

GENERAL NOTES

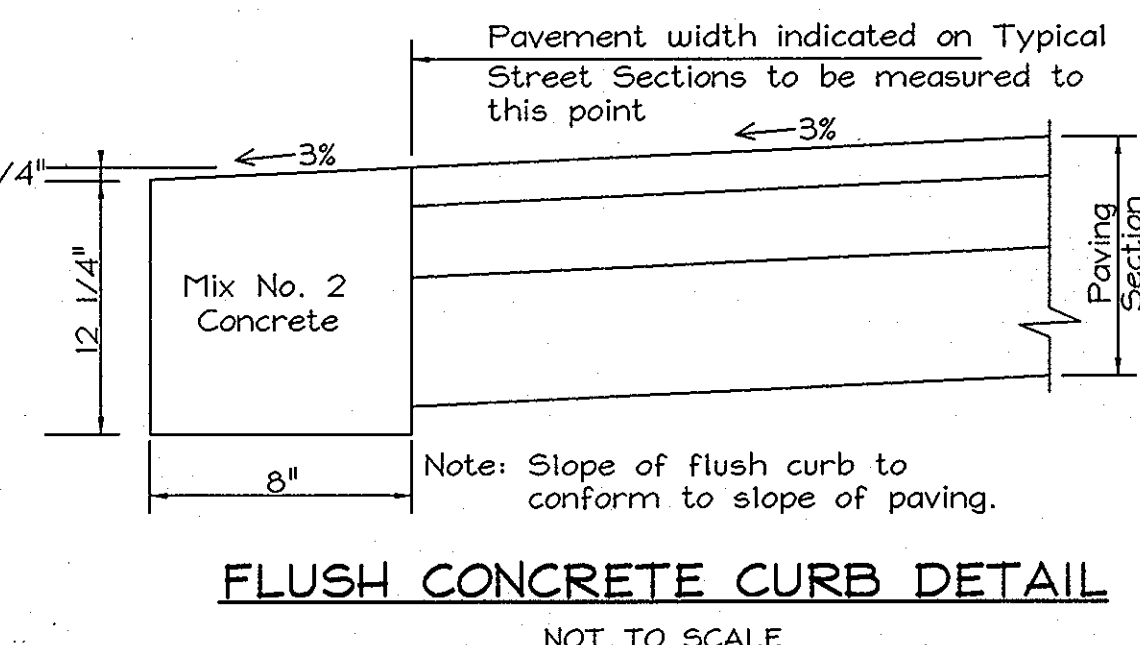
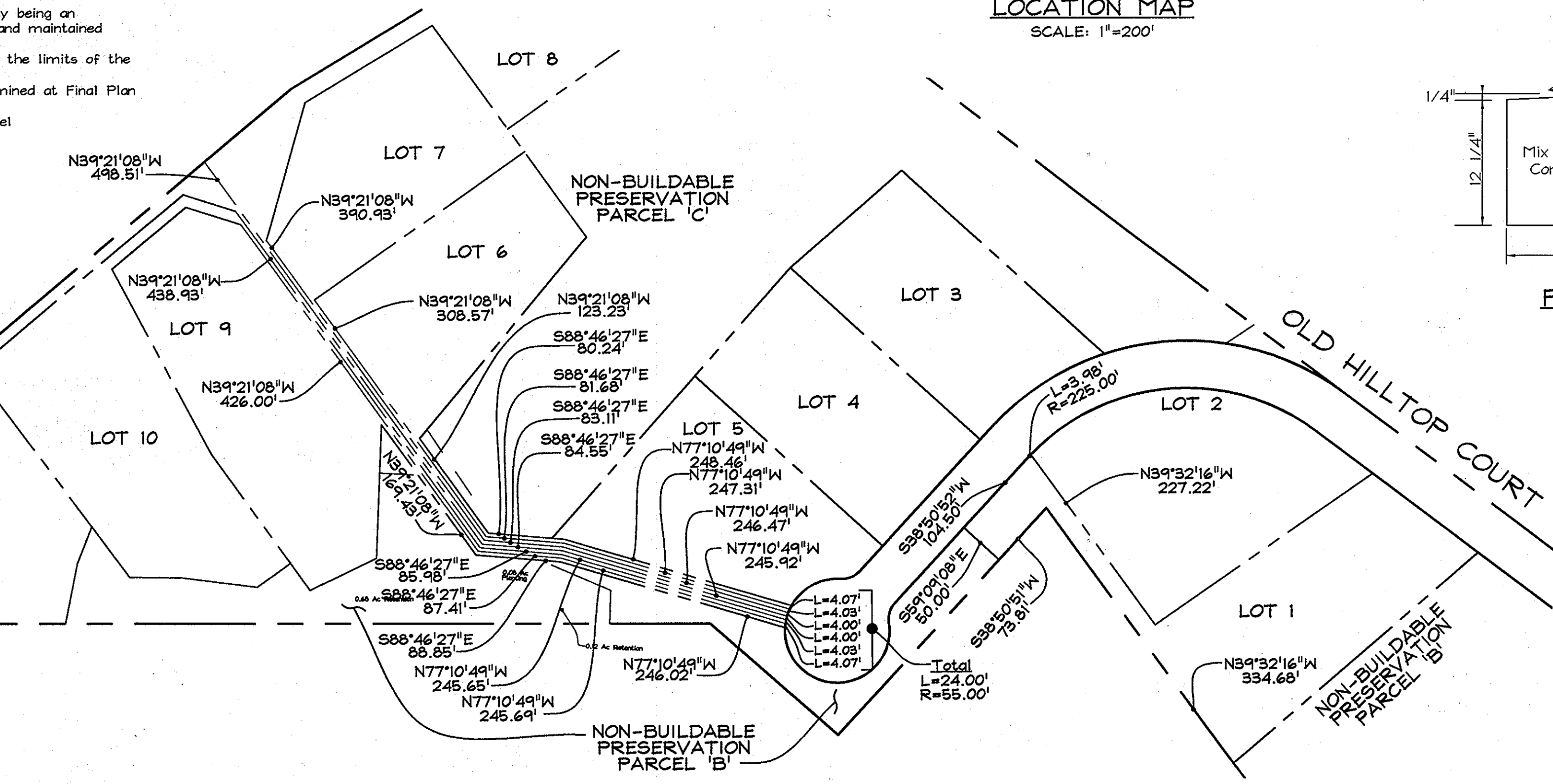
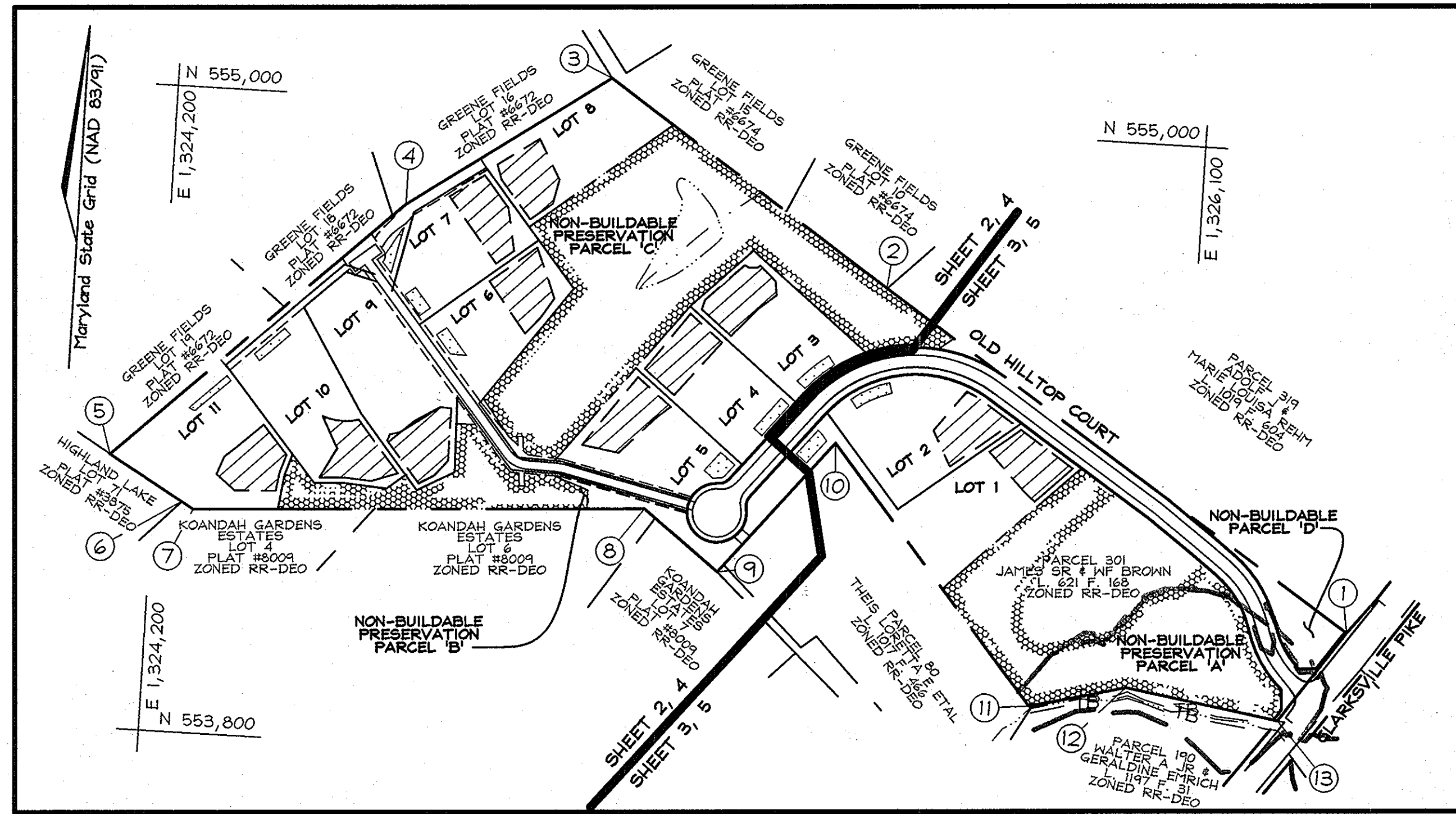
- Subject property located at 13100 Clarksville Pike (Maryland 108), Highland, MD 20777-9705 is zoned RR-DEO per 02/02/04 Comprehensive Zoning Plan and per the Comprehensive Lite Zoning Amendments effective 07/28/06.
- Total area of property: 24.60 ac.±
- Number of proposed buildable lots: 11
- Area of proposed buildable lots: 12.80 ac.±
- Number of proposed non-buildable preservation parcels: 3 (Parcels 'A', 'B' and 'C')
- Area of proposed non-buildable preservation parcels: 9.59 ac.±
- Number of non-buildable parcels: 1 (Parcel 'D')
- Area of non-buildable Parcel 'D': 0.34 ac.±
- Area of public right of way: 1.87 ac.±
- The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland State Department of the Environment.
- This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewerage is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have the authority to grant adjustments to the private sewage easement.
- All wells and septic fields within 100' of property's boundary have been shown.
- All percolation test holes and their elevations have been field located by FSH Associates.
- On-site topography and existing features based on a Field Run Topographic Survey prepared by FSH Associates dated 05/04/05. Off-site and non-critical topography based on Howard County 1993 Aerial Topographic Surveys with five foot contours.
- All wells to be drilled prior to submittal of final plat for signature. It is the developer's responsibility to schedule the well drilling prior to final plat submission. It will not be considered 'government delay' if the well drilling holds up the Health Department signature of the record plat.
- The project is not within the metropolitan district.
- The project is in conformance with the latest Howard County Standards unless waivers have been approved.
- The coordinates shown herein are based upon the Howard County Geodetic Control which is based on the Maryland State Plane Coordinate system. Howard County monument numbers 341A and 341B were used for this project.
- Boundary survey prepared by FSH Associates on or about 05/27/05.
- ARFO Traffic Study was prepared by Traffic Concepts, Inc. in April of 2007.
- Forest Stand Delineation and Forest Conservation Plan prepared by Exploration Research Inc in April of 2007 and revised on June 19, 2008.
- Wetlands Evaluation prepared by Exploration Research Inc. in April of 2007.
- The Forest Conservation Plan has been developed in accordance with the Howard County Forest Conservation Act of 1991 and has been met by 2.63 acres retention and 5.31 acres reforestation mitigation.
