



HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Karen Burditt
Chair

Date: 5/1/2025

MEMORANDUM

TO: Rabbiah Sabbakhan
Department of Permitting Services

FROM: Dan Bruechert
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit #1110102 & #1111619 - Grading and Fenestration Alterations

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the April 23, 2025 HPC meeting.

The HPC staff has reviewed and stamped the attached submission materials.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Mike Sherman
Address: 5419 Mohican Rd., Bethesda

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete, the applicant will contact Dan Bruechert at 301-563-3408 or dan.bruechert@montgomeryplanning.org to schedule a follow-up site visit.

Sherman Residence

5419 Mohican Road
Bethesda, MD 20816

Owner

Michael and Carey Sherman
5419 Mohican Road
Bethesda, MD 20816



1 North Front Elevation
Scale: 1/4" = 1'-0"



2 West Side Elevation (Service Entry)
Scale: 1/4" = 1'-0"

APPROVED
Montgomery County
Historic Preservation Commission
Karen Bunkle

REVIEWED
By Dan Bruechert at 1:12 pm, May 01, 2025

April 2, 2025

North and West
Elevation

A.100

Sherman Residence

5419 Mohican Road
Bethesda, MD 20816

Owner

Michael and Carey Sherman
5419 Mohican Road
Bethesda, MD 20816

April 2, 2025

South and East
Elevation

A.101



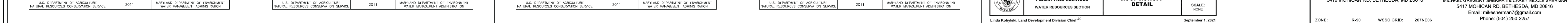
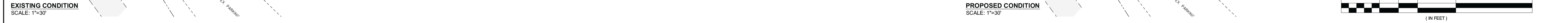
1 South Rear Elevation
Scale: 1/4" = 1'-0"



2 East Side Elevation (Basement)
Scale: 1/4" = 1'-0"

APPROVED
Montgomery County
Historic Preservation Commission
Karen Bunkle

REVIEWED
By Dan Bruechert at 1:12 pm, May 01, 2025

[illegible]

Use of staking and goring is not recommended unless trees will be planted in areas subject to sustained wind, vandalism, or a high level of pedestrian and vehicular traffic. All staking and goring materials should be removed within six months to one year.

See Department of Permitting Services Staking and Goring Detail for more information.

At least one-eighth of root ball should be above grade or up to one-third for poorly drained sites.

A raised ring of soil may be formed to increase the percolation of water on dry or sloped sites.

Slope sides of planting hole and breakup glazed surfaces on slopes.

Leave soil at base of planting hole undisturbed to avoid over-settlement of rootball.

Planting hole width should equal 2 to 3 x width of rootball.

Use original soil for backfill. Do not add soil amendments unless needed to improve drainage, soil structure, or water-holding capacity. Do not add fertilizer or nutrients unless need is indicated by soil test.

Remove basket wire, plastic, rope, twine and burlap from top half or more of root ball. Circling roots should be loosened, spread out or removed if necessary.

Apply maximum of 2-3 inches of shredded wood mulch. DO NOT place any mulch within 3 inches of tree trunk.

Install tree guard to protect trunk from sun, mowing equipment, string trimmers, and animals. Remove before trunk becomes constricted.

Trees shall meet all requirements for plant materials in ANSI Z60.1 (American Standard for Nursery Stock).

