APPENDIX A

Minor Stormwater Management Plan - Application

Property Owner's Name: _____

Mailing Address: _____

_____

Phone: _____ Email: _____

Address of Development: _____

_____

Approved Use: _____

Tax parcel Number: _____

Municipality: _____

Existing Structures on Property: _____

Describe Proposed Development: _____

_____

_____

_____

By signing this application, I acknowledge that I have read the municipal Stormwater Management Ordinance, and I have selected the Stormwater Management System(s) for the proposed development. I agree to construct the Stormwater Management System(s) in accordance with the construction details provided in the Stormwater Management Ordinance, and made part of this application.

I will construct the following Stormwater Management Systems(s) for the proposed development:

☐	Disconnected Impervious Area
☐	Typical Rain Garden/Bioretention area
☐	Dry well

I acknowledge that I and/or my assignees/grantees shall be responsible for maintenance of the Stormwater Management System(s) selected, and that said Stormwater Management System(s) shall remain as a permanent fixture that cannot be altered, replaced, or removed without prior written approval from the municipality.

I acknowledge that upon completion of the construction of the selected Stormwater Management System(s), I will contact the municipality for an inspection.

_____ _____

Signature of Property Owner Date

_____

Printed Name

APPROVED

_____ _____

Printed Name/Title Date

Once this Application is approved by the Municipality, it is the applicant's responsibility to record an approved/signed copy within 90 days of the approval date at the county courthouse.

Disconnected Impervious Area (DIA)
Self-Certification Form

Property Owner's Name: _____

Mailing Address: _____

_____

Phone: _____ Email: _____

Address of Development: _____

_____

Tax parcel Number: _____

Municipality: _____

Rooftop Disconnection qualifies as a DIA by meeting all of the following requirements:

☐ Each Rooftop DIA receives 500 square feet or less of rooftop drainage.

☐ The soils in proximity of the discharge area are not designated as hydrologic soil group "D" (or equivalent) according to the USDA Natural Resources Conservation Service or county soil survey.

☐ The pervious (vegetated) area that receives the discharge from the rooftop DIA has a slope of 5% or less.

☐ The length of the pervious (vegetated) flow path is 75 feet or longer, and the flow path does not include any impervious surfaces, and it is at least 15 feet from any impervious surface.

Pavement* Disconnection qualifies as a DIA by meeting all of the following requirements:
(*Pavement is used broadly to refer to any impervious surface that is not a rooftop)

☐ Each Pavement DIA is 1,000 square feet or less. (Multiple pavement DIAs are permissible)

☐ The slope of the contributing impervious area (pavement) is 75 feet or less.

☐ The soils in proximity of the discharge area are not designated as hydrologic soil group "D" (or equivalent) according to the USDA Natural Resources Conservation Service or county soil survey.

☐ The pervious (vegetated) area that receives the discharge from the rooftop DIA has a slope of 5% or less.

☐ The length of the overland flow of the pervious (vegetated) area is greater than or equal to the contributing length of the impervious area.

☐ The slope of the impervious (pavement) area has a slope of 5% or less.

This form must be returned with the stormwater application if you are claiming a Disconnected Impervious Area (DIA).

Stormwater - Rain Garden/Bioretention Area
Self-Certification Form

Property Owner's Name: _____

Mailing Address: _____

_____

Phone: _____ Email: _____

Address of Development: _____

_____

Tax parcel Number: _____

Municipality: _____

The proposed rain garden/bioretention area(s) meet(s) the following requirements:

☐ The surface ponding depth will be approximately 1 foot or less.

☐ The rain garden/bioretention area will be constructed after the soils in the surrounding area are stabilized to avoid clogging with sediments.

☐ Native vegetation that can tolerate dry and wet weather will be planted in the proposed rain garden/bioretention area.

☐ Overflow from the rain garden/bioretention will flow to a pervious (vegetated) area, and will not have potential to harm downstream property.

☐ Maximum side slopes of the rain garden/bioretention area shall be 3:1 (horizontal:vertical) ratio, or flatter.