- Surety in the amount of \$138,561.60 will be posted with the Developers Agreement.
- Retention of 2.63 Ac./114,563 sf x \$0.20/sf = \$22,912.60
- Reforestation planting of 5.31 Ac./231,304 sf. X \$ 0.50/sf = \$115,652.00
- 1.94 Ac. of Forest Conservation obligations will be met by offsite Forest Conservation planting on Macbeth Farms Non-Buildable Preservation Parcel 'C', F-06-101, Plat #18793.
- Private water and sewage will be used within this site.
- Existing wells on lots 3 & 10 to be properly abandoned prior to submittal of record plat for signature.
- Existing dry well on Lot 9 to be properly abandoned prior to drilling a well on lot 6.
- The existing metal building located on Lot 2 and inside the Public Right of Way and the existing barn located on Lot 3 and Non-Buildable Preservation Parcel 'C' to be removed prior to record plat signature.
- The 100 year floodplain study for this property was prepared by FSH Associates on April 26, 2007.
- Stormwater Management will be provided through a combination of Credits and a proposed "Micropond Extended Detention Facility". The Stormwater Management Facility will be privately owned by H.O.A. with shared maintenance by H.O.A. and Howard County.
- No Noise Study is required for this project.
- The Geotechnical report for this project was prepared by Hillis-Carnes Engineering Associates, Inc. on April 3, 2007.
- No clearing, grading or construction is permitted within wetlands, streams or their required buffers in accordance with Section 16.166(c) of the Subdivision and Land Development regulations, unless approved by the Department of Planning and Zoning.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and Landscape Manual. Financial surety for the required landscaping will be posted as part of the Developers Agreement in the amount of \$24,700.00 (81 shade trees @ \$300.00 each and 36 evergreens @ 150.00 each).
- There are no cemeteries or historic structures located on this site.
- Financial surety for the required street trees will be posted as part of the Developer's Agreement in the amount of \$23,100.00 (77 street shade trees @ \$300.00 each).
- Density Calculations:
 - Gross area of property = 24.60 Ac.±
 - Base Density: 24.60/4.25 Ac. per unit = 5.79; therefore 5 units.
 - Area of 100 year floodplain = 1.76 Ac.±
 - Area of steep slopes = 0.113 Ac.±
 - Net Area of property = 24.60 - 1.76 - 0.113 = 22.73 Ac.±
 - Maximum Density: 22.72/2 Ac. per unit = 11.36; therefore 11 units.
 - Number of DEO Units required = 11 - 5 = 6 DEO Units

