PRELIMINARY EQUIVALENT SKETCH PLAN

GENERAL NOTES 1. ALL CONSTRUCTION CTANANCES AND CTANANCE

BUILDABLE LOTS 1 THRU 5

ZONING: R-12

TAX MAP No. 35 GRID No. 13

PARCEL No. 56

CO	ORDINATE	TABLE
POINT	NORTH	EAST
1	556,949.16	1,330,739.85
2	556,695.71	1,330,485.82
3	556,741.66	1,330,462.41
4	556,757.76	1,330,453.92
5	556,775.02	1,330,445.43
6	556,830.66	1,330,417.03
7	556,873.94	1,330,399.48
8	556,034.91	1,330,558.69
9	556,130.07	1,330,652.68

MODERATE INCOME HOUSING C	HART (MIHU) APPLICATION EXEMPTION
	RACKING
TOTAL NUMBER OF LOTS/UNITS PROPOSED	5 .
NUMBER OF MIHU REQUIRED	1
NUMBER OF MIHU PROVIDED ONSITE	
(EXEMPT FROM APFO ALLOCATIONS)	0
NUMBER OF APFO ALLOCATIONS REQUIRED	
(REMAINING LOTS/UNITS)	5
MIHU FEE-IN-LIEU	1075
(INDICATE LOT/UNIT NUMBERS)	LOTS 1-5

MI	NIMUM	LC	T S	SIZE	CHA	RT
LOT No.	GROSS AREA	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PIPE:	STEM EA	MININ LOT :	
1	13,275 5	q.Ft.	1,212	5q.Ft.	12,055	5q.Ft.
2	13,275 5	q.Ft.	1,189	5q.Ft.	12,080	5q.Ft.
3	13,275 5	q.Ft.	788	5q.Ft.	12,486	Sq.Ft.
4	13,275 5	q.Ft.	372	5q.Ft.	12,903	5q.Ft.

	ROADWAY INFORMATI	ON CHART	
ROAD NAME	CLASSIFICATION	DESIGN SPEED	EASEMENT WIDTH
DRIVEWAY	PRIVATE USE-IN-COMMON DRIVEWAY	15 M.P.H.	24'

		STORMWA	ATER MANAGEMENT PR	RACTICE5	
LOT No.	DRY WELLS M-5 Y/N, NUMBER, SIZE	MICRO-BIORETENTION (M-6) Y/N, NUMBER	NON-ROOFTOP DISCONNECTION (N-2) Y/N	ROOFTOP DISCONNECTION (N-1) Y/N	BIO-RETENTION FACILITY (F-6) Y/N
1	YE5, ONE (1) 4'x8'x4'	NO	NO	NO	NO
2	YES, TWO (2) 4'x8'x4'	YE5	NO	NO	NO
3	YES, FOUR (4) 4'x8'x4'	YE5	NO	NO	NO
4	YE5, FOUR (4) 4'x8'x4'	NO	NO	NO	NO
5	YES, FOUR (4) 4'x8'x4'	NO	NO	NO	YE5

	STORMWATER	MANAGEMENT	SUMMARY
AREA ID	E5DV REQUIRED CU.FT.	E5DV PROVIDED CU.FT.	REMARKS
SITE	3,049	4,273	140% ESDV PROVIDED
TOTAL	3,049	4,273	

GROSS AREA = 1.56 ACRES = 1.56 ACRES = 55

TARGET Pe = 1.60

GENERAL NOTES: CONTINUED

- 36. THIS PLAN IS SUBJECT TO WAIVER PETITION WP-19-092 FOR AN ALTERNATIVE COMPLIANCE OF SECTION 16.1205(a)(10), WHICH IDENTIFIES SPECIMEN TREES AS A FOREST RETENTION PRIORITY. THIS WAIVER HAS BEEN APPROVED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND ZONING ON MAY 26, 2019 SUBJECT TO THE FOLLOWING CONDITIONS: 1. THE REMOVAL OF SPECIMEN TREES #2 AND #3 MUST BE MITIGATED WITH A 2:1 REPLACEMENT OF A NATIVE SPECIES MEASURING AT LEAST 21/2"-3" CALIPER AT THE TIME OF PLANTING. IF POSSIBLE, THEY SHOULD BE REPLACED WITH A RED MAPLE SPECIES OF MAPLE. PROHIBITED FOR PLANT USE PER A POLICY MEMO DATED JULY 1, 2010.
- 2. THIS ALTERNATIVE COMPLIANCE DOES NOT PERMIT REMOVAL OF ANY OTHER SPECIMEN TREES. ADDITIONAL APPROVAL WILL BE REQUIRED IF ADDITIONAL SPECIMEN TREES ON-SITE ARE REMOVED DURING THE DEVELOPMENT OF THIS PROPERTY.
- 3. THE REVISED PLANS FOR SP-10-002 MUST BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING WITHIN 30-DAYS OF THE
- ORIGINAL MAY 16, 2019 DEADLINE (ON OR BEFORE JUNE 16, 2019). 4. IN ACCORDANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND REGULATIONS, SECTION 16.144.(i)(2) STATES THAT IF THE DEPARTMENT OF PLANNING AND ZONING OR THE REVIEW COMMITTEE INDICATES THAT ADDITIONAL INFORMATION IS NEEDED IN ORDER TO DECIDE WETHER TO APPROVE THE PRELIMINARY PLAN, THE DEVELOPER SHALL PROVIDE THE INFORMATION WITHIN 45 DAYS OF RECEIVING SUCH INDICATION.
- 37. THIS PLAN IS SUBJECT TO DESIGN MANUAL WAIVER FOR AN ALTERNATIVE TEE-TURN AROUND OF HOWARD COUNTY DESIGN MANUAL IV. STANDARD DETAIL R-3.05 TO ALLOW FOR A NON-STANDARD TEE-TURN AROUND AT THE END OF THE USE-IN-COMMON DRIVEWAY. THIS APPROVAL LETTER IS DATED MAY 30, 2019.