☐ The soil/planting mix depth will be between 1.5 feet to 6 feet deep.

☐ The rain garden/bioretention area will include a minimum of 8 cubic feet (cf) for each 100 square feet of impervious surface (roof, pvement, gravel, etc.) that drains to it. (80 cf of soil planting mix provides 8 cf of stormwater storage.)

☐ The rain garden/bioretention area will be constructed in accordance with the details provided in the stormwater ordinance.

This form must be returned with the stormwater application if you are constructing a Rain Garden/Bioretention Area.

Dry Well/Seepage Pit
Self-Certification Form

Property Owner's Name: _____

Mailing Address: _____

_____

Phone: _____ Email: _____

Address of Development: _____

_____

Tax parcel Number: _____

Municipality: _____

The proposed Dry Well/Seepage Pit(s) meet(s) the following requirements:

☐ The Dry Well will be located at least 10 feet from all building foundations.

☐ The Dry Well will be constructed after the soils in the surrounding area are stabilized to avoid clogging with sediments.

☐ Gravel fill will consist of clean/washed gravel w/ average size of 1" to 3" , and will be wrapped in nonwoven geotextile to separate it from the surrounding soil.

☐ At least 12" of soil will be placed on top of the gravel fill.

☐ A cleanout or inspection port will be provided.

☐ Infiltration testing was performed to ensure positive infiltration.

☐ A sump will be installed between the downspout and the Dry Well to collect debris and sediment.

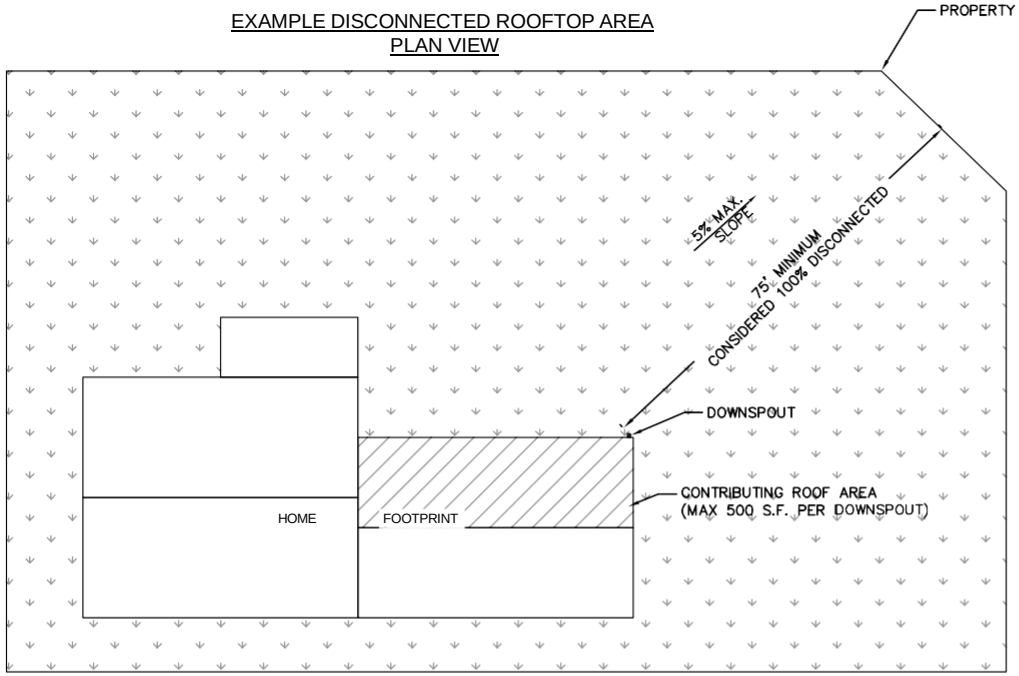
☐ The Dry Well will include a minimum of 20 cubic feet (cf) for each 100 square feet of impervious surface (roof, pavement, gravel, etc.) that drains to it. (20 cf of stone provides 8 cf of stormwater storage.)