- Preservation Parcel 'A' is HOA owned and maintained with Howard County being an easement holder. Preservation Parcels 'B' and 'C' are privately owned and maintained with HOA and Howard County being easement holders.
- Contractor shall take measures to protect specimen trees located within the limits of the proposed septic easements.
- Ownership of non-buildable preservation parcels 'B' and 'C' will be determined at Final Plan stage.
- Non-Buildable Parcel 'D' will be H.O.A. owned and maintained. This parcel will be planted with planting material to compensate for disturbance associated with constructing a storm drain outfall, ES-2, within the limits of the floodplain and stream buffer. The type of planting will be determined at Final Plan stage.
- Grading and removal of vegetative cover within the limits of the 100-Year Floodplain and Wetlands Buffer has been found to be considered a necessary disturbance by the Department of Planning and Zoning for the purpose of constructing a public road at a safe point of access that meets minimum sight distance requirements as mandated by the State Highway Administration.
- STRUCTURES ON LOT 9 AND LOTS 9/10 TO BE REMOVED ARE TO BE REMOVED PRIOR TO SUBMITTAL OF THE RECORD PLAT FOR SIGNATURE.
- WELL LINE SERVING LOT 8 IS TO BE DOUBLE-SLEEVED THROUGH AREA ADJACENT TO SEPTIC EASEMENTS FOR LOTS 7 & 8.
- THE TRANSFORMER AND ASSOCIATED CONDUCTOR ON LOT 4 ARE TO BE REMOVED FROM THE SEPTIC EASEMENT AREA PRIOR TO SUBMITTAL OF RECORD PLAT FOR SIGNATURE.
- RESIDENCES ON LOTS 4 & 5 ARE LIMITED TO 4-BEDROOMS UNLESS A CERTIFIED OR LICENSED PROFESSIONAL CAN DEMONSTRATE THE RESPECTIVE SEPTIC EASEMENTS WILL EACH ACCOMMODATE AN INITIAL DRAINFIELD AND 2 REPLACEMENTS WITHOUT DAMAGING THE SPECIMEN TREES THEREON.

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

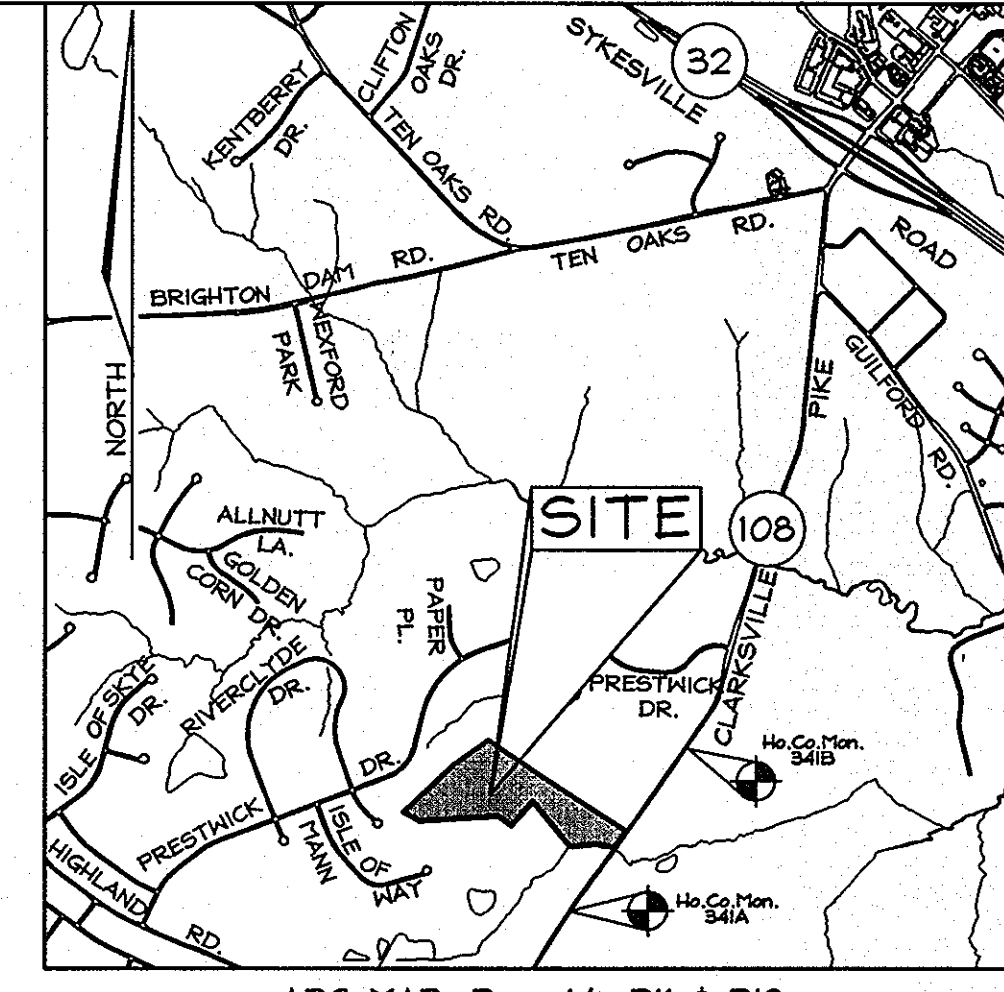
Derek A. Gough 10/11/08
PLANNING DIRECTOR DATE