FCONTROL STATION

REFER TO HOWARD CO. ADC MAP 31 E-3

ENVIRONMENTAL INFORMATION:

1. GROSS AREA OF TRACT = 1.56 ACRES

3. IMPERVIOUS AREA = 0.45 ACRES±

4. GREEN OPEN AREA = 1.11 ACRES =

6. AREA OF FLOODPLAIN = 0.0 ACRES

. LIMIT OF DISTURBANCE AREA = 1.52 ACRES±

8. FOREST AREA = 0.9 ACRES± (FEE-IN-LIEU) 9. WETLAND/WETLAND BUFFER AREA = 0.0 ACRES

5. PROPOSED SITE USE: SINGLE FAMILY DETACHED HOMES.

7. AREA OF 15% OR GREATER SLOPES = 0.44 ACRES±

SCALE: 1" = 2000"



FISHER, COLLINS & CARTER, INC.

VIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKI

ELLICOTT CITY, MARYLAND 21042

FIFTH BLECTION DISTRICT HOWARD COUNTY, MARYLAND

			SPECIMEN TR	REE CHART
NO.	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION
ST-1	57"	SILVER MAPLE	ACER SACCHARINUM	GOOD
ST-2	47.5"	SILVER MAPLE	ACER SACCHARINUM	POOR CONDITION, NOTABLE ROT
ST-3	32"	RED MAPLE	ACER RUBRUM	POOR CONDITION, NOTABLE ROT
ST-4	49"	TULIP POPLAR	LIRIODENDRON TULIPIFERA	GOOD CONDITION-OFFSITE
5T-5	35.5"	RED OAK	QUERCU5 RUBRA	POOR CONDITION, NOTABLE ROT IN CANOPY

