

FOREST CONSERVATION WORKSHEET

NET TRACT AREA

A. TOTAL TRACT AREA.....2.33 AC
 B. DEDUCTIONS.....0.00 AC
 C. NET TRACT AREA.....2.33 AC

LAND USE CATEGORY

ARA 0 MDR 0 IDA 0 HDR 0 MPD 0 CIA 0

D. AFFORESTATION THRESHOLD (NET TRACT AREA x 15%).....0.35 AC
 E. CONSERVATION THRESHOLD (NET TRACT AREA x 20%).....0.47 AC

EXISTING FOREST COVER

F. EXISTING FOREST COVER WITHIN THE NET TRACT AREA.....1.11 AC
 G. AREA OF FOREST ABOVE CONSERVATION THRESHOLD.....0.64 AC

BREAK EVEN POINT

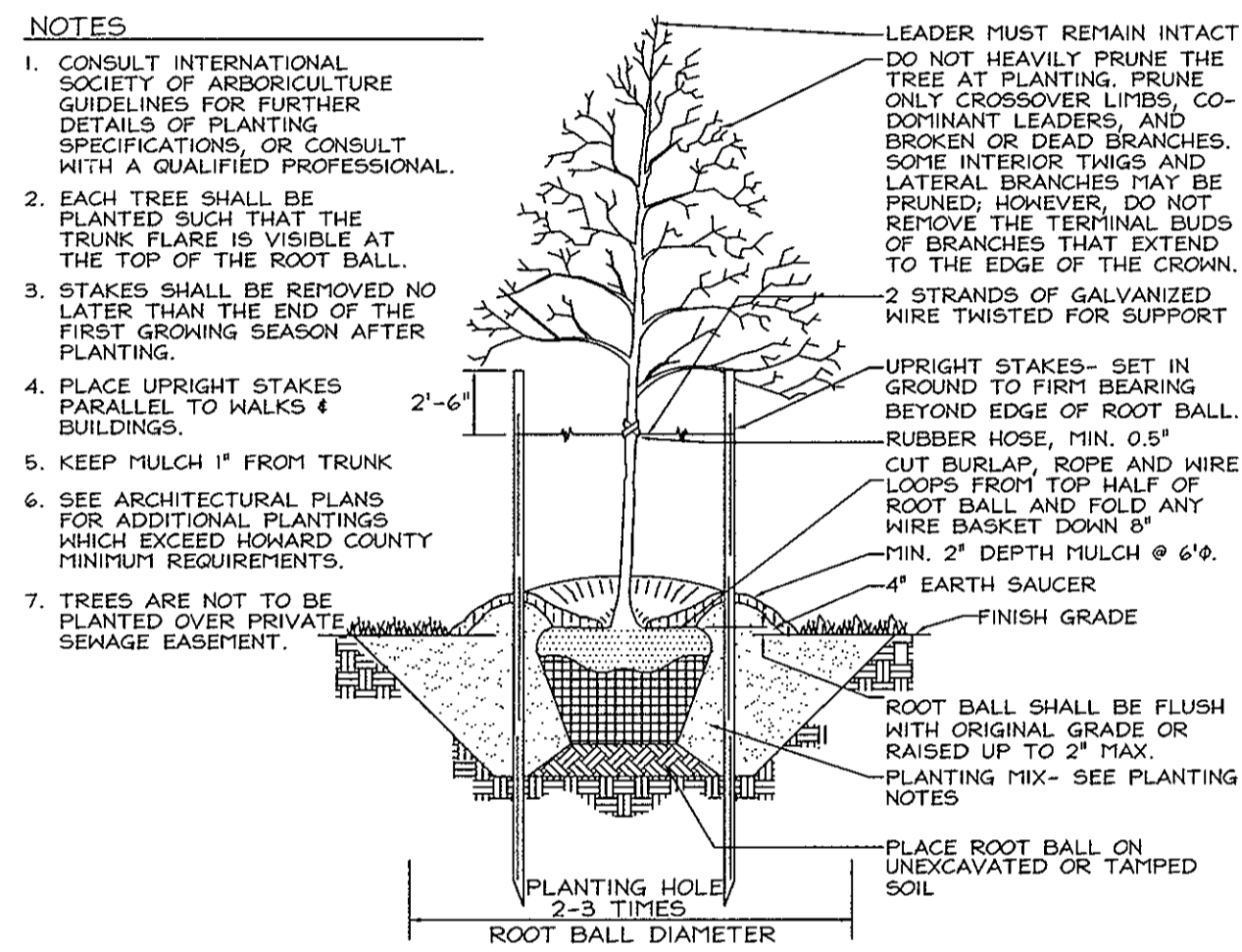
H. BREAK EVEN POINT.....0.59 AC
 I. FOREST CLEARING PERMITTED WITHOUT MITIGATION.....0.52 AC

