storms and clean and repair as necessary.
3. Inspect all connections at least annually to make sure they have not been separated, and repair as necessary.
4. Inspect gutters, down spouts, and outlets annually for damage from equipment or livestock, and repair if damage affects function of system.
5. If outlets drain to a grassed waterway or diversion, mow, fertilize and lime to maintain flow capacity, grass height, plant density and to promote vigorous growth.
6. Inspect at least once a year and after major storms for areas that are eroding and need reseeding. Repair problems immediately. Fill in and reseed, following original seeding specifications.
7. Repairs should be made as soon as possible. Repairs should be made to return the facility to the same condition as it was designed.

Designed	MM/YY
Drawn	
Checked	
LANDOWNER 558 - ROOF RUNOFF STRUCTURE City, Maryland	
Approved	Date
Title	Job Class
Maryland Department of Agriculture DISTRICT Soil Conservation District	
United States Department of Agriculture	
Natural Resources Conservation Service	
REVISIONS	Approved
Date	Description
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