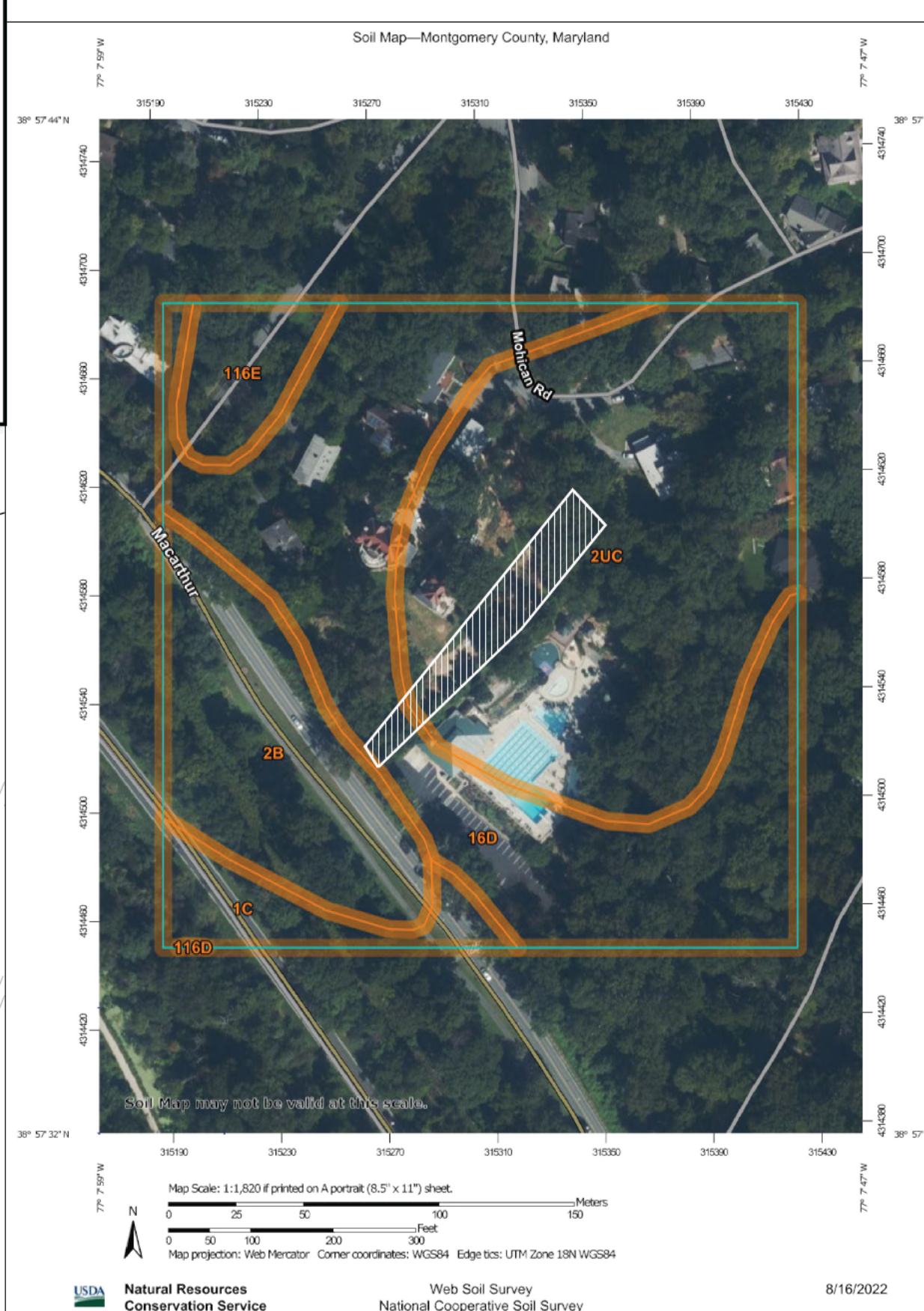
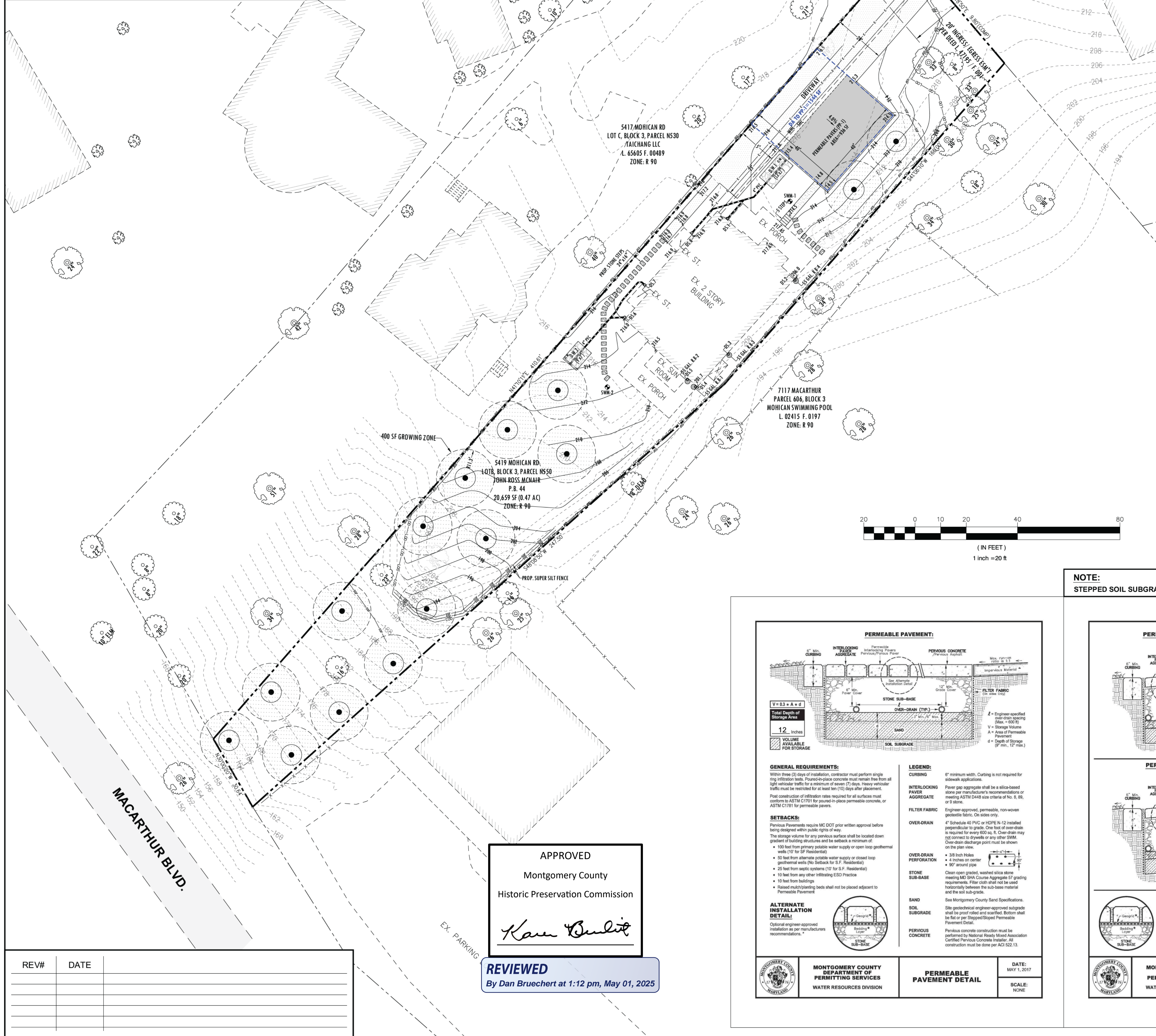
This detail is based on ANSI A300 (Part 6) 2012 Planting and Transplanting, and its companion publication, Best Management Practices: Tree Planting, copyright 2005 by the International Society of Arboriculture.