PROPOSED FOREST CLEARING

J. TOTAL AREA OF FOREST TO BE CLEARED.....0.54 AC
 K. TOTAL AREA OF FOREST TO BE RETAINED.....0.57 AC

PLANTING REQUIREMENTS

L. REFORESTATION FOR CLEARING ABOVE THE CONSERVATION THRESHOLD.....0.14 AC
 M. REFORESTATION FOR CLEARING BELOW THE CONSERVATION THRESHOLD.....0.00 AC
 N. CREDIT FOR RETENTION ABOVE THE CONSERVATION THRESHOLD.....0.10 AC
 P. TOTAL REFORESTATION REQUIRED.....0.03 AC
 Q. TOTAL AFFORESTATION REQUIRED.....0.00 AC
 R. TOTAL PLANTING REQUIRED.....0.03 AC



TYPICAL TREE PLANTING AND STAKING
 DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE

SCHEDULE A PERIMETER LANDSCAPE EDGE

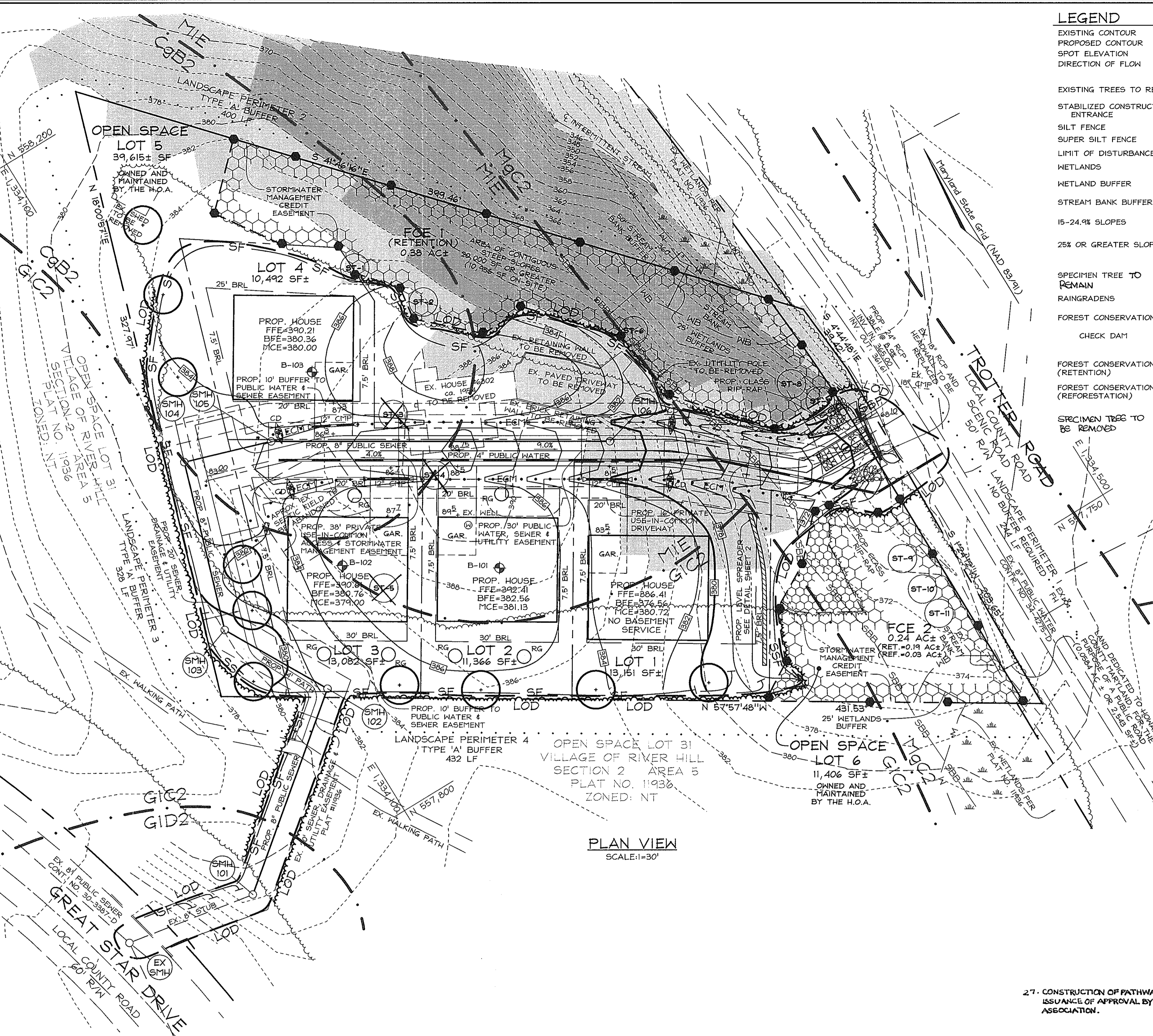
CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES	
	A	B	A	B
PERIMETER/FRONTAGE DESIGNATION				
LANDSCAPE TYPE	NONE	3	3	3
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	244	400	328	432
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NA	YES	YES	YES
REMAINING PERIMETER LENGTH (YES, NO, LINEAR FEET)	NA	400	394	145
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET)	NA	NO	NO	NO
REMAINING PERIMETER LENGTH				
NUMBER OF PLANTS REQUIRED				
SHADE TREES	NONE	160	0	160
EVERGREEN TREES				
SHRUBS				
NUMBER OF PLANTS PROVIDED				
SHADE TREES	0		5	5
EVERGREEN TREES				
OTHER TREES (2:1 SUBSTITUTION)	NONE			
SHRUBS (10:1 SUBSTITUTION)				
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)				