ST-1, ST-2, ST-3 & ST-5 ARE TO BE REMOVED

TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

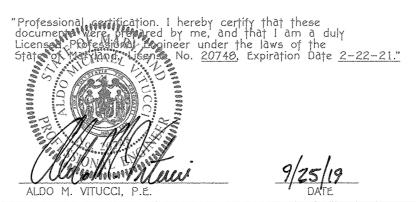
10-25-19 DATE

OWNER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043

410-531-3300

DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA
- 2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST (5) WORKING DAYS PRIOR TO THE START OF WORK.
- 3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEASE 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE. 4. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. 5. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY FISHER,
- COLLINS & CARTER, INC. DATED JULY 17, 2017. 6. THE COORDINATES ARE BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL
- STATIONS NO. 34-FB AND NO. 34-FE. HOWARD COUNTY MONUMENT NO. 34-FB - N 557,439.9130 E 1,330,191.3224 ELEV. (NAVD80) = 406.140
- HOWARD COUNTY MONUMENT NO. 34-FE N 558,339.6005 E 1,329,709.0245 ELEV. (NAVD00) = 431.110
- 7. PROPOSED WATER IS PUBLIC (CONTRACT NUMBER 14-1828-D) PROPOSED SEWER IS PUBLIC (CONTRACT NUMBER 14-1828-D)
- 6. STORMWATER MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH THE NEW MDE, CHAPTER 5 REGULATIONS AND THE NEW HOWARD COUNTY SWM MANUAL ADOPTED ON OR AROUND MAY 4, 2010. RECHARGE VOLUME WILL BE PROVIDED THROUGH THE USE OF A STONE RESERVOIR. WATER QUALITY AND CHANNEL PROTECTION VOLUME WILL NOT BE NEEDED FOR THIS PROJECT. OVERBANK FLOOD PROTECTION VOLUME AND EXTREME FLOOD VOLUMES ARE NOT REQUIRED FOR THIS SITE. THE STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED BY H.O.A. AND JOINTLY MAINTAINED BY H.O.A. AND HOWARD COUNTY.
- 9. EXISTING UTILITIES ARE BASED ON CONT. No. 34-4918-D (8"5) & 44-3299-D (12"W)
- 10. FLOODPLAIN INFORMATION IS BASED ON FEMA FLOOD MAPS DATED 10/16/12. IT DOES NOT APPEAR THAT THERE IS A FLOODPLAIN ON THIS
- 11. THE FOREST STAND DELINEATION AND WETLAND DELINEATION FOR THIS PROJECT WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC.
- DATED MARCH, 2017. THERE ARE NO WETLANDS ON-SITE. 12. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY MARS GROUP DATED MAY 2016 AND APPROVED ON DECEMBER 26, 2018
- 13. NO NOISE STUDY IS REQUIRED FOR THIS PROJECT. 14. THE GEO-TECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY HILLIS-CARNES, ENGINEERING ASSOCIATE INC. DATED SEPTEMBER 13, 2018. 15. BACKGROUND INFORMATION:
- a. SUBDIVISION NAME: LUFTI PROPERTY
- b. TAX MAP NO. 35 c. PARCELS NO. 56
- d. ZONING R-12 e. ELECTION DISTRICT: FIFTH
- f. TOTAL AREA OF TRACT = 1.56 ACRES q. NUMBER OF PROPOSED LOTS: 5
- NUMBER OF OPEN SPACE LOTS: 0
- i. AREA OF BUILDABLE LOTS = 1.56 ACRES
- . AREA OF OPEN SPACE LOTS: 0.00 ACRES
- k. AREA OF ROADWAY TO BE DEDICATED: 0.00 ACRES
- 1. PREVIOUS FILE NUMBERS: ECP 17-030 (Formerly SUNDSTRUM PROPERTY), WP-18-080, WP-19-092 m. AREA OF FLOODPLAIN = 0.00 ACRES
- n. AREA OF 25% AND GREATER SLOPES = 0.05 ACRES
- O. NET AREA OF TRACT = 1.51 AC. * 16. THIS SUBDIVISION PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE 2004 ZONING REGULATIONS PER COUNCIL BILL NO. 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY COUNCIL BILL NO 75-2003 NAD THE COMP LITE ZONING REGULATION AMENDMENTS EFFECTIVE 7/28/06. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS OR PARCELS MUST COMPLY WITH SETBACKS AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF A BUILDING OR GRADING PERMIT
- 17. SUBJECT PROPERTY IS ZONED R-12 PER THE COMPREHENSIVE ZONING PLAN.
- 18. OPEN SPACE REQUIREMENTS: a. AREA OF OPEN SPACE REQUIRED = 1.56 X 8% = 0.125 ACRES
- b. AREA OF OPEN SPACE PROVIDED = 0.00 ACRES. A FEE-IN-LIEU PAYMENT OF \$6000.00 (4 LOTS x \$ 1,500.00) WILL BE REQUIRED WITH THE
- 19. ALL FILL AREAS WITHIN ROADWAYS AND UNDER STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO
- 20. EXISTING STRUCTURES LOCATED ON SITE ARE TO BE RAZED AS SHOWN ON THE PLAN.
- 21. BOUNDARY OUTLINE BASED ON A FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS AND CARTER, INC. DATED JULY 17, 2017.
- 22. THERE IS ONE AREA OF STEEP SLOPES LOCATED ON THIS PROPERTY AS DEFINED BY THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116.b., (0.18 Ac.)
- 23. THE FOREST CONSERVATION ACT REQUIREMENTS FOR THIS PROJECT WILL BE MET THROUGH A FEE-IN-LIEU PAYMENT OF \$9,801.00 (0.3 ac. x 43560 sq.ft. x \$0.75/sq.ft.) FOR THE REQUIRED 0.3 ACRES OF AFFORESTATION OBLIGATION. "No Clearing, Grading or Construction Is Permitted Within The Forest Conservation Easement: However, Forest Management Practices As
- Defined In The Deed Of Forest Conservation Easement Are Allowed." 24. THIS PROPERTY IS LOCATED WITH THE METROPOLITAN DISTRICT.
- 25. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD R/W LINE AND NOT THE PIPESTEM LOT DRIVEWAY.
- 26. NO CEMETERIES OR HISTORIC STRUCTURES EXIST WITHIN THIS SUBDIVISION.
- 27. THE LANDSCAPE SURETY IN THE AMOUNT OF \$ 9,090.00 FOR THE PERIMETER LANDSCAPE REQUIREMENTS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL WILL BE POSTED WITH THE DEVELOPER'S AGREEMENT FOR THIS SUBDIVISION. PERIMETER LANDSCAPING FOR THIS DEVELOPMENT SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND LANDSCAPE MANUAL. FINAL LANDSCAPING REVIEW AND SURETY IS DEFERRED UNTIL THE FINAL SUBDIVISION PLAN STAGE.
- 28. SIGN POSTS: ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT OF WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3" LONG, A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- 29. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING REQUIREMENTS:
 - a. WIDTH 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE)
 - b. SURFACE SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
 - c. GEOMETRY MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 TURNING RADIUS.
- d. STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING) e. DRAINAGE ELEMENTS CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER THE DRIVEWAY SURFACE. f. STRUCTURE CLEARANCES - MINIMUM 12-FEET. g. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- 30. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS, STREAM OR THEIR REQUIRED BUFFERS.
- 31. FOR THE USE IN COMMON DRIVEWAY FOR LOTS 1 5, A PRIVATE RANGE ADDRESS SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPER'S/OWNER'S EXPENSE. CONTACT HOWARD COUNTY
- TRAFFIC DIVISION AT 410-313-5752 FOR DETAILS AND COST ESTIMATE. 32. SOILS INFORMATION TAKEN FROM SOIL SURVEY MAP NO. 23, HOWARD COUNTY, MARYLAND.
- 33. THIS PLAN IS SUBJECT TO WAIVER PETITION WP-18-080 FOR AN ALTERNATIVE COMPLIANCE OF SECTION 16.1205(a)(10), WHICH IDENTIFIES SPECIMEN TREES AS A FOREST RETENTION PRIORITY. THIS WAIVER HAS BEEN APPROVED BY THE DIRECTOR OF THE DEPARTMENT OF PLANNING AND ZONING ON APRIL 12, 2018 SUBJECT TO THE FOLLOWING CONDITIONS:
- 1. THE REMOVAL OF SPECIMEN TREE #1 MUST BE MITIGATED WITH A 3:1 REPLACEMENT OF A NATIVE SPECIES MEASURING AT LEAST 2" CALIPER AT PLANTING. IF POSSIBLE, IT SHOULD BE REPLACED WITH A SPECIES OF MAPLE. SILVER MAPLES ARE PROHIBITED FOR PLANT USE PER A POLICY MEMO DATED JULY 1, 2010.
- 2. THE REMOVAL OF SPECIMEN TREE #5 MUST BE MITIGATED WITH A 2:1 REPLACEMENT OF A NATIVE SPECIES MEASURING AT LEAST 1 1/2" TO 2" CALIPER AT PLANTING. IF POSSIBLE, IT SHOULD BE REPLACED WITH A RED OAK OR OTHER SPECIES OF OAK.
- 3. THIS ALTERNATIVE COMPLIANCE DOES NOT PERMIT REMOVAL OF ANY OTHER SPECIMEN TREES. ADDITIONAL APPROVAL WILL BE REQUIRED IF ADDITIONAL SPECIMEN TREES ON-SITE ARE REMOVED DURING THE DEVELOPMENT OF THIS PROPERTY.
- 4. PROVIDE A DETAILED NOTE ON ALL SUBSEQUENT PLANS DETAILING THIS ALTERNATIVE COMPLIANCE REQUEST, INCLUDING SECTIONS, DATE AND CONDITIONS OF APPROVAL.
- 34. LOTS 1 THRU 5 ARE SUBJECT TO SECTION 109.0.E OF THE ZONING REGULATIONS. AT LEAST 10% OF THE DWELLING UNITS SHALL BE MODERATE INCOME HOUSING UNITS (MIHU) OR AN ALTERNATIVE COMPLIANCE WILL BE PROVIDED. THE DEVELOPER SHALL EXECUTE AN M.I.H.U. AGREEMENT WITH THE DEPARTMENT OF HOUSING TO INDICATE HOW THE M.I.H.U. REQUIREMENT WILL BE MET. THE M.I.H.U. AGREEMENT AND COVENANTS WILL BE RECORDED SIMULTANEOUSLY WITH THE RECORD PLAT IN THE OFFICE OF HOWARD COUNTY, MARYLAND. THIS DEVELOPMENT WILL MEET M.I.H.U. ALTERNATIVE COMPLIANCE BY A PAYMENT OF A FEE-IN-LIEU TO THE DEPARTMENT OF HOUSING FOR EACH REQUIRED UNIT. MODERATE INCOME HOUSING UNIT (M.I,H,U,) TABULATION:
 - a. M.I.H.U. REQUIRED = (5 LOT5 X 10%) = 1 M.I.H.U.b. M.I.H.U. PROPOSED = DEVELOPER WILL PURSUE ALTERNATIVE COMPLIANCE BY PAYING A FEE-IN-LIEU TO THE HOWARD COUNTY HOUSING
 - DEPARTMENT FOR THE UNITS REQUIRED BY THE DEVELOPMENT.
 - C. AN EXECUTED M.I.H.U. AGREEMENT WITH THE HOWARD COUNTY HOUSING DEPARTMENT HAS BEEN COMPLETED AND WILL BE RECORDED AND WILL BE RECORDED SIMULTANEOUSLY WITH THE RECORD PLAT.
- 35. THE DEVELOPER WILL BE RESPONSIBLE FOR PAYMENT OF A FEE-IN-LIEU OF PROVIDING ROAD FRONTAGE IMPROVEMENTS AT THE FINAL DESIGN PORTION