PRELIMINARY EQUIVALENT SKETCH PLAN PERCOLATION CERTIFICATION PLAN CLARKSVILLE CROSSING LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D' HOWARD COUNTY, MARYLAND



LEGEND

- Existing contours: --- 552
- Existing Spot Elevation: 362.3
- Proposed Contour: [Symbol]
- Existing Trees to Remain: [Symbol]
- Stream Bank Buffer: [Symbol]
- Stream: [Symbol]
- Proposed Septic Easement: [Symbol]
- Existing Septic Easement: [Symbol]
- Use-In-Common Access Easement: [Symbol]
- Proposed Dwelling: [Symbol]
- Proposed Well Area: [Symbol]
- Ex. Well: [Symbol]
- Existing Dry Well: [Symbol]
- Passed Perc Test: [Symbol]
- Failed Perc Test: [Symbol]
- 15-24.9% Slopes: [Symbol]
- 25-50% Slopes: [Symbol]
- Proposed Level Spreader: [Symbol]



BENCHMARKS

Sta. 341A	N 553,271.9128 E 1,325,836.7488	El.: 471.944
Located 120.8' Northeast of G4E Pole #334375, 33.5' Northwest of CAP Pole #288-1/2, and 2.9' off of MD Route 108 (Clarksville Pike) southbound edge of paving.		
Sta. 341B	N 554,973.5233 E 1,327,076.7699	El.: 442.801
Located 23.9' Northeast of CAP Pole #276, 117.9' Southwest of CAP Pole #275, and 7.1' off of MD Route 108 (Clarksville Pike) northbound edge of paving.		

SHEET INDEX

DESCRIPTION	SHEET No.
Cover Sheet	1 of 9
Preliminary Equivalent Sketch Plan	2 of 9
Preliminary Equivalent Sketch Plan	3 of 9
Preliminary Grading, Landscaping, Sediment and Erosion Control and Soils Plan	4 of 9
Preliminary Grading, Landscaping, Sediment and Erosion Control and Soils Plan	5 of 9
Preliminary Forest Conservation Plan	6 of 9
Preliminary Forest Conservation Plan	7 of 9
Preliminary Forest Conservation Plan, Notes And Details	8 of 9
Preliminary Clarksville Pike Road Widening Plan	9 of 9

MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (SF)	PIPE STEM AREA (SF)	MINIMUM LOT SIZE (SF)
1	56,511±	8,350±	48,161±
6	41,823±	1,812±	40,011±
7	44,488±	2,576±	41,882±
8	58,432±	13,987±	44,475±
9	61,364± (1.41 Ac.±)	2,010±	59,354±
10	57,715± (1.32 Ac.±)	5,030±	52,685±
11	62,507± (1.43 Ac.±)	8,031±	54,476±

COORDINATE TABLE

POINT	NORTHING	EASTING
1	554,115.9306	1,326,414.9179
2	554,703.062	1,325,528.4753
3	555,062.4237	1,324,998.2084
4	554,805.5083	1,324,632.6246
5	554,310.0755	1,324,116.4982
6	554,224.6933	1,324,253.4655
7	554,216.9311	1,324,276.1178
8	554,268.2898	1,325,107.1723
9	554,158.9094	1,325,248.3597
10	554,411.5668	1,325,451.8477
11	553,943.5036	1,325,838.206
12	553,984.2745	1,326,014.9183
13	553,944.4295	1,326,297.7932

CENTERLINE ROAD CURVE DATA

CURVE #	RADIUS	LENGTH	DELTA	TANGENT	CHORD BEARING	CHORD LENGTH
C1	210.00	100.00	271°10'1"	50.97	S29°10'10"E	99.06
C2	210.00	133.96	36°32'55"	69.35	N34°38'44"W	131.70
C3	2,400.00	101.73	2°25'43"	50.87	N83°45'00"W	101.72
C4	250.01	369.44	84°40'01"	227.76	S81°10'59"W	356.73

OWNER DEVELOPER

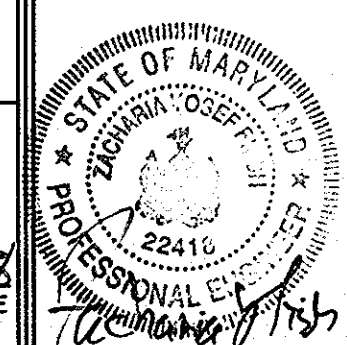
OWNER	DEVELOPER
Bertram Y. Brown Nancy L. Braun 13100 Clarksville Pike Highland, MD, 20777 Phone No.: (301) 596-9882 Fax No.: (301) 796-2921	Clarksville Preserve, LLC c/o J. Thomas Scrivener 5300 Dorsey Hall Drive, Suite 200 Ellicott City, Maryland 21042 Phone No.: (410) 964-5522 Fax No.: (410) 964-2620

PROFESSIONAL CERTIFICATION

I hereby 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 No. #22418, Expiration Date: 07/29/09.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

B. Wilson for Peter Reilman 10/6/2008
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT



FSH Associates
Engineers Planners Surveyors
638 Howard Lane Elridge, MD 21075
Tel: 410-587-5200 Fax: 410-796-1562
E-mail: info@fshnet.com

DESIGN BY: PS
DRAWN BY: HK/RL
CHECKED BY: ZTF
SCALE: As Shown
DATE: Aug. 12, 2008
W.O. No.: 3301
SHEET No.: 1 OF 9



PROFESSIONAL CERTIFICATION
 I hereby 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 No. #22418, Expiration Date: 07/29/09.