* EXISTING WOODS TO REMAIN

LANDSCAPE SCHEDULE

KEY	QUAN.	BOTANICAL NAME	SIZE	NOTE
10		ACER RUBRUM	2 1/2"-3" CAL.	B & B
		OCTOBER GLORY RED MAPLE		

- LANDSCAPE NOTES**
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HERewith LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELLOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
 - THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.



SPECIMEN TREE TABLE

KEY	SIZE	TYPE	CONDITION	LOCATION	REMARKS
ST-1	32"	SWAMP WHITE OAK	GOOD	F-1	
ST-2	30"	TULIP POPLAR	GOOD	F-1	DOUBLE TRUNK
ST-3	57"	SILVER MAPLE	GOOD	L-1	
ST-4	36"	SILVER MAPLE	FAIR	L-1	INSECT DAMAGED
ST-5	31"	LOBLOLLY PINE	FAIR	L-1	
ST-6	30"	TULIP POPLAR	GOOD	F-1	
ST-7	50"	TULIP POPLAR	FAIR	F-1	DOUBLE TRUNK
ST-8	36"	TULIP POPLAR	GOOD	F-1	
ST-9	40"	TULIP POPLAR	POOR	F-2	HOLLOW TRUNK
ST-10	45"	TULIP POPLAR	GOOD	F-2	
ST-11	35"	TULIP POPLAR	GOOD	F-2	

FCE 2 REFORESTATION PLANT LIST (0.03 AC)

QTY.	TYPE	SIZE	SPACING	REMARKS
2	ACER RUBRUM 'OCTOBER GLORY'	1" CAL.	15' x 15'	BALLED & BURLAPPED
1	QUERCUS ROBUR 'FASTIGIATA'	1" CAL.	15' x 15'	BALLED & BURLAPPED
1	LIQUIDAMBAR STYRACIFLUA	1" CAL.	15' x 15'	BALLED & BURLAPPED
1	TILIA CORDATA 'GREENSPIRE'	1" CAL.	15' x 15'	BALLED & BURLAPPED
1	QUERCUS RUBRA	1" CAL.	15' x 15'	BALLED & BURLAPPED

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP	'K' VALUE	HYDRIC
CgB2	CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B	0.28	NO
G1C2	GENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	0.32	NO
G1C2	MANOR GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	0.32	NO
M1E	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B	0.37	NO

LEGEND

EXISTING CONTOUR: -382
 PROPOSED CONTOUR: -382
 SPOT ELEVATION: +8232
 DIRECTION OF FLOW

EXISTING TREES TO REMAIN: [Symbol]

