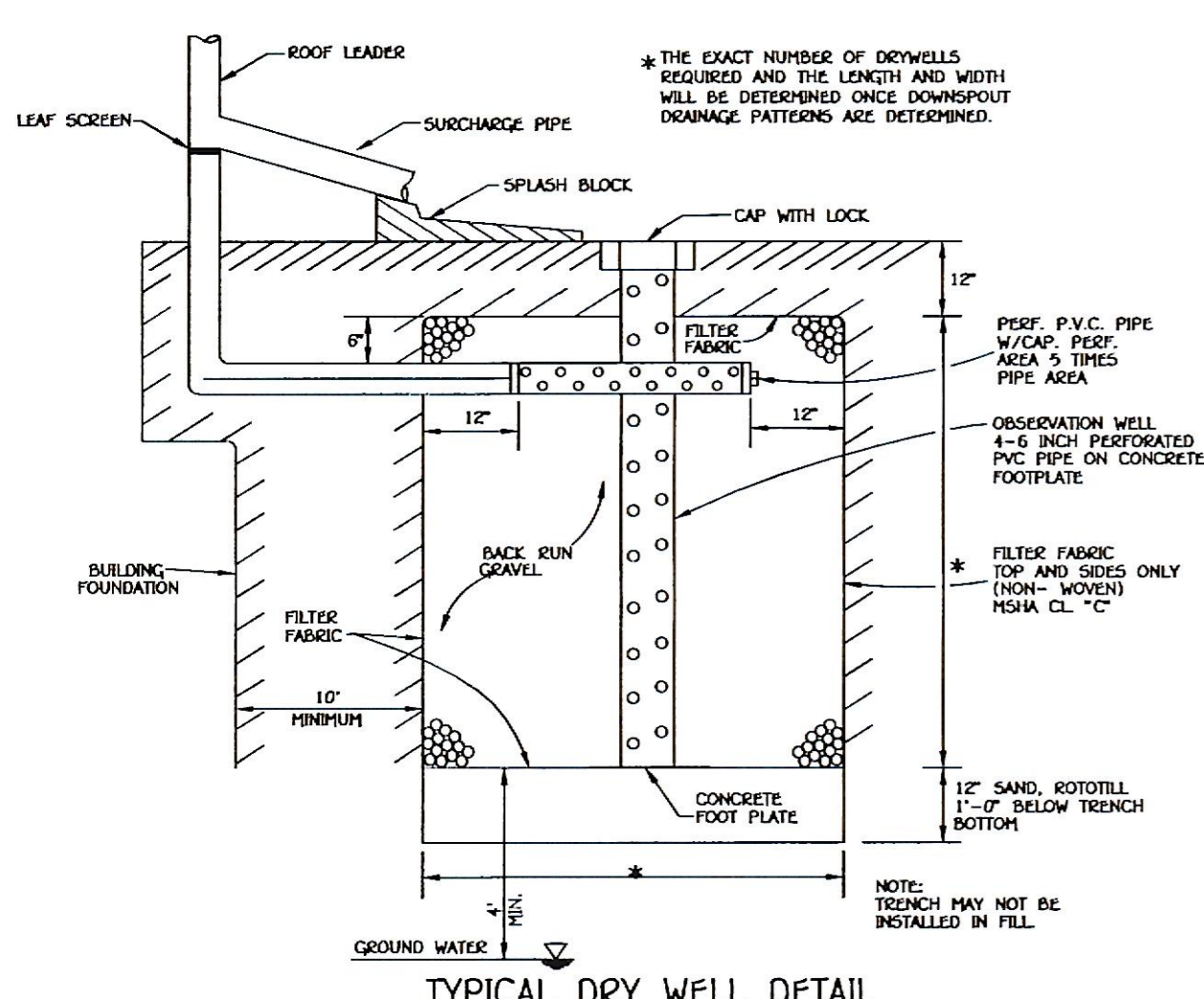


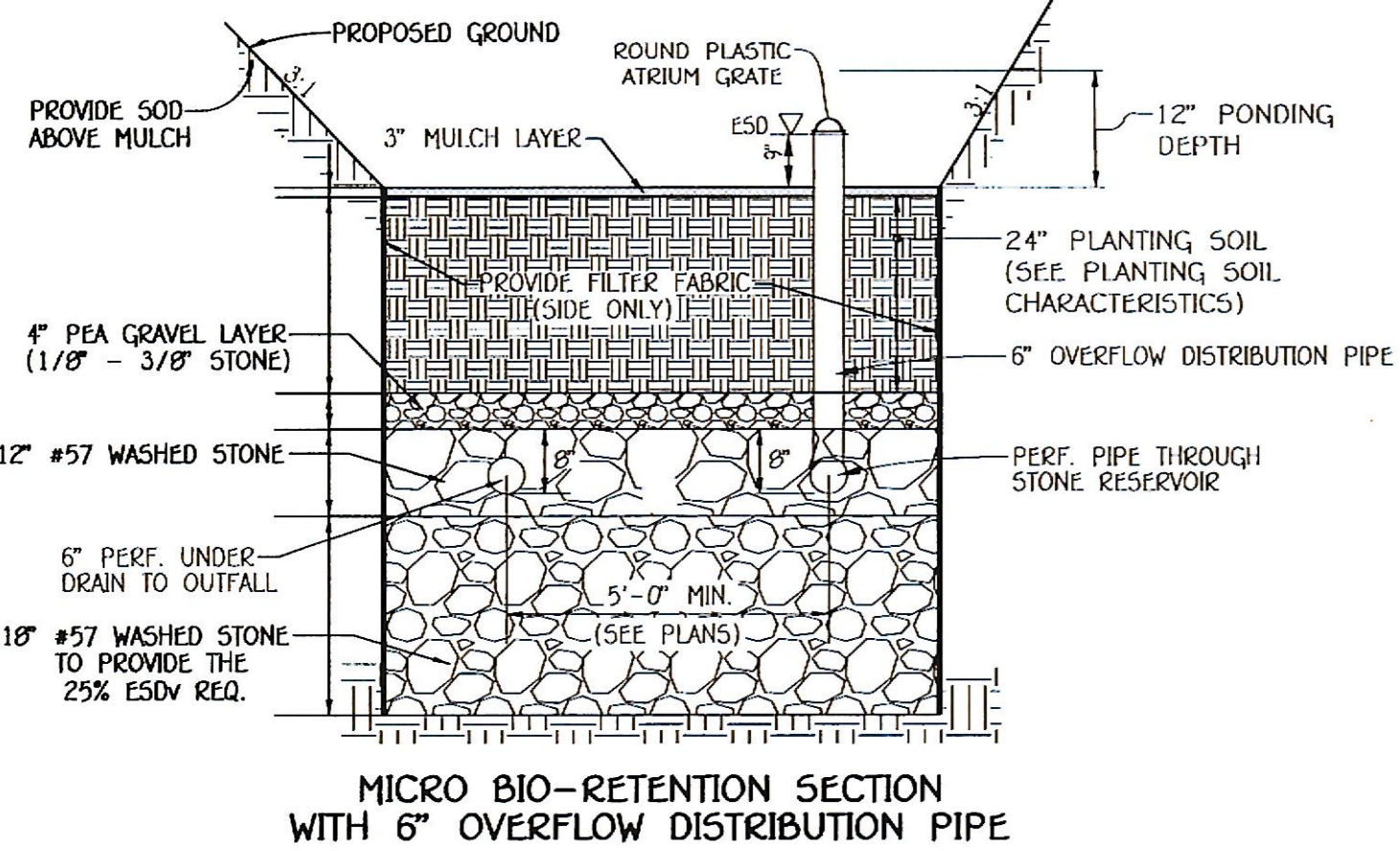
SOILS LEGEND		
SOIL	NAME	CLASS
GbB	Gladstone loam, 3 to 8 percent slopes	B
GbC	Gladstone loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
MaD	Manor loam, 15 to 25 percent slopes	B

NOTES:
 • Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 † Generally only within 100-year floodplain areas



OPERATION AND MAINTENANCE SCHEDULE FOR DRYWELLS (M-5)

- The owner shall inspect the monitoring wells and structures on a quarterly basis and after every heavy storm event.
- The owner shall record the water levels and sediment build up in the monitoring wells over a period of several days to insure trench drainage.
- The owner shall maintain a log book to determine the rate at which the facility drains.
- When the facility becomes clogged so that it does not drain down within a seventy two (72) hour time period, corrective action shall be taken.
- The maintenance log book shall be available to Howard County for inspection to insure compliance with operation and maintenance criteria.
- Once the performance characteristics of the infiltration facility have been verified, the monitoring schedule can be reduced to an annual basis unless the performance data indicates that a more frequent schedule is required.