PRELIMINARY EQUIVALENT SKETCH PLAN

LOTS 1 THRU 5 TAX MAP No. 35 GRID No. 13 PARCEL No. 56 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DATE: SEPTEMBER 25, 2019 SHEET 1 OF 7

	======================================				
SOILS LEGEND NAME KW CLASS				LOT 10 X	
GbB Gladstone loam, 3 to 8 percent slopes 0.20 B GbC Gladstone loam, 8 to 15 percent slopes 0.20 B	3		LOT 214		
*GmB Glenville silt loam, 3 to 8 percent slopes 0.37 C MaD Manor loam, 15 to 25 percent slopes 0.24 B	ROUTE STATE OF THE		8 8		
NOTES: * Hydric soils and/or contains hydric inclusions ** May contain hydric inclusions			31119	CLARKS GLEN SECTION 1, AREA T LOTS 1 THRU 64 PLAT No. 12032-12039 TAX MAP No. 35 ZONED R-12	
† Generally only within 100-year floodplain areas			SELECTION OF THE PROPERTY OF T		
				ST-3 TO BE REMOVED (SEE GENERAL NOTE No. 36, SHEET 1)	
			T 211	LOT 213 (BR)	
LEGEND				PROPERTY OF HOWARD COUNTY, MARYLAND PARCEL 440 / LOT 62 L /5965 F. 80	
SYMBOL DESCRIPTION			15,15	ST-2 TO BE REMOVED (SEE GENERAL NOTE NO. 36, SHEET 1) 0	
SLOPES (25% AND GREATER) SOILS LIMIT TO BE RAZED/REMOVED				ST-ST	
SLOPES (15% TO 24.9%) EXISTING TREELINE			LOT 212		
			Gb8 406		
	A 557,000	OPAN SPACE	SECUION 4 C. LOTS 211 THRU 214		
	00,520		AND OPEN SPACE LOT 215 PLAT No. 13371 TAX MAP No. 35 ZONED R-12	EXISTING HOUSE & DRIVEWAY TO BE REMOVED	
			402		
	Gb.		400 EX. D	X DWELLING *6301 SIRCA 1955 WELLING TO BE RAZED ST-5 TO BE REMOVED (SEE GENERAL NOTE No. 35, SHEET 1)	$\frac{1}{2} \frac{1}{2} \frac{1}$
				ST-52 (TBR)	
			37-1708	8	
		8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		8	392	EX. ØRIVEWAY (TO BE REMOVED)	
			ST-1 TO BE REMOVED SEE GENERAL NOTE NO. 33 SHEET 1) 390 EX. SEPTIC AREA		
		-372	TO BE REMOVED		
0' 30' 60' 120'				36	
SCALE: 1" = 30'	-36 ₄		-384.		
	30,236		382	PROPERTY OF HOWARD COUNTY, MARYLAND PARCEL 440 LOT 62 L 5965 F. 89	
		OSE STATE OF THE S	380	N. 556,750	
	N 556.750	CREAT STREET STR	4	N. 256,750	
			# 3 3 The state of		
			GAG		
			362		
			360		
			ÉX. FIRE		
	$\frac{1}{1-x} \times \frac{1}{x-x}$	$\overline{\times}$			∖i
DEPARTMENT OF	TIVELY APPROVED F PLANNING AND ZONING RD COUNTY			"Professional certification. I hereby certify that these documents were professional to me, and that I am a duly Licensed Professional topineer under the laws of the State of Waryland, License No. 20748, Expiration Date 2-22-21."	DEMOLITION PLAN
		OWNER	NEVEL 00=0	NECO OCCUPANTO DE LA CONTRACTOR DE LA CO	LUTFI PROPERTY LOTS 1 THRU 5
FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 PLANNING DIRECTOR	16 -25-19 R MM DATE	OWNER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300	DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300		ZONING: R-12 TAX MAP No. 35 GRID No. 13 PARCEL No. 56 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2055	R GRIN DATE	410-531-3300	410-531-3300	ALDO M. VITUCCI, P.E. DATE	DATE: SEPTEMBER 25, 2019 SHEET 2 OF 7 5P-18-002

I:\2011\11059\Engineering\Dwgs\SP 18-002 Drawings\11059

DRIVEWAY TURN AROUND 5CALE: 1" = 30"

THIS PLAN IS SUBJECT TO DESIGN MANUAL WAIVER FOR THE ALTERNATE T-TURN AROUND THAT WAS APPROVED ON MAY 30, 2019. SEE GENERAL NOTE NUMBER 37. 2. THIS PLAN INDICATES AN ADDRESS SIGN AT THE ENTRANCE WAY TO THE SUBDIVISION. A MORE DETAILED SIGN WITH THE FIRE AND RESCUE SERVICES WILL BE SHOWN ON THE FINAL PLAN.