STABILIZED CONSTRUCTION ENTRANCE: [Symbol]

SILT FENCE: SF, SSF

SUPER SILT FENCE: SSF

LIMIT OF DISTURBANCE: LOD

WETLANDS: W

WETLAND BUFFER: WB

STREAM BANK BUFFER: SBB

15-24% SLOPES: [Symbol]

25% OR GREATER SLOPES: [Symbol]

SPECIMEN TREE TO REMAIN: ST-1

RAINGARDENS: RG

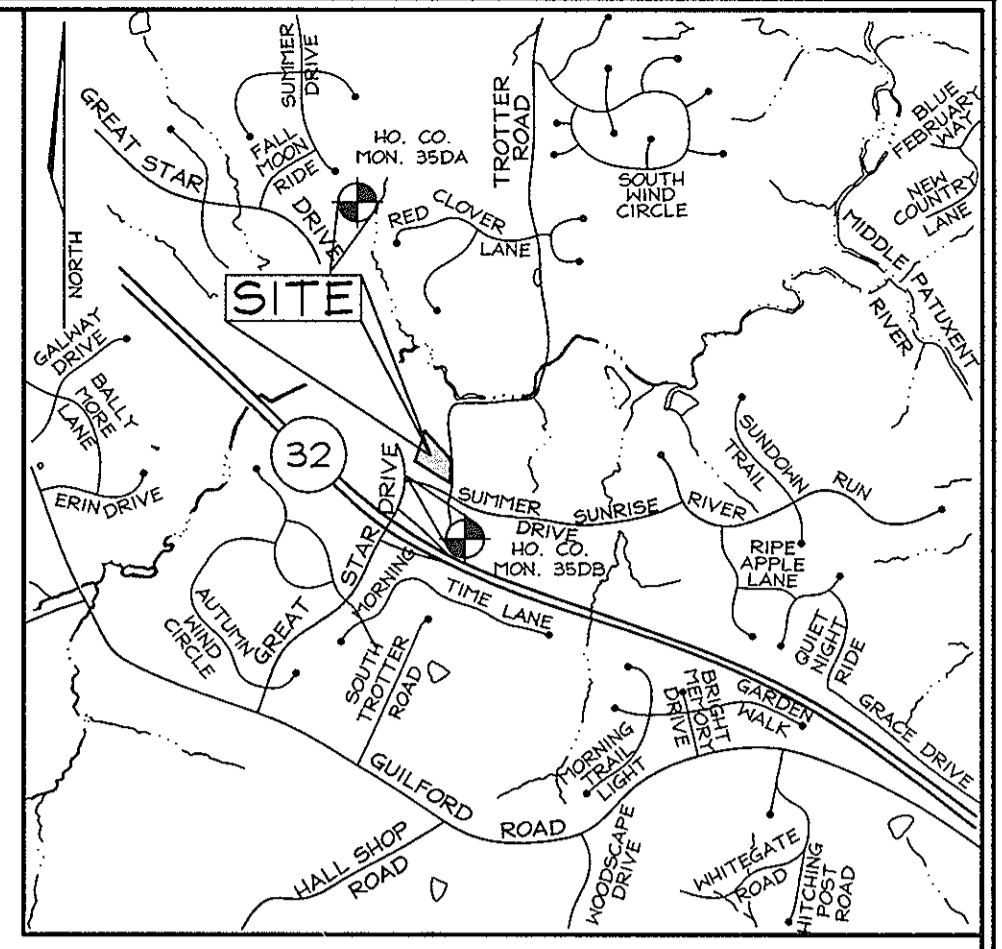
FOREST CONSERVATION SIGN: [Symbol]

CHECK DAM: CD

FOREST CONSERVATION (RETENTION): [Symbol]

FOREST CONSERVATION (REFORESTATION): [Symbol]

SPECIMEN TREE TO BE REMOVED: [Symbol]