☐ The outlet pipe will provide drainage away from the Dry Well to daylight.

☐ An emergency surcharge outlet will be provided and directed in a safe direction to a pervious (vegetated) area.

This form must be returned with the stormwater application if you are constructing a Rain Garden/Bioretention Area.

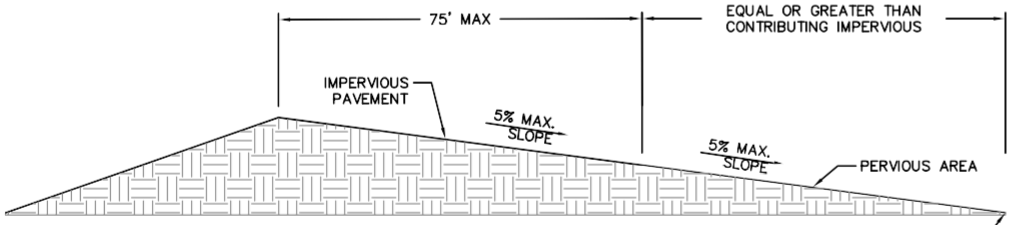
EXAMPLE DISCONNECTED ROOFTOP AREA
PLAN VIEW



ROOFTOP DISCONNECTION REQUIREMENTS

1. *THE CONTRIBUTING AREA OF ROOFTOP TO EACH DISCONNECTED DISCHARGE IS 500 SQUARE FEET OR LESS*
2. *THE SOIL IN PROXIMITY OF THE ROOF WATER DISCHARGE AREA IS CLASSIFIED AS USDA SOIL GROUP TYPE A, B OR C.*
3. *THE OVERLAND FLOW PATH FROM ROOF DISCHARGE AREA HAS A POSITIVE SLOPE OF 5% OR LESS.*
4. *PARTIAL CREDIT CAN BE TAKEN FOR FLOW PATH LENGTHS LESS THAN 75 FEET (SEE TABLE BELOW)*

PARTIAL CREDIT FOR ROOFTOP DISCONNECTION	
PERVIOUS FLOW PATH LENGTH	ROOF AREA TREATED AS DISCONNECTED
(FT)	(% OF CONTRIBUTING AREA)
0–14	0
15–29	20
30–44	40
45–59	60
60–74	80
75 OR MORE	100
* FLOW PATH CANNOT INCLUDE IMPERVIOUS SURFACES AND MUST BE AT LEAST 15 FEET FROM ANY IMPERVIOUS SURFACES	



EXAMPLE DISCONNECTED PAVEMENT
SECTION VIEW

PAVEMENT DISCONNECTION REQUIREMENTS

1. *THIS APPLIES GENERALLY ONLY TO SMALL OR NARROW PAVEMENT STRUCTURES SUCH AS DRIVEWAYS AND NARROW PATHWAYS THROUGH OTHERWISE PERVIOUS AREAS. THE TERM IMPERVIOUS PAVEMENT IS USED BROADLY TO REFER TO ANY IMPERVIOUS MATERIAL INCLUDING ASPHALT PAVEMENT, GRAVEL, CONCRETE, ETC.*
2. *THE CONTRIBUTING FLOW PATH OVER IMPERVIOUS AREA IS NOT MORE THAN 75 FEET.*
3. *THE LENGTH OF OVERLAND FLOW IS GREATER THAN OR EQUAL TO THE CONTRIBUTING LENGTH.*
4. *THE SOIL IN PROXIMITY OF THE PAVEMENT WATER DISCHARGE AREA IS CLASSIFIED AS USDA SOIL GROUP TYPES A, B OR C.*
5. *THE SLOPE OF THE CONTRIBUTING IMPERVIOUS AREA IS 5% OR LESS.*
6. *THE SLOPE OF THE OVERLAND FLOW PATH IS 5% OR LESS.*