PRIVATE REFUSE PAD LA	NDSCAPING
4' x 8' PAD NUMBER:	PAD NO. 1
NUMBER OF TREES REQUIRED: SHADE TREES EVERGREEN TREES SHRUBS	8
NUMBER OF TREES REQUIRED: SHADE TREES EVERGREEN TREES SHRUBS - (AZALEA 'BLAAW'S PINK'/ BLAAW'S PINK AZALEA PLANTED 18"-24" APART)	 8

· · · · · · · · · · · · · · · · · · ·								
			SCHE	EDULE A PERIMET	ER LANDSCAPE EDG	E		
OF CHAFTED	CATEGORY (PROPERTIES/	LANDSCAPE	LINEAR FEET OF OF ROADWAY	CREDIT FOR EXISTING VEGETATION	CREDIT FOR WALL, FENCE OR BERM	NUMBER	OF PLANTS	REQUIRED
PERIMETER	ROADWAYS)	TYPE	FRONTAGE PERIMETER	(YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	(YES, NO, LINEAR FEET)	SHADE TREES	EVERGREEN TREES	SHRUBS
P-1	ADJACENT TO ROADWAY	В	198.35'	NO	NO	4	5	_
P-2	ADJACENT TO PERIMETER	А	360.24'	NO	NO	6 5*		_
P-3	ADJACENT TO PERIMETER	А	200.70	NO	NO	3 4*		
P-4	ADJACENT TO PERIMETER	А	359.00'	NO	NO	6	_	_

*-DENOTES ADDITIONAL SHADE TREES TO REPLACE THE SPECIMEN TREES PER GENERAL NOTE NO. 36 - QTY. =9.

TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS NNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855

16-25-19 DATE

COLL

OWNER MR. LUTFI ON 9434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300

DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300 LOT 214

LOT 211

N 44°42'09" È 405.29'

`GLARK'S GLEN SEGUON 4 PLAT NON 4,3371 ZONED: R-12 -404 SECTION 4 '

ZONED: R-19

13,251 5q.Ft.

5 81 ° 41' 41"

13,344 54.Ft.,

PROPÉRIY O HOWARD COUNTY, MARYLAND PARCEL 440

9 25° 43' 15" E

MICRO BIO-RETENTION FACILITY #3 (M-6)

N_556,750

MICRO BIO-RETENTION FACILITY #2 (M-6)

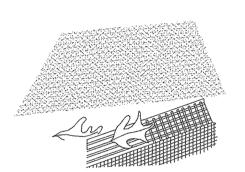
LOT 213

13,275 5q.Ft.

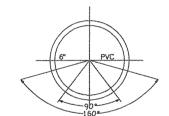
W BIO-RETENTION FACILITY #1 (F-6)

n. I hereby certify that these ed by me, and that I am a duly poineer under the laws of the No. <u>20748</u>, Expiration Date <u>2—22—21."</u>

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 -SF- SF SILT FENCE -55F SUPER SILT FENCE DRAINAGE LIMITS 50ILS LIMIT L.O.D. LIMIT OF DISTURBANCE PROPOSED STREET TREE RECREATIONAL OPEN SPACE SLOPES (24.9% AND GREATER) 5LOPES (15% TO 24.9%) EXISTING TREELINE PROPOSED TREELINE - WB --- | WETLANDS BUFFER ----- WL----- WETLANDS LIMITS FP FLOODPLAIN LIMITS



GUTTER DRAIN FILTER DETAIL



PVC OR HDPE).

GALVANIZED HARDWARE CLOTH.

HOLE SIZE: 3/8"

CENTER TO CENTER: 3"

ROWS OF HOLES: 2 @ 90°
2 @ 160° (+/- 3°)

5CH 40 PVC PERFORATED UNDERDRAIN PIPE DETAIL FOR HORIZONTAL DRAIN PIPE

NO SCALE

UNDERDRAIN PIPE SHALL BE 4" TO 6" DIAMETER, SLOTTED OR PERFORATED RIGID PLASTIC PIPE (ASTMF 758, TYPE P5 28 OR AASHTO-M- 278) IN A GRAVEL LAYER. THE PREFERRED MATERIAL IS SLOTTED 4" RIGID PIPE (e.g.,

PERFORATIONS SHALL BE 3/8" DIAMETER LOCATED 6" ON CENTER WITH A MINIMUM OF FOUR HOLES PER ROW. PIPE SHALL BE WRAPPED WITH A 1/4" (No. 4 OR 4 x 4)

GRAVEL LAYER SHALL BE (No. 57 STONE PREFERRED) AT LEAST 3" THICK ABOVE AND BELOW THE UNDERDRAIN.

THE MAIN COLLECTOR PIPE SHALL BE AT A MINIMUM 0.5%

A RIGID, NON PERFORATED OBERSERVATION WELL MUST BE PROVIDED (ONE PER EVERY 1,000 SQ.FT.) TO PROVIDE A CLEANOUT PORT AND MONITOR PERFORMANCE OF THE