BENCHMARKS

STA. 35DA: N 559,916.674 E 1,333,137.331 ELEV.: 351.69'
 1.6' NORTH OF CONCRETE INLET, 3.9' EAST OF CONCRETE SIDEWALK

STA. 35DB: N 557,646.167 E 1,333,974.594 ELEV.: 401.71'
 7.3' EAST OF FACE OF CONCRETE CURB, 46.9' NORTH OF LIGHT POLE

- GENERAL NOTES**
- THIS PROPERTY IS ZONED "R-ED" PER 2/02/04 COMPREHENSIVE ZONING PLAN AND THE "CORP LITE" ZONING ADJUSTMENTS EFFECTIVE 7/28/06.
 - BOUNDARY IS BASED ON A BOUNDARY SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES DATED AUGUST 2006.
 - TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY SILL, ADCOCK & ASSOCIATES DATED AUGUST 2006.
 - A WETLAND DELINEATION WAS PERFORMED BY ERI, DATED AUGUST 2006.
 - NO RARE THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON-SITE.
 - IF SPECIMEN TREES WERE OBSERVED ON-SITE, PLEASE SEE THE SPECIMEN TREE TABLE ON THIS SHEET.
 - THERE ARE NO WETLANDS, FLOODPLAINS OR CEMETARIES LOCATED ON-SITE.
 - THE CULVERT CROSSING THE USE-IN-COMMON DRIVEWAY AND ALL DRIVEWAY CULVERTS WILL BE DESIGNED AT THE SITE DEVELOPMENT PLAN STAGE.
 - THE USE-IN-COMMON DRIVEWAY WILL BE CONSTRUCTED AT THE SITE DEVELOPMENT PLAN STAGE.
 - PERMIT NO. 2007-13 DATED 2-12-07 HAS BEEN ISSUED FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR DISTURBANCE OF THE STREAM BUFFER FOR THE PURPOSE OF CONSTRUCTING THE SHARED DRIVEWAY AND ASSOCIATED CULVERT.
 - LANDSCAPING IS PROVIDED FOR THIS SUBDIVISION IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED 10 PERIMETER SHADE TREES IN THE AMOUNT OF \$3,000.00 WILL BE PAID WITH THE WATER AND SEWER DEVELOPER'S AGREEMENT.
 - FOREST CONSERVATION OBLIGATIONS FOR THIS SUBDIVISION WILL BE FULFILLED BY THE RETENTION OF 0.57 ACRES OF FOREST AND THE REFORESTATION OF 0.03 ACRES. SURETY IN THE AMOUNT OF \$5,620.00 (RETENTION: 24,829 SF x 0.20 = \$4,966.00 + REFORESTATION: 1,307 SF x 0.50 = \$654.00) WILL BE PAID WITH THE DEVELOPER'S AGREEMENT.
 - PERIMETER LANDSCAPING WILL BE INSTALLED AT THE SITE DEVELOPMENT STAGE.
 - AREA CALCULATIONS:
 TOTAL SITE AREA: 2.33 AC
 AREA OF R/W DEDICATION: 0.0584 AC
 OPEN SPACE REQUIRED (50%): 1.17 AC
 OPEN SPACE PROVIDED: 1.17 AC
 - THE EXISTING WELL AND SEPTIC SYSTEM SHALL BE PROPERLY SEALED AND ABANDONED BY A LICENSED WELL DRILLER IN ACCORDANCE WITH HOWARD COUNTY HEALTH DEPARTMENT REGULATIONS AND GUIDELINES.
 - DRIVEWAY ENTRANCES PER HOWARD COUNTY DESIGN MANUAL IV, DETAIL R.6.06.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - THIS SITE IS EXEMPT FROM STORMWATER MANAGEMENT REQUIREMENTS FOR CHANNEL PROTECTION, STORMWATER MANAGEMENT REQUIREMENTS FOR WATER QUALITY AND RECHARGE FOR THIS SITE HAVE BEEN PROVIDED FOR BY THE FOLLOWING METHODS:
 -DRIVEWAYS:
 GRASS CHANNEL CREDIT AND NON-ROOFTOP DISCONNECTS
 -HOUSES:
 RAINGARDENS AND SHEET FLOW TO BUFFER CREDIT
 - THE STORMWATER MANAGEMENT PRACTICES (RAINGARDENS) LOCATED ON LOTS 2 AND 3 ARE TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
 - THE EXISTING HOUSE AND DRIVEWAY SHALL BE REMOVED PRIOR TO PLAT RECORDATION.
 - THE TOTAL ROOF AREA OF ANY HOUSE SHALL BE NO GREATER THAN 3,000 SF OR ADDITIONAL STORMWATER MANAGEMENT WILL BE REQUIRED FOR THAT LOT.
 - THIS PROJECT DOES NOT REQUIRE A NOISE ANALYSIS DUE TO ITS LOCATION BEING GREATER THAN 500' FROM MD ROUTE 32.
 - NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIRUS OR WETLANDS, STREAMS, OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS.
 - WATER SERVICE WILL BE PROVIDED BY CONTRACT NO. 34-4275-D.
 - SEWER SERVICE WILL BE PROVIDED BY CONTRACT NO. 30-3397-D.
 - A MAJOR OF BASEMENT GRAVITY SEWER SERVICE FOR LOT 1 WAS APPROVED ON OCTOBER 6, 2006. BASEMENT SEWER SERVICE TO BE PROVIDED BY PRIVATE ON-SITE PUMP.