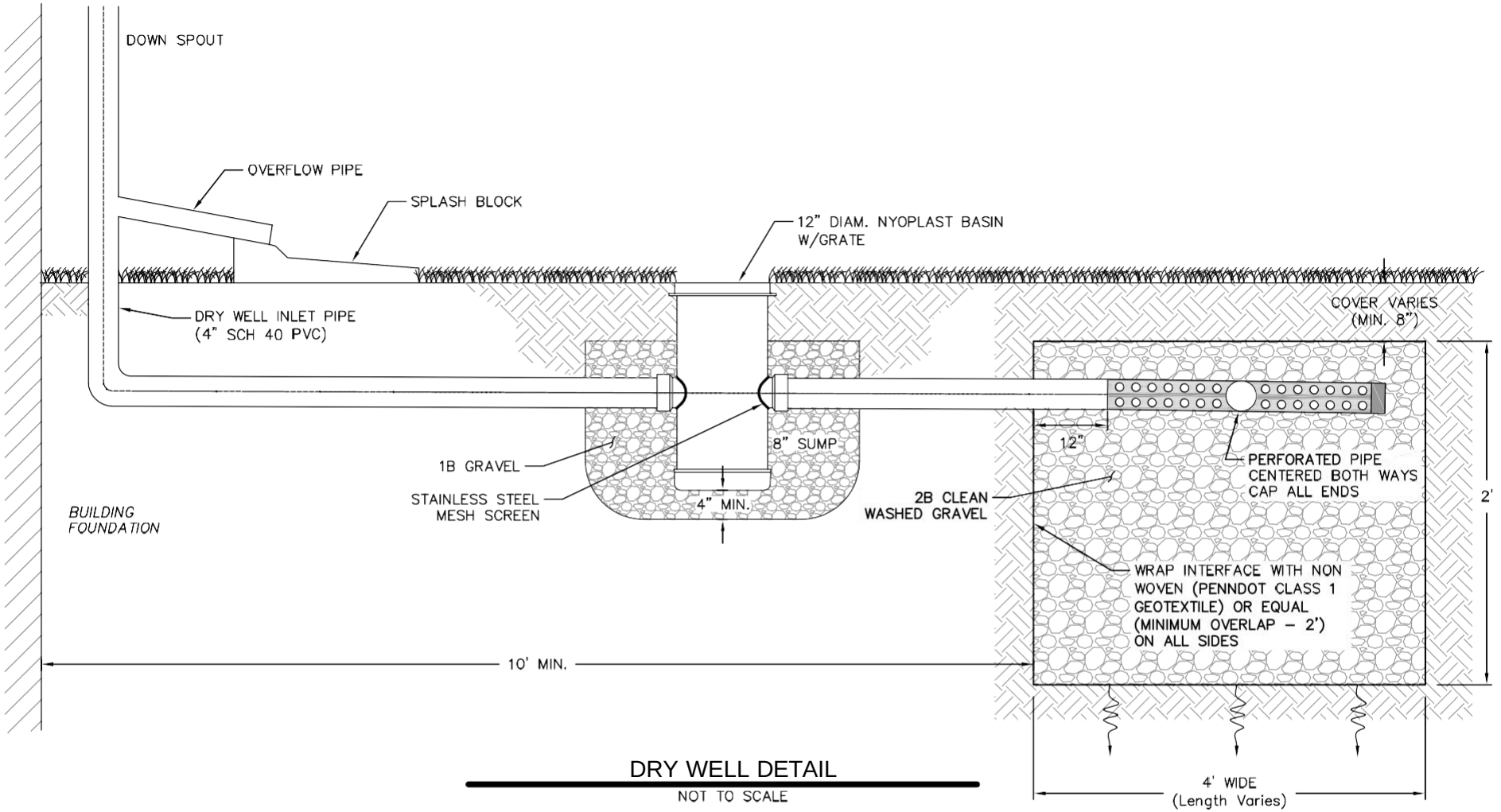
TYPICAL DISCONNECTED IMPERVIOUS AREA DETAILS

NOT TO SCALE

R K Webster, LLC
Civil Engineering Consultants
513 Jordan Avenue
Montoursville, PA 17754
Ph (570) 435-3489