TENTATIVELY APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY

Mark D. Layell 10/16/08
 PLANNING DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

B. Wilson for Peter Billewisen 10/16/2008
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT *MB*

OWNER	DEVELOPER
Bertram Y. Brown Nancy L. Brown 13100 Clarksville Pike Highland, MD 20777 Phone No.: (301) 596-9882 Fax No.: (301) 796-2921	Clarksville Preserve, LLC c/o J. Thomas Scrivener 5300 Dorsey Hall Drive, Suite 200 Ellicott City, Maryland 21042 Phone No.: (410) 964-5522 Fax No.: (410) 964-2620

PRELIMINARY EQUIVALENT SKETCH AND PERCOLATION CERTIFICATION PLAN CLARKVILLE CROSSING
 LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
 TAX MAP 34, GRID 23 PARCEL 301
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



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 6339 Howard Lane Elkridge, MD 21075
 Tel: 410-567-5200 Fax: 410-796-1562
 E-mail: info@fshen.com

DESIGN BY: PS
 DRAWN BY: HK/RL
 CHECKED BY: ZYE
 SCALE: 1"=50'
 DATE: Aug 12, 2008
 H.O. No.: 3301
 SHEET No.: 2 OF 9

Maryland State Grid (NAD 83/91)

N 554,650
E 1,325,300

N 554,100
E 1,325,300

N 554,100
E 1,326,650



PROFESSIONAL CERTIFICATION
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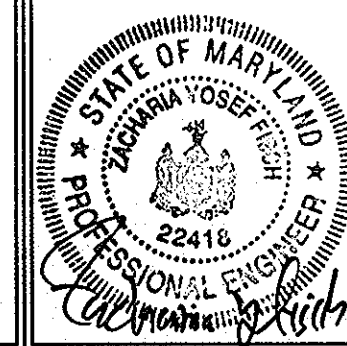
TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY
David J. Cuyler 10/16/08
PLANNING DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
William Peter Beilensen 10/16/2008
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

OWNER
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PRELIMINARY EQUIVALENT SKETCH AND PERCOLATION CERTIFICATION PLAN
CLARKVILLE CROSSING
LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
TAX MAP 34, GRID 23 PARCEL 301
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

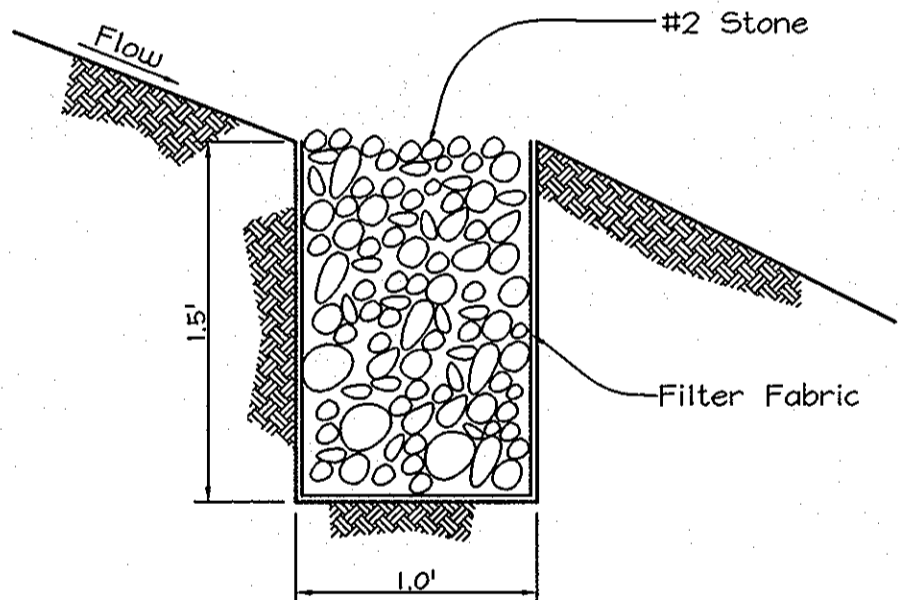


FSH Associates
Engineers Planners Surveyors
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E-mail: info@fsher.com

DESIGN BY: PS
DRAWN BY: HK/RL
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Aug. 12, 2008
W.O. No.: 3301
SHEET No.: 3 OF 9

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgB2	Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded	B
GIB2	Gleneta loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Gleneta loam, 8 to 15 percent slopes, moderately eroded	B
GIC3	Gleneta loam, 8 to 15 percent slopes, severely eroded	B
MgB2	Major gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Major gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Major gravelly loam, 8 to 15 percent slopes, severely eroded	B
MID2	Major loam, 15 to 25 percent slopes, moderately eroded	B
MIA	Major loam, 0 to 3 percent slopes	B

LEGEND	
Existing Contour	---382
Proposed Contour	---+8253
Spot Elevation	●
Direction of Flow	→
Existing Trees to Remain	☁
Stabilized Construction Entrance	▬
Silt Fence	▬ SF ▬ SF
Super Silt Fence	▬ SSF ▬ SSF
Earth Dike	▬ ED A-1 ▬
Limit of Disturbance	▬ LOD
Erosion Control Matting	▬ ECM
Landscape Perimeter	▬ PERIMETER ONE
Soil Boundary	▬



TYPICAL LEVEL SPREADER
NOT TO SCALE
See plan for level spreader lengths

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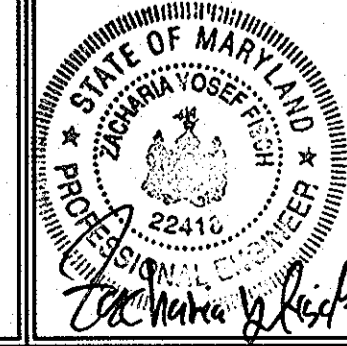
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PRELIMINARY EQUIVALENT SKETCH, PERCOLATION CERTIFICATION, GRADING, LANDSCAPING, SEDIMENT AND EROSION CONTROL AND SOILS PLAN CLARKSVILLE CROSSING
LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
TAX MAP 34, GRID 23 PARCEL 301
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION
I hereby 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 No. #22418, Expiration Date: 07/29/04.