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES

TREE PLANTING DETAIL FOR BALLED AND BURLAP NURSERY STOCK

DATE: 5/16

SCALE: NONE



Rain Barrel Building Instructions

Step A
Cut a hole in the top of your barrel for the inlet drain. The hole should only be large enough to allow the diverter connector to fit. Cut the hole using either a drill or carefully measure and mark the area to be cut, start a pilot hole, and cut out the marked area with a jigsaw.

Step B
Cut a hole to accommodate the overflow adapter. You may need to sand the hole somewhat larger to screw in the adapter. Expect a snug fit. The diameter of the hole will vary based on your overflow pipe size. This hole is not needed if you use the in-line diverter option.

Step C
Use a 1/5" 16-inch drill bit to cut a hole for the 1/2-inch brass hose bibb.

Step D
Insert the threaded end of the overflow adapter into the overflow hole. Keep the adapter straight as you prepare to screw it into the locking ring, inside the barrel/overflow valve.

Step E
Insert the threaded hose bibb into the already drilled hole. Keep the hose bibb straight as you screw it into the barrel.

Step F
If you are using a filter on the inlet, insert it between the diverter pipe and the barrel.

Step G
Attach the overflow pipe to the adapter and caulk as necessary.

Step H
Attach a garden hose or soaker hose to your hose bibb.

Step I
Use cinderblocks or similar pavers to elevate the completed rain barrel off the ground to ensure easier access to the hose bibb and facilitate gravity-fed drainage.

RAIN BARREL DETAIL

Manufacturer: FCM OUTDOOR RAINCATCHER

Rain barrels are re-purposed or "upcycled" high quality food-grade drums that were designed for a landfill. We re-purpose these drums into rain barrels using socially and environmentally conscious labor and manufacturing processes.

Specifications:
Black color
50 gallon capacity
Polyethylene
Looking cap
Overflowing ports
Also available in Terra-cotta

SOIL SUMMARY TABLE

Map unit symbol	Map unit name	HSG	K Factor	Drainage Class	Acres in AOI	Percent of AOI
2UC	Glacial-Urbansand complex, 8 to 15 percent slopes	B	0.28	0	0.42	87.50%
16D	Bricklow-Blocktown claystone silt loam, 15 to 25 percent slopes	C	0.24	5	0.06	12.50%
Total for Area of Interest					0.48	87.50%

<https://websoilseries.sc.egov.usda.gov/Ap/Viewer/SoilSurvey.aspx>

ROOF DRAINAGE PLAN

SCALE: 1"=10'

PROPOSED TREE TABLE					
QTY.	COMMON NAME	BOTANICAL NAME	MAIN HEIGHT	CALIPER	REMARKS
1	White Oak	Quercus alba	15' 20"	2"	ROW
15	White Oak	Quercus alba	15' 20"	2"	Onsite

STANDARD TREE CANOPY NOTE
Any shade tree planted to comply with Chapter 55 of the County Code must conform to the following:
1. Each shade tree must meet the requirements for plant material in ANSI Z60.1.
2. Each shade tree must be a minimum of 2" caliper.
3. Installation of each shade tree must meet all requirements of ANSI A300.
4. At the time of planting:
a. Tree guards to protect trees from deer rubbing, mowers, weed eaters, other equipment and large rodents must be installed on all shade trees;
b. Mulch must be applied;
c. Sufficient water must be applied to aid in proper planting.
5. Shade trees must be installed between October 15th and May 15th as long as the ground is not frozen, saturated, or covered with snow such that a suitable hole cannot be dug;
6. Shade trees must not be installed between May 16th and October 14th of each year. If installation cannot occur between October 15th and May 15th for any reason, or if proposed trees are not planted for any other reason, the permittee must pay the required fee in lieu.
7. If shade trees are installed prior to final stabilization of the land disturbing activity then no additional disturbance must occur within five feet of the stem of the tree. Protective fencing must be installed at the edge of this area at the same time the tree is installed and must remain in place until final stabilization occurs.
8. The location of growing zones and planting areas must be clearly marked in the field prior to installation of any shade tree.
9. A copy of the approved sediment control plan showing all approved growing zones and planting areas must be available on the site at all times.
10. At least one inspection must occur after all construction activities are completed to determine the level of compliance with shade tree planting requirements.