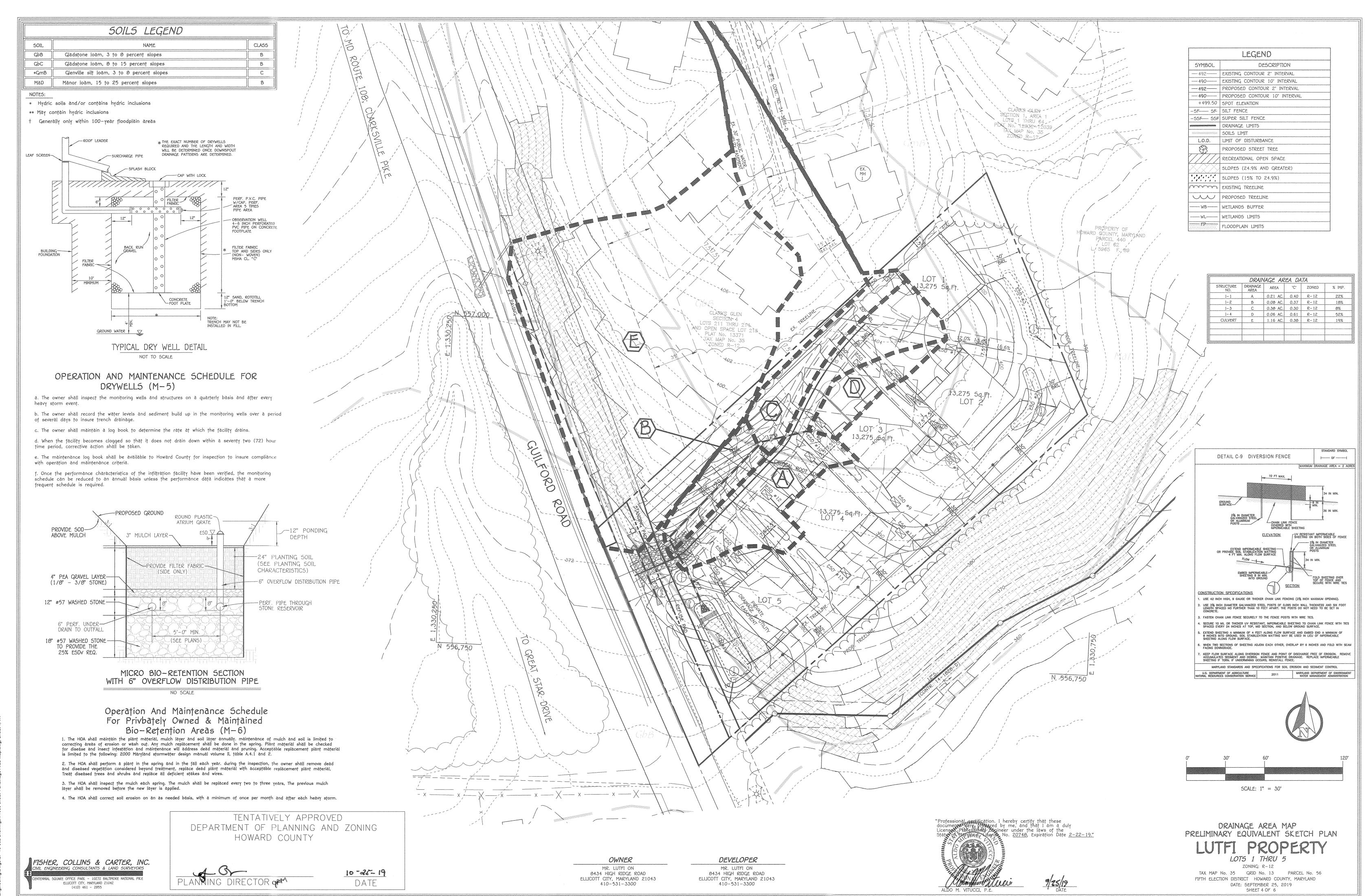
A 4" LAYER OF PEA GRAVEL (1/8" TO 3/8" STONE) SHALL BE LOCATED BETWEEN THE FILTER MEDIA AND UNDERDRAIN TO PREVENT MIGRATION OF FINES INTO THE UNDERDRAIN. THIS LAYER MAY BE CONSIDERED PART OF THE FILTER BED WHEN BED THICKNESS EXCEEDS 24".

SCALE: 1" = 30'

PRELIMINARY EQUIVALENT SKETCH PLAN

LOTS 1 THRU 5

TAX MAP No. 35 GRID No. 13 PARCEL No. 56 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND DATE: SEPTEMBER 25, 2019 SHEET 3 OF 7



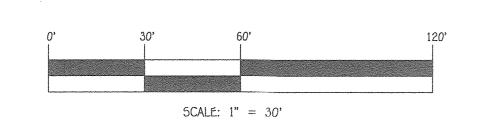
5P-18-002

	50ILS LEGEND		
50IL	NAME	Kw	CLA55
GbB	Gladstone loam, 3 to 8 percent slopes	0.20	В
GbC	Gladstone loam, 8 to 15 percent slopes	0.20	В
*GmB	Glenville silt loam, 3 to 8 percent slopes	0.37	С
MaD	Manor loam, 15 to 25 percent slopes	0.24	В

- * Hydric soils and/or contains hydric inclusions ** May contain hydric inclusions
- t Generally only within 100-year floodplain areas

	LEGEND
5YMBOL	DESCRIPTION
492	EXISTING CONTOUR 2' INTERVAL
490	EXISTING CONTOUR 10' INTERVAL
492	PROPOSED CONTOUR 2' INTERVAL
	PROPOSED CONTOUR 10' INTERVAL
+499.50	SPOT ELEVATION
-5F 5F-	SILT FENCE
-55F 55F	SUPER SILT FENCE
	DRAINAGE LIMITS
	50IL5 LIMIT
L.O.D.	LIMIT OF DISTURBANCE
£23	PROPOSED STREET TREE
	RECREATIONAL OPEN SPACE
	SLOPES (24.9% AND GREATER)
	SLOPES (15% TO 24.9%)
Mark	EXISTING TREELINE
	PROPOSED TREELINE
WB	WETLANDS BUFFER
• • • • • • • • • • • • • • • • • • • •	WETLANDS LIMITS
FP	FLOODPLAIN LIMITS