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY
David S. Cayle 10/10/02
PLANNING DIRECTOR DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
B. Wilson for Peter B. Williams 10/16/2002
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT



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Engineers Planners Surveyors
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E-mail: info@fshnet.com

DESIGN BY: PS
DRAWN BY: HK/RL
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Aug 12, 2002
P.L.O. No.: 3301
SHEET No.: 4 OF 9

Maryland State Grid (NAD 83/91)
 E 1,325,300
 N 554,650

E 1,325,300
 N 554,100

N 554,100
 E 1,326,650



STREET TREE SCHEDULE

STREET NAME	LF REQUIRED	TREES REQUIRED	PROVIDED
Road 'A'	2,860'	72 @ 1:40'	72
Clarksville Pike	150'	5 @ 1:30'	5

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES							
	4	B	1	2	3	5	6	7	8	
Perimeter/Frontage Designation	A	A	A	A	A	A	A	A	A	
Linear Feet of Roadway	323'	340'	408'	50'	1758'	1645'	1108'	262'		
Credit for Existing Vegetation (Yes, No, Linear Feet)	No	No	No	No	914'	400'	873'	62'		
Remaining Perimeter Length					844'	1245'	235'	200'		
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No	No	No	No	No	No	No	No		
Number of Plants Required	1:50 6	1:40 8	1:60 6	1:60 7	1:60 14	1:60 21	1:60 4	1:50 4		
Shade Trees										
Evergreen Trees										
Shrubs										

* Credit for 711' of existing trees and 203' of Alternative Compliance tree retention. See General Notes this sheet.
 ** Credit for 576' of existing trees and 247' of Alternative Compliance tree retention. See General Notes this sheet.

PROFESSIONAL CERTIFICATION
 I hereby 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 No. #22418, Expiration Date: 07/24/04.

TENTATIVELY APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY
 [Signature] 10/6/08
 PLANNING DIRECTOR DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
 [Signature] 10/6/2008
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

SCHEDULE D: STORMWATER MANAGEMENT AREA LANDSCAPING

Linear Feet of Perimeter	920 LF
Credit for Existing Vegetation (No, Yes and Linear Feet)	No
Credit for Wall, Fence or Berm (No, Yes and %)	N/A
Number of Trees Required	858 LF remaining buffer
Shade Trees (1:50)	18 Shade Trees
Evergreen Trees (1:40)	23 Evergreen Trees

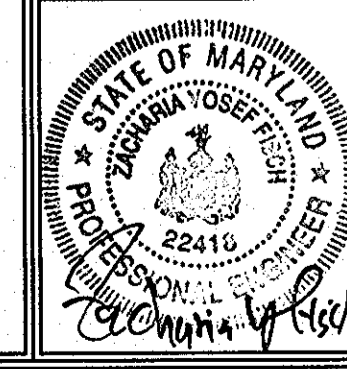
* Forest Conservation Planting will be utilized to screen where appropriate.

- NOTES:**
- At the time of plant installation, all shrubs and trees listed and approved on the Landscape Plan shall comply with the proper height requirements in accordance with the Howard County Landscape Manual. In addition, no substitutions or relocations of the required plantings may be made without prior review and approval from the Department of Planning and Zoning. Any deviation from the 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 revision are made to the applicable plans.
 - This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and Landscape Manual. Financial surety for the required landscaping will be posted as part of the Developer's Agreement in the amount of \$24,700.00 (81 shade trees @ \$300.00 each and 36 evergreens @ 150.00 each).
 - Financial Surety for the required Street Trees shall be posted as part of the Developer's Agreement in the amount of \$23,000.00 (77 street shade trees @ \$300.00 each).
 - Trees with mature heights greater than 25' shall not be planted within 20' of either side of the final siting of the utility pole line. Trees with mature heights greater than 40' shall not be planted within 45' of the final location of the utility pole line.
 - For perimeters 5 and 7 we are requesting 203' and 247' respectively of Alternative Compliance credit for buffer areas that are along the piped-in driveway only and abut forest in easements.

OWNER
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 Fax No.: (301) 796-2921

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 Phone No.: (410) 964-5522
 Fax No.: (410) 964-2620

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CLARKSVILLE CROSSING
 LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
 TAX MAP 34, GRID 23
 5TH ELECTION DISTRICT
 PARCEL 301
 HOWARD COUNTY, MARYLAND