LEGEND

FEATURE	SYMBOL	FEATURE	SYMBOL
EXISTING STRUCTURES	---	EXISTING WATER LINE	---
PROPOSED STRUCTURES	---	EXISTING SEWER LINE	---
PROPERTY BOUNDARY LINE	---	EXISTING SANITARY SEWER MANHOLE	---
EXISTING TOPOGRAPHY	---	PROPOSED WATER HOUSE CONNECTION	---
PROPOSED GRADING	---	PROPOSED SEWER HOUSE CONNECTION	---
PROPOSED SPOT ELEVATION	---	PROPOSED GRAVEL DRYWELL	---
PROPOSED STORM DRAIN PIPE	---	PROP. CONCRETE PERMEABLE PAVEMENT	---
EXISTING FENCE	---	PROPOSED DOWNSPOUT	---
LIMIT OF DISTURBANCE	---	SUPER SILT FENCE	---
POWER POLE	---	PROPOSED RETAINING WALL	---
PROP. STABILIZED CONSTRUCTION ENTRANCE	---	BUILDING RESTRICTION LINE	---
GAS LINE	---	OBSERVATION WELL	---
ROAD CENTERLINE	---	PROPOSED RAIN BARREL	---
DRAINAGE AREA LINE	---	SOIL BORING-INFLTRATION TEST HOLE	---
TREE PROTECTION FENCE/ROOT PRUNING	---	SOIL BORING- HAND AUGER	---
EXISTING SHRUB	---	PROPOSED UNDERGROUND ELECTRIC LINE	---
PROPOSED PERMEABLE DRIVEWAY	---	EXISTING TREE (TO BE REMOVED) CRITICAL ROOT ZONE (C.R.Z.)	---
PROPOSED CONCRETE PAVEMENT	---	EXISTING TREE (TO BE REMOVED) CRITICAL ROOT ZONE (C.R.Z.)	---
PROPOSED TREE (PLANTING) 400 SF GROWING ZONE	---		

Address: 5419 Mohican Road, Bethesda, MD 20816

Lot #: 8

Lot Area: 20559 S.F.

Limit of Disturbed (LOD) Area: 17556 S.F. (A)

Imperious Area

Based On Lot Area

Building (Roof): 2366 S.F.

Sidewalk & Walkway: 187 S.F.

Porch & Stoop: 343 S.F.

Driveway: 2930 S.F.

Total Imperious Area (Size Area): 5822 S.F.

Percent Total Imperious Area: 28.20%

Percent Imperious Area (Based on LOD): 39.20%

Calculation

Hydrologic Soil Group: A

Soil Type: 2UC

Percentage: 0.00%

Target PE: 1.60 inch

R=0.00 (0.00%)

ESDv=(PE)(Rv)(A)/12= 959 C.F.

Provide Practices to Attenuate Roof Runoff

Gravel Drywell- 1

DA To Practice= 823 S.F.

DA To Practice= 823 S.F.

Provide maximum volume equal to 2.6" of rainfall therefore volume allowed is:

V=(2.6")(.95)(823 S.F.)/12= 169 C.F.

Provide Gravel Drywell System

Void Ratio: 0.40

Size Drywell:

Depth= 5.00 Feet

Length= 12.00 Feet

Width= 7.00 Feet

Drywell Area= 84 S.F.

Volume Provided=(0.4)(Area)(Depth)= 168 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 2.58 in <2.6 inch-OK

Gravel Drywell- 2

DA To Practice= 615 S.F.

DA To Practice= 615 S.F.

Provide maximum volume equal to 2.6" of rainfall therefore volume allowed is:

V=(2.6")(.95)(615 S.F.)/12= 127 C.F.

Provide Gravel Drywell System

Void Ratio: 0.40

Size Drywell:

Depth= 5.00 Feet

Length= 9.00 Feet

Width= 7.00 Feet

Drywell Area= 63 S.F.

Volume Provided=(0.4)(Area)(Depth)= 126 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 2.58 in <2.6 inch-OK

Rain Barrel- 1

DA To Practice= 71 S.F.

DA To Practice= 71 S.F.

Provide minimum volume equal to 0.2" of rainfall therefore volume allowed is:

Req. ESDv=(0.2")(.90)(71 S.F.)/12= 1.07 C.F.

Provide Rain Barrel

Volume Provided= 7 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 0.45 in <2.6 inch-OK

Rain Barrel- 2

DA To Practice= 209 S.F.

DA To Practice= 209 S.F.

Provide minimum volume equal to 0.2" of rainfall therefore volume allowed is:

Req. ESDv=(0.2")(.90)(209 S.F.)/12= 3.14 C.F.

Provide Rain Barrel

Volume Provided= 7 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 0.45 in <2.6 inch-OK

Rain Barrel- 3

DA To Practice= 365 S.F.

DA To Practice= 365 S.F.