SWM DRAINAGE AREA SUMMARY TABLE					
DRAINAGE AREA	AREA AC. +\-	ESD#	TYPE	REMARK5	
А	0.668	1	F-6	BIO-RETENTION	
В	0.104	2	M-6	MICRO BIO-RETENTION	
С	0.155	3	M-6	MICRO BIO-RETENTION	
0	0.0143	4	M-5	DRYWELL	
E	0.0286	5&18	M-5	DRYWELLS	
F	0.0143	6	M-5	ORYWELL	
G	0.0143	7	M-5	DRYWELL	
Н	0.0143	8	M-5	DRYWELL	
Personal	0.0143	9	M-5	DRYWELL	
J	0.0143	10	M-5	DRYWELL	
K	0.0143	11	M-5	DRYWELL	
L	0.0143	12	M-5	ORYWELL	
M	0.0143	13	M-5	DRYWELL	
N	0.0143	14	M-5	DRYWELL	
0	0.0143	15	M-5	DRYWELL	
Р	0.0143	16	M-5	DRYWELL	
Q	0.0143	17	M-5	DRYWELL	



TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY



10-25-19 DATE

OWNER

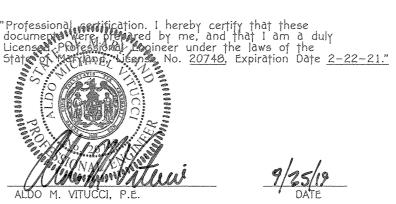
MR. LUTFI ON

8434 HIGH RIDGE ROAD

ELLICOTT CITY, MARYLAND 21043
410-531-3300

200

DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300



SWM DRAINAGE AREA MAP SKETCH EQUIVALENT PRELIMINARY PLAN

LUTFI PROPERTY
LOTS 1 THRU 5

ZONING: R-12 TAX MAP No. 35 GRID No. 13 PARCEL No. 56
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: SEPTEMBER 25, 2019
SHEET 5 OF 7

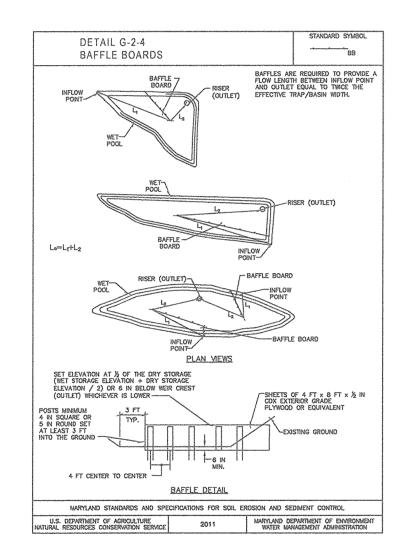
SOILS LEGEND				
50IL	NAME	CLA55		
GbB	Gladstone loam, 3 to 8 percent slopes	В		
GbC	Gladstone loam, 8 to 15 percent slopes	В		
*GmB	Glenville silt loam, 3 to 8 percent slopes	C		
MaD	Manor loam, 15 to 25 percent slopes	В		

NOTE5:

* Hydric soils and/or contains hydric inclusions

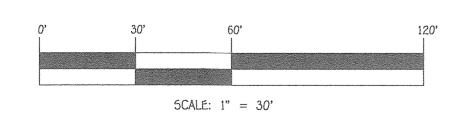
** May contain hydric inclusions † Generally only within 100-year floodplain areas

	LEGEND			
SYMBOL	DESCRIPTION			
492	EXISTING CONTOUR 2' INTERVAL			
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	DRAINAGE LIMITS			
	SOILS LIMIT			
L.O.D.	LIMIT OF DISTURBANCE			
£33	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			



### BAFFLE DESIGN

A = SURFACE AREA AT WET STORAGE = 2,037 5Q.FT. EFFECTIVE WIDTH = WE =  $(A/2)\sim0.5 = (2,037 / 2)\sim0.5 = 31.9$  OR 32' FLOW LENGTH INFLOW TO OUTFLOW = 58' L1 + L2 = 20' + 54' = 74' > 64' OR 2 X WE



TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

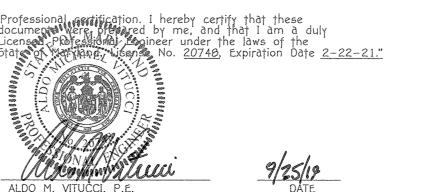


10-25-19 DATE

OWNER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300

DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300 LOT 214

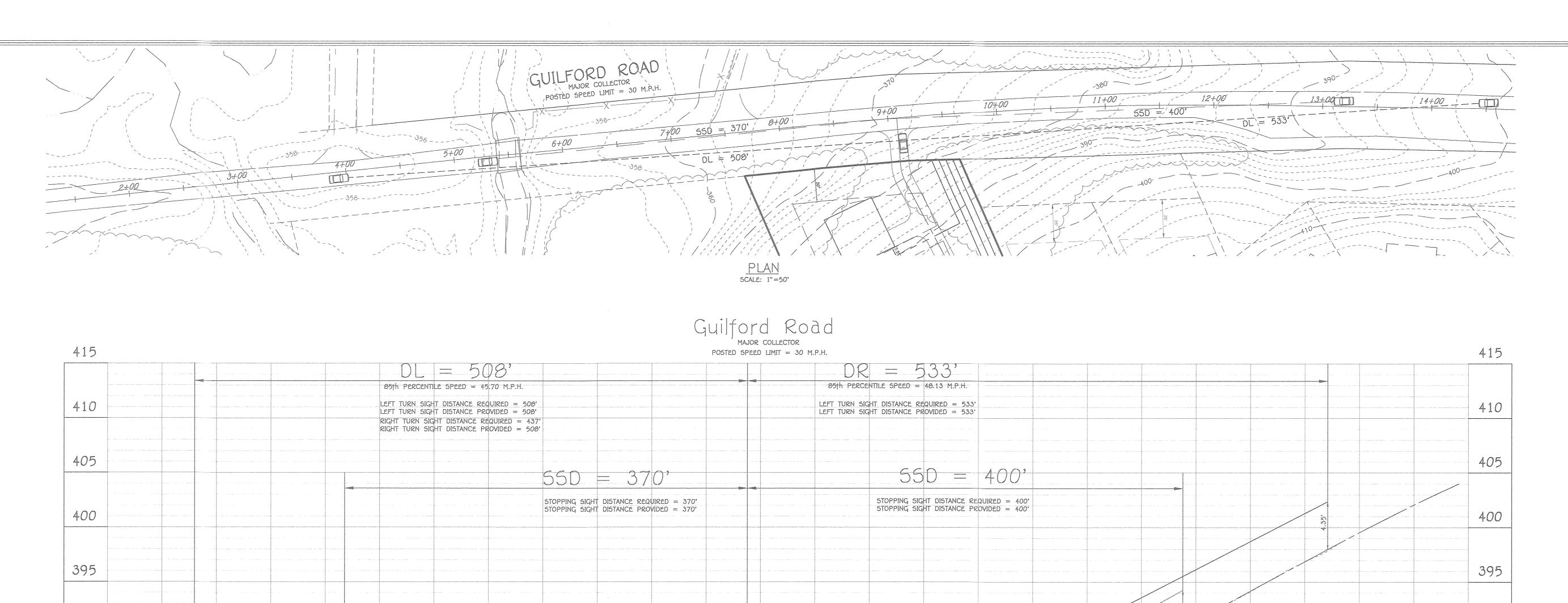
LOT 4 13,275-5q-Ft.