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 E-mail: info@fshen.com

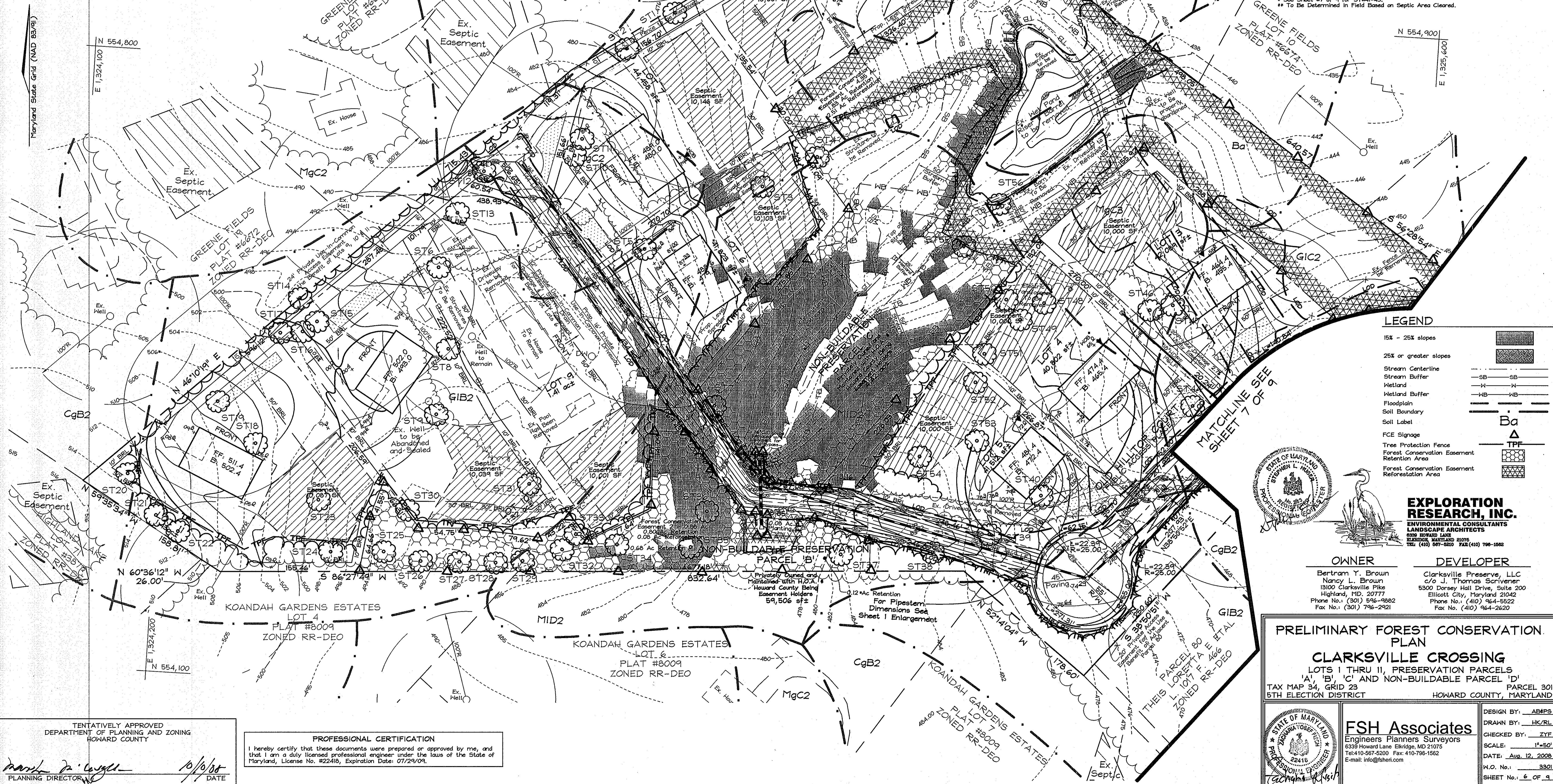
DESIGN BY: PS
 DRAWN BY: HK/RL
 CHECKED BY: ZYE
 SCALE: 1"=50'
 DATE: Aug. 12, 2008
 P.L.O. No.: 3301
 SHEET No.: 5 OF 9

NO.	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION	RETAINED
ST-1	62"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-2	75"	Yellow poplar	Liriodendron tulipifera	Fair	NO
ST-3	31"	Yellow poplar	Liriodendron tulipifera	Good	TBD#
ST-4	40"	Red oak	Quercus rubra	Good	NO
ST-5	31"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-6	37"	Yellow poplar	Liriodendron tulipifera	Fair	YES
ST-7	44"	Red oak	Quercus rubra	Good	YES
ST-8	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-9	32"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-10	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-11	32"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-12	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-13	31"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-14	31"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-15	31"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-16	33"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-17	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-18	34"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-19	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-20	31"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-21	33"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-22	34"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-23	31"	Yellow poplar	Liriodendron tulipifera	Good	TBD#
ST-24	34"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-25	34"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-26	30"	Yellow poplar	Liriodendron tulipifera	Good	NO

* To Be Determined in Field Based on Septic Area Cleared.

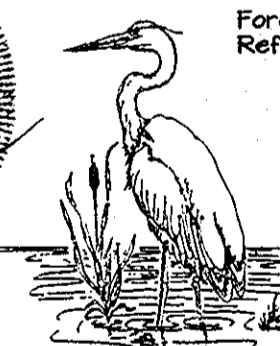
NO.	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION	RETAINED
ST-27	34"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-28	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-29	35"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-30	32"	Yellow poplar	Liriodendron tulipifera	Fair	YES
ST-31	30"	Yellow poplar	Liriodendron tulipifera	Good	TBD#
ST-32	34"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-33	32"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-34	32"	Yellow poplar	Liriodendron tulipifera	Good	YES
ST-35	33"	Yellow poplar	Liriodendron tulipifera	Fair	NO
ST-36	31"	Red oak	Quercus rubra	Good	YES
ST-37	37"	Red oak	Quercus rubra	Good	YES
ST-38	35"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-39	30"	Red oak	Quercus rubra	Good	NO
ST-40	35"	Red oak	Quercus rubra	Fair	NO
ST-41	31"	Red oak	Quercus rubra	Good	NO
ST-42	31"	Red oak	Quercus rubra	Good	NO
ST-43	31"	Red oak	Quercus rubra	Good	NO
ST-44	30"	Red oak	Quercus rubra	Good	TBD#
ST-45	31"	Red oak	Quercus rubra	Good	TBD#
ST-46	31"	Red oak	Quercus rubra	Good	NO
ST-47	34"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-48	33"	Red oak	Quercus rubra	Good	TBD#
ST-49	30"	Red oak	Quercus rubra	Good	TBD#
ST-50	30"	Yellow poplar	Liriodendron tulipifera	Good	TBD#
ST-51	30"	Red oak	Quercus rubra	Good	TBD#
ST-52	33"	Yellow poplar	Liriodendron tulipifera	Good	TBD#
ST-53	31"	Red oak	Quercus rubra	Good	NO
ST-54	34"	Red oak	Quercus rubra	Good	TBD#
ST-55	34.5"	Red oak	Quercus rubra	Good	YES
ST-56	34"	Red oak	Quercus rubra	Good	NO

** To Be Determined in Field Based on Septic Area Cleared.



LEGEND

- 15% - 25% slopes
- 25% or greater slopes
- Stream Centerline
- Stream Buffer
- Metland
- Flodland Buffer
- Floodplain
- Soil Boundary
- Soil Label
- FCE Signage
- Tree Protection Fence
- Forest Conservation Easement
- Retention Area
- Forest Conservation Easement
- Reforestation Area

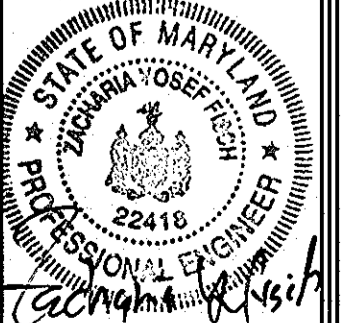


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 c/o J. Thomas Scribner
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 Phone No.: (410) 964-5522
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PRELIMINARY FOREST CONSERVATION PLAN
CLARKSVILLE CROSSING
 LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
 TAX MAP 34, GRID 23 PARCEL 301
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



FSH Associates
 Engineers Planners Surveyors
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 E-mail: info@fsher.com

DESIGN BY: AMP/PS
 DRAWN BY: HK/RL
 CHECKED BY: ZYE
 SCALE: 1"=50'
 DATE: Aug. 12, 2008
 W.O. No.: 3301
 SHEET No.: 6 OF 9

TENTATIVELY APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY

Mark J. Vogel
 PLANNING DIRECTOR

10/9/08
 DATE

PROFESSIONAL CERTIFICATION
 I hereby 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 No. #22416, Expiration Date: 07/23/09.