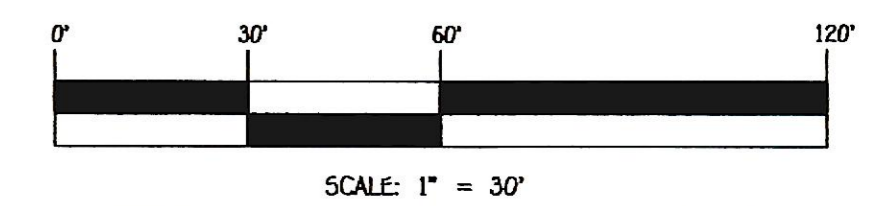
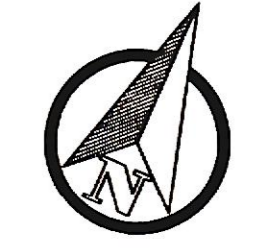
Operation And Maintenance Schedule For Privately Owned & Maintained Bio-Retention Areas (M-6)

- The HOA shall maintain the plant material, mulch layer and soil layer annually, maintenance of mulch and soil is limited to correcting areas of erosion or wash out. Any mulch replacement shall be done in the spring. Plant material shall be checked for disease and insect infestation and maintenance will address dead material and pruning. Acceptable replacement plant material is limited to the following: 2000 Maryland stormwater design manual volume II, table A-4.1 and 2.
- The HOA shall perform a plant in the spring and in the fall each year, during the inspection, the owner shall remove dead and diseased vegetation considered beyond treatment, replace dead plant material with acceptable replacement plant material, treat diseased trees and shrubs and replace all deficient stakes and wires.
- The HOA shall inspect the mulch each spring. The mulch shall be replaced every two to three years. The previous mulch layer shall be removed before the new layer is applied.
- The HOA shall correct soil erosion on an as needed basis, with a minimum of once per month and after each heavy storm.



LEGEND	
SYMBOL	DESCRIPTION
-492 -	EXISTING CONTOUR 2' INTERVAL
-490 -	EXISTING CONTOUR 10' INTERVAL
-492 -	PROPOSED CONTOUR 2' INTERVAL
-490 -	PROPOSED CONTOUR 10' INTERVAL
+499.50	SPOT ELEVATION
-5F - 5F	SILT FENCE
-55F - 55F	SUPER SILT FENCE
---	DRAINAGE LIMITS
---	SOILS LIMIT
---	LIMIT OF DISTURBANCE
---	PROPOSED STREET TREE
---	RECREATIONAL OPEN SPACE
---	SLOPES (24.9% AND GREATER)
---	SLOPES (15% TO 24.9%)
---	EXISTING TREELINE
---	PROPOSED TREELINE
WB	WETLANDS BUFFER
WL	WETLANDS LIMITS
FP	FLOODPLAIN LIMITS

DRAINAGE AREA DATA				
STRUCTURE NO.	DRAINAGE AREA	AREA	%	ZONED
I-1	A	0.22 AC.	0.96	R-12
I-2	B	0.06 AC.	0.43	R-12
I-3	C	0.32 AC.	0.43	R-12
I-4	D	0.06 AC.	0.51	R-12



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 18722 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461-2895

Chief, Division of Land Development _____ Date _____

Chief, Development Engineering Division _____ Date _____

Director - Department of Planning and Zoning _____ Date _____



ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer (print name below signature) Aldo Michael Vitucci _____ Date _____

DEVELOPER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer (print name below signature) _____ Date _____

Owner & Developer

Mr. Lutfi On
 2434 HIGH RIDGE ROAD
 ELLICOTT CITY, MARYLAND 21043
 410-531-3300

NO.	REVISION	DATE

DEED NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
13535/00492	N/A	R-12	35	5th	606901

DRAINAGE AREA MAP

LUTFI PROPERTY
LOT 1 & NON-BUILDABLE BULK PARCEL 'A'
 (FORMALLY KNOWN AS SUNDSTROM FAMILY PROPERTY)

Zoned: R-12
 Tax Map No.: 35 Grid No.: 13 Parcel No.: 56
 Fifth Election District Howard County, Maryland
 Scale: As Shown
 Date: August 5, 2020
 Sheet 4 of 11