OWNER/DEVELOPER
 WILLIAMSBURG GROUP, LLC
 P.O. BOX 1018
 COLUMBIA, MD 21044
 410.997.8800

SUPPLEMENTAL, LANDSCAPE AND FOREST CONSERVATION PLAN
TROTTER PINES
 LOTS 1-4 AND OPEN SPACE LOTS 5 AND 6
 TAX MAP 35 GRID 14 PARCEL 157
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DENSITY CALCULATION

GROSS AREA: 2.33 AC.
 AREA OF FLOODPLAIN: 0.00 AC.
 AREA OF STEEP SLOPES: 0.25 AC.
 NET AREA: 2.08 AC.

TOTAL LOTS ALLOWED: 4 LOTS
 2 DWELLING UNITS PER NET ACRE
 2 x 2.08 AC. = 4.16
 TOTAL LOTS PROPOSED: 4 LOTS

DEVELOPER'S BUILDER'S CERTIFICATE

I CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I AM FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

3/13/07
 ROBERT CORBETT, WILLIAMSBURG GROUP, LLC DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chief Development Engineering Division: [Signature] DATE: 3/13/07

Chief, Division of Land Development: [Signature] DATE: 3/13/07

3/13/07
 LARRY J. THOMPSON
 DNR QUALIFIED PROFESSIONAL

Sill · Adcock & Associates · LLC
 Engineers · Surveyors · Planners

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Design By: [Signature]
 Drawn By: [Signature]
 Checked By: [Signature]
 Scale: As Shown
 Date: March 13, 2007
 Project #: 06-010
 Sheet #: 1 of 2