Maryland State Grid (NAD 83/91)

N 554,650
E 1,325,300

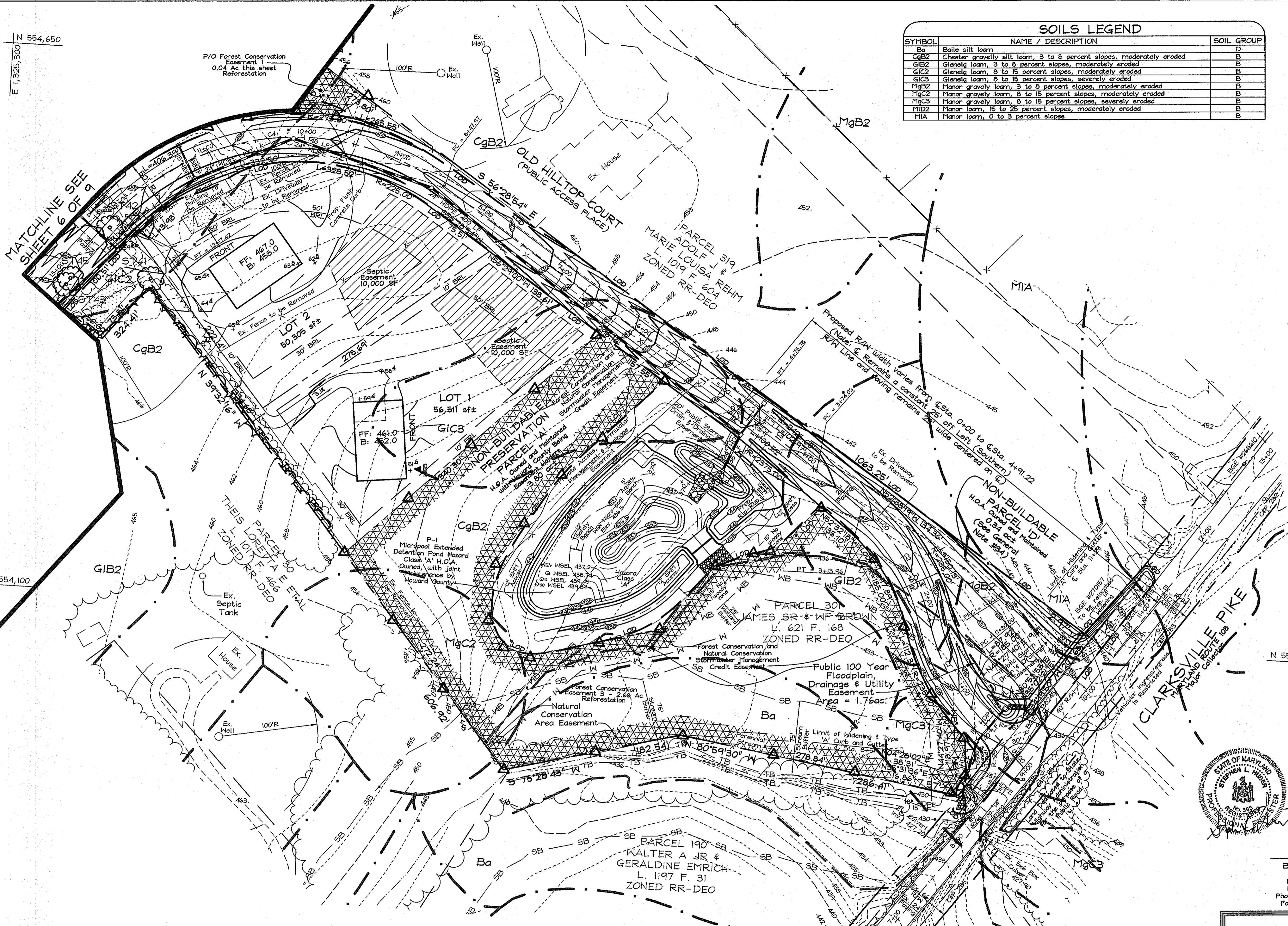
MATCHLINE SEE SHEET 6 OF 9

N 554,100
E 1,325,300

N 554,100
E 1,326,650

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgB2	Chester gravelly silt loam, 3 to 8 percent slopes, moderately eroded	B
GIB2	Gienetq loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Gienetq loam, 8 to 15 percent slopes, moderately eroded	B
GIC3	Gienetq loam, 8 to 15 percent slopes, severely eroded	B
MgB2	Manor gravelly loam, 3 to 8 percent slopes, moderately eroded	B
MgC2	Manor gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MgC3	Manor gravelly loam, 8 to 15 percent slopes, severely eroded	B
MID2	Manor loam, 15 to 25 percent slopes, moderately eroded	B
MIA	Manor loam, 0 to 3 percent slopes	B

LEGEND	
15% - 25% slopes	
25% or greater slopes	
Stream Centerline	
Stream Buffer	
Wetland	
Wetland Buffer	
Floodplain	
Soil Boundary	
Soil Label	
FCE Signage	
Tree Protection Fence	
Forest Conservation Easement	
Retention Area	
Forest Conservation Easement Reforestation Area	



SPECIMEN TREES					
NO.	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION	RETAINED
ST-41	30"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-42	36"	Yellow poplar	Liriodendron tulipifera	Good	NO
ST-43	32"	Yellow poplar	Liriodendron tulipifera	Good	NO

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

David R. Leigh
PLANNING DIRECTOR

10/14/09
DATE

PROFESSIONAL CERTIFICATION

I hereby 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 No. #22418, Expiration Date: 07/29