STORMWATER MANAGEMENT DETAIL- DISCONNECTED IMPERVIOUS AREA

BASED UPON PA DEP STORMWATER BMP MANUAL



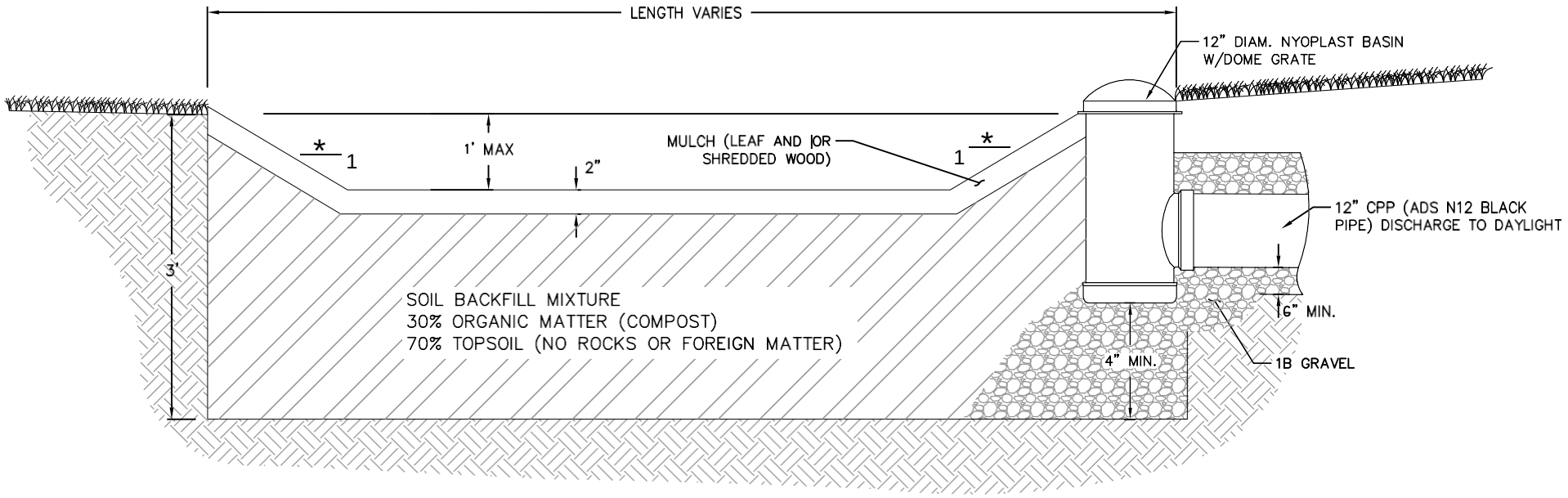
DRY WELL DETAIL

NOT TO SCALE

R K Webster, LLC
Civil Engineering Consultants
513 Jordan Avenue
Montoursville, PA 17754
Ph (570) 435-3489

STORMWATER MANAGEMENT DETAIL- DRY WELL

BASED UPON PA DEP STORMWATER BMP MANUAL



SLOPE 3:1 OR FLATTER

*

RAIN GARDEN DETAIL

NOTE:

1. *EXCAVATE RAIN GARDEN AREA TO DEPTH OF 3'–2" AND SCARIFY EXISTING SOIL SURFACES. DO NOT COMPACT SOILS.*
2. *BACKFILL RAIN GARDEN WITH SOIL MIXTURE, OVERFILL TO ALLOW FOR SETTLEMENT. LIGHT HAND TAMPING IS ACCEPTABLE IF NECESSARY.*
3. *PRESOAK SOIL TO AID IN SETTLEMENT, THEN COMPLETE GRADING TO SPECIFIED DEPTH AND ADD A LAYER OF MULCH.*
4. *RAIN GARDEN AREA SHALL BE VEGETATED WITH NATIVE FLOODPLAIN PLANT SPECIES.*

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STORMWATER MANAGEMENT DETAIL- RAIN GARDEN

BASED UPON PA DEP STORMWATER BMP MANUAL