LEGEND

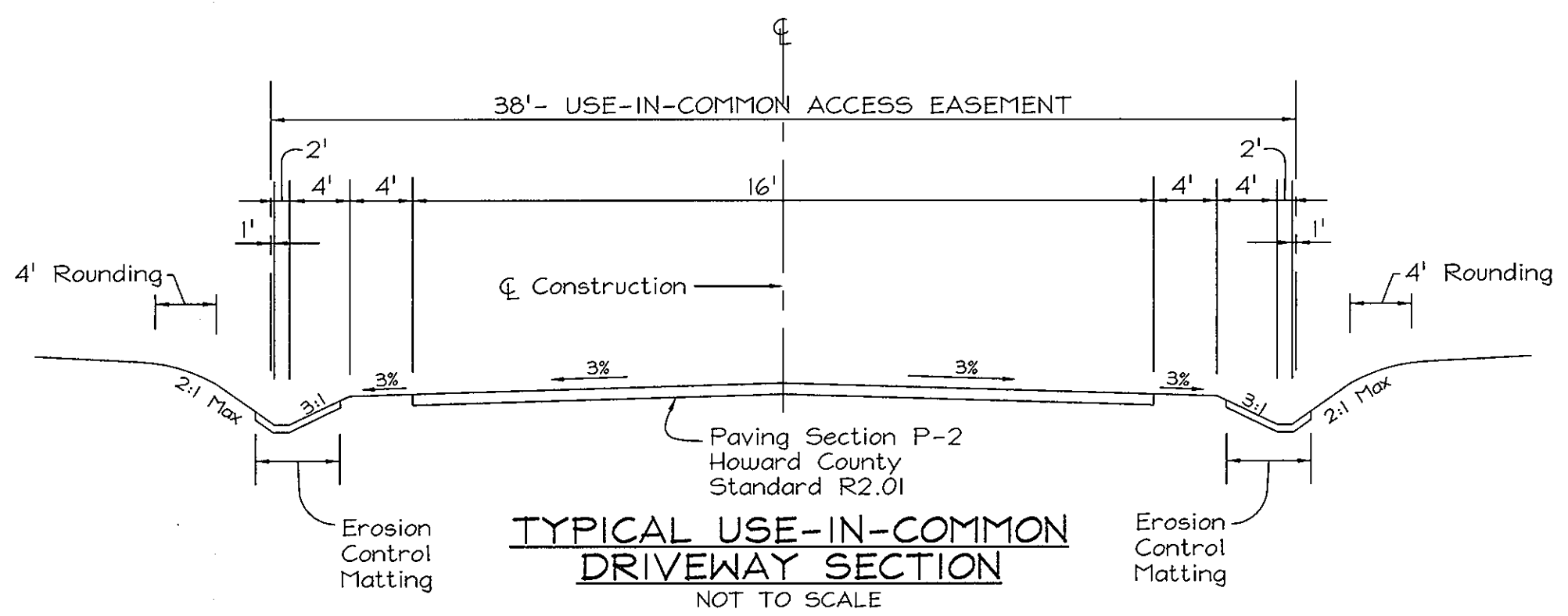
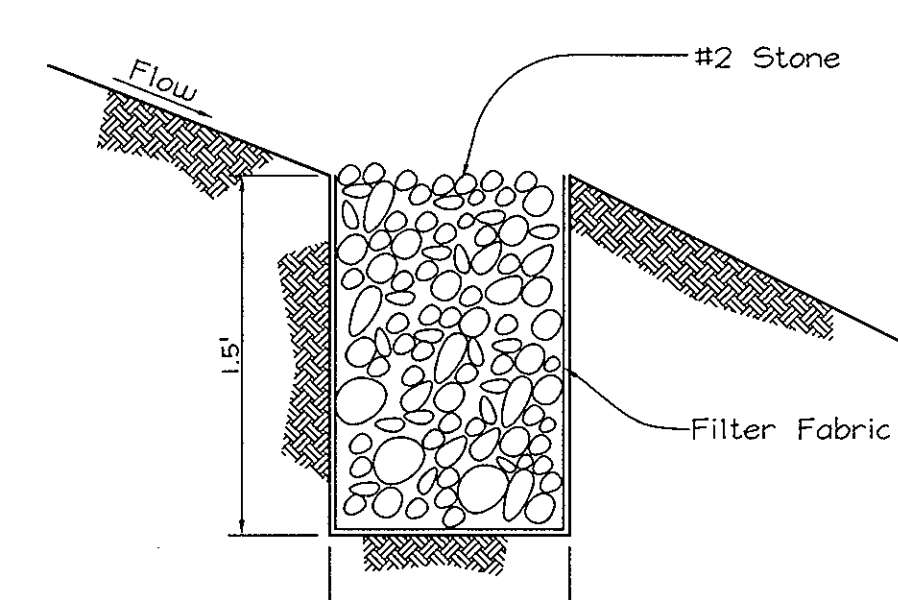
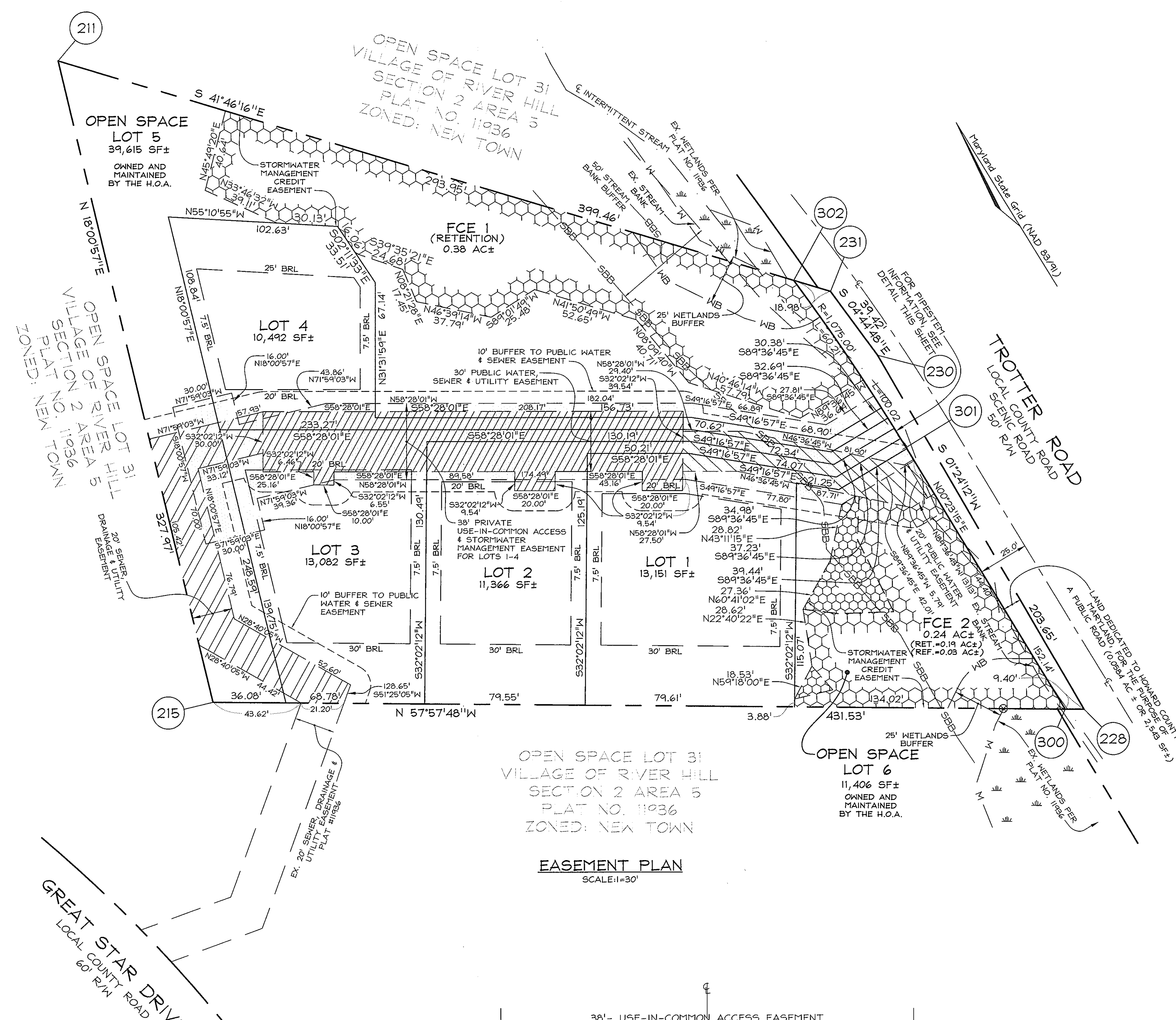
- WETLANDS — W —
- WETLAND BUFFER — WB —
- STREAM BANK BUFFER — SBB —
- FOREST CONSERVATION (RETENTION)
- FOREST CONSERVATION (REFORESTATION)
- 20' SEWER, DRAINAGE & UTILITY EASEMENT
- 30' PUBLIC WATER, SEWER & UTILITY EASEMENT
- 20' PRIVATE WATER & UTILITY EASEMENT
- 38' PRIVATE USE-IN-COMMON ACCESS & STORMWATER MANAGEMENT EASEMENT FOR LOTS 1-4

MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (sf)	PIPESTEM AREA (sf)	MINIMUM LOT SIZE
1	13,151±	954±	12,797±
2	11,366±	958±	10,408±
3	13,082±	1,414±	11,668±
4	10,492±	1,546±	8,946±

U.S. EQUIVALENT COORDINATE TABLE

POINT	NORTHING	EASTING
211	558,213.6317	1,334,150.8491
215	557,901.7422	1,334,049.4153
228	557,672.8319	1,334,415.2270
230	557,876.4209	1,334,420.2145
231	557,915.7084	1,334,416.9523
300	557,677.8193	1,334,407.257
301	557,829.9584	1,334,408.2859
302	557,929.8600	1,334,404.3121



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SUPPLEMENTAL INFORMATION AND EASEMENT PLAN
TROTTER PINES
LOTS 1-4 AND OPEN SPACE LOTS 5 AND 6
TAX MAP 35 GRID 14 PARCEL 157
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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Engineers · Surveyors · Planners
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Design By: JT
Drawn By: JT
Checked By: PS
Scale: As Shown
Date: March 13, 2007
Project #: 06-010
Sheet #: 2 of 2

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DATE: 3/20/07
DATE: 4/2/07