

SOILS LEGEND		
SOIL	NAME	CLASS
GpB	Gladstone loam, 3 to 8 percent slopes	B
GpC	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

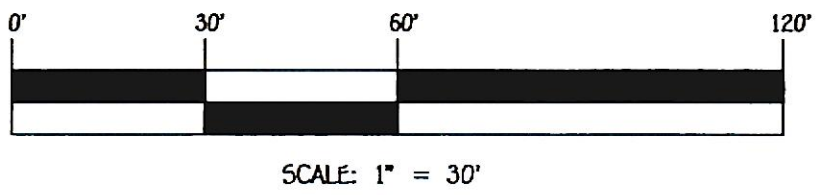
- NOTES:
- Hydic soils and/or contains hydric inclusions
 - May contain hydric inclusions
 - Generally only within 100-year floodplain areas

LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
+499.50	SPOT ELEVATION
-SF	SILT FENCE
-SSF	SUPER SILT FENCE
	DRAINAGE LIMITS
	SOILS LIMIT
L.O.D.	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

DETAIL G-2-4 BAFFLE BOARDS	STANDARD SYMBOL YES
<p>BAFFLES ARE REQUIRED TO PROVIDE A FLOW LENGTH BETWEEN INLET POINT AND OUTLET EQUAL TO THREE TIMES THE OPENING, MEASURED IN FEET.</p>	
<p>SET ELEVATION AT 1/2 OF THE DRY STORAGE (WET STORAGE ELEVATION + DRY STORAGE ELEVATION / 2) OR 1/2 IN BELOW MAIN CREST (OUTLET) WHICHEVER IS LOWER.</p>	
<p>POLETS MINIMUM 3 FT. IN DIAMETER SET AT LEAST 1 FT. INTO THE GROUND.</p>	
<p>BAFFLE DETAIL</p>	
<p>MINIMUM STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.</p> <p>U.S. DEPARTMENT OF AGRICULTURE</p> <p>NATURAL RESOURCES CONSERVATION SERVICE</p> <p>2011</p> <p>REVISIONS</p>	

BAFFLE DESIGN

A = SURFACE AREA AT WET STORAGE = 2,484 SQ.FT.
EFFECTIVE WIDTH = WE = (A/2)-0.5 = (2,484 / 2)-0.5 = 35'
FLOW LENGTH INFLOW TO OUTFLOW = 61'
L1 + L2 = 22' + 60' = 82' > 70' OR 2 X WE



- STONE OUTLET SEDIMENT TRAP #1 DATA
- TYPE OF TRAP: STONE OUTLET
 - INITIAL DRAINAGE AREA: 0.91 AC.±
 - FINAL DRAINAGE AREA: 1.38 AC.±
 - TOTAL STORAGE REQUIRED: 4,968 CU.FT.
 - TOTAL STORAGE PROVIDED: 6,801 CU.FT.
 - WET STORAGE REQUIRED: 2,484 CU.FT.
 - WET STORAGE PROVIDED: 2,484 CU.FT.
 - DRY STORAGE REQUIRED: 4,968 CU.FT.
 - DRY STORAGE PROVIDED: 4,968 CU.FT.
 - EXISTING GROUND ELEVATION AT OUTLET = 367.35 FT. (WET STORAGE ELEVATION)
 - TRAP BOTTOM ELEVATION: 366.00 FT.
 - TRAP BOTTOM DIMENSIONS: 21'x50'
 - WEIR LENGTH: 6'
 - WEIR CREST ELEVATION: 369.20 FT.
 - CLEANOUT ELEVATION: 366.80 FT.
 - TOP OF EMBANKMENT ELEVATION: 370.00 FT.
 - SIDE SLOPE: 2:1
 - EMBANKMENT TOP WIDTH: 4'
 - OUTLET PROTECTION LENGTH: 20 FT.
 - OUTLET PROTECTION DEPTH: 19 IN.

<p>FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 0295</p>	APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
	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 _____

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.	
Howard SCD _____	Date _____
<p>Owner & Developer</p> <p>Mr. Lutfi On 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300</p>	

NO.		REVISION		DATE	
SUBDIVISION		SECTION/AREA		LOT Nos.	
LUTFI PROPERTY		---		LOT 1	
DEED NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
13535/00492	N/A	R-12	35	5th	606901

EROSION & SEDIMENT CONTROL PLAN		
<p>LUTFI PROPERTY</p> <p>LOT 1 & NON-BUILDABLE BULK PARCEL 'A'</p> <p>(FORMALLY KNOWN AS SUNDSTROM FAMILY PROPERTY)</p>		
<p>Zoned: R-12</p> <p>Tax Map No.: 35 Grid No.: 13 Parcel No.: 56</p> <p>Fifth Election District Howard County, Maryland</p> <p>Scale: As Shown</p> <p>Date: August 6, 2020</p> <p>Sheet 6 Of 11</p>		