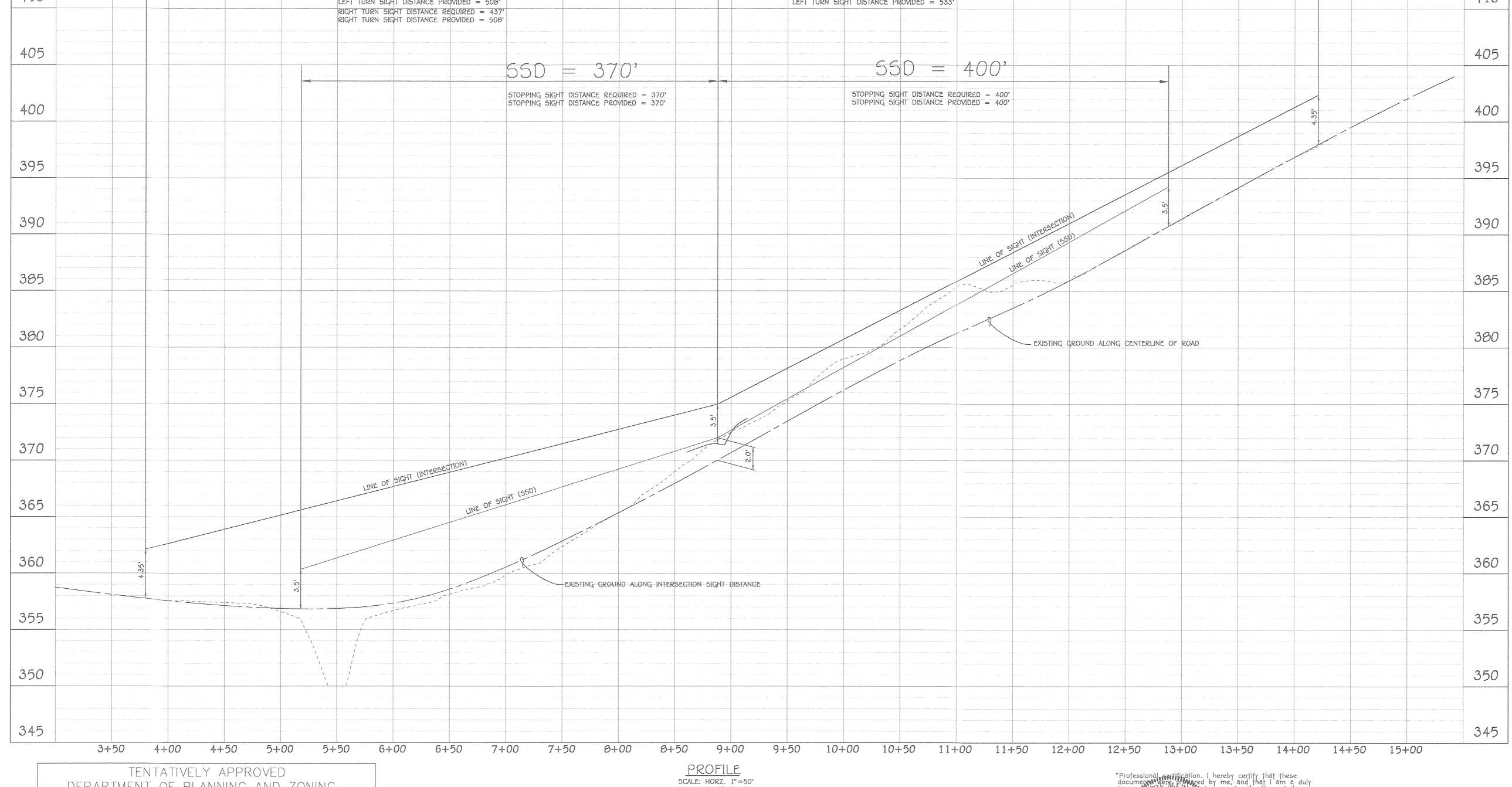


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EROSION & SEDIMENT CONTROL PLAN

LOTS 1 THRU 5 ZONING: R-12 TAX MAP No. 35 GRID No. 13 PARCEL No. 56
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: SEPTEMBER 25, 2019
SHEET 6 OF 7





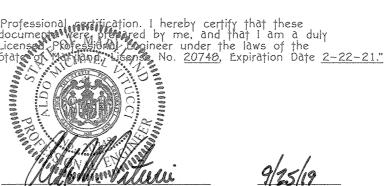
TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

10-25-19

OWNER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300

VERT. 1"=5'

DEVELOPER MR. LUTFI ON 8434 HIGH RIDGE ROAD ELLICOTT CITY, MARYLAND 21043 410-531-3300



SIGHT DISTANCE PLAN & PROFILE

LOTS 1 THRU 5

ZONING: R-12 TAX MAP No. 35 GRID No. 13 PARCEL No. 56 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND DATE: SEPTEMBER 25, 2019 SHEET 7 OF 7

FISHER, COLLINS & CARTER, INC. VTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042

(410) 461 - 2055

DATE