Provide minimum volume equal to 0.2" of rainfall therefore volume allowed is:

Req. ESDv=(0.2")(.90)(365 S.F.)/12= 5.48 C.F.

Provide Rain Barrel

Volume Provided= 7 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 0.26 in <2.6 inch-OK

Rain Barrel- 4

DA To Practice= 283 S.F.

DA To Practice= 283 S.F.

Provide minimum volume equal to 0.2" of rainfall therefore volume allowed is:

Req. ESDv=(0.2")(.90)(283 S.F.)/12= 4.25 C.F.

Provide Rain Barrel

Volume Provided= 7 C.F.

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 0.33 in <2.6 inch-OK

Permeable (Porous Concrete) Pavement PP-1

Imperious Drainage Area (A_p)= 608 S.F.

Permeable Paving Area (A_p)= 935 S.F.

DA ratio (A_p/A_p)= 0.65

Stone Sub-base Depth= 6"

Sand Depth= 6"

Total Depth of Storage (d_s)= 12"

Void Ratio= 0.30

Constructed Treatment Volume (ESDv)= 281 C.F.

ESDv=(max)(2.6")(.95)(608+936 S.F.)/12= 318 C.F.

ESDv < ESDv(max) OK

Provide maximum volume equal to 2.6" of rainfall therefore volume allowed is:

ESDv=(max)(2.6")(.95)(608+936 S.F.)/12= 318 C.F.

ESDv < ESDv(max) OK

Rainfall Attenuated by this System is ESDv=(PE)(Rv)(A)/12

Re-Arranging: PE=1.2ESDv/(Rv)(A)= 2.30 inch <2.6 inch-OK

SUMMARY FOR LOT 8

Gravel Drywell-1: Size= 5'x 12'x 7" and device Volume= 168 C.F.

Gravel Drywell-2: Size= 5'x 9'x 7" and device Volume= 126 C.F.

Rain Barrel- 1: Size= 7 C.F.

Rain Barrel- 2: Size= 7 C.F.

Rain Barrel- 3: Size= 7 C.F.

Rain Barrel- 4: Size= 7 C.F.

Permeable (Porous Concrete) Pavement PP-1: Size= 936 S.F. and device Volume= 281 C.F.

Total Volume Provided=603 C.F.

Total volume provided in proposed systems is 603 C.F., which is less than the required target volume of 959 C.F. Therefore, the required ESDv to MEP has not been satisfied.

Re-Arranging: PE_(achieved)=1.2ESDv/(Rv)(A)= 1.01 inch <2.6 inch-OK

DRYWELL	ELEV. A	ELEV. B	ELEV. D	DIMENSIONS (DxLxW) (ft)	CONTRIBUTING IMPERVIOUS AREA (sf)	STORAGE CAPACITY (cf)
D.W.1	215.60	214.10	208.10	5' x 12' x 7"	823	168
D.W.2	214.50	212.50	207.50	5' x 9' x 7"	615	126

FROM	TO	LENGTH (ft)	INVERT IN ELEV. C	SLOPE (%)	
DS-8	D.W.1	38	215.57	213.27	6.39%
DS-7	D.W.2	35	214.17	211.67	7.14%

EROSION AND SEDIMENT CONTROL & STORMWATER MANAGEMENT PLAN

5419 MOHICAN ROAD

PROJECT ADDRESS

5419 MOHICAN RD, BETHESDA, MD 20816

OWNER/ APPLICANT INFO

MICHAEL GREGORY SHERMAN & CAREY NICOLE SHERMAN

5417 MOHICAN RD, BETHESDA, MD 20816

Email: mksheherm7@gmail.com

Phone: (504) 250 2257

DISTRICT 7

MONTGOMERY COUNTY, MARYLAND

ZONE: R-80

TAX ACC.: 03862311

TAX MAP: 0M53

WSBC GRD: 207N08

BLOCK: 3

LOT: 8

PROFESSIONALS' REVIEW STATEMENT

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NUMBER: 22742 EXPIRES: JUNE 15, 2026

DRAWN BY: PG

CHECKED BY: MR

DATE

FEB, 2025

SCALE

1"=20'

SHEET NUMBER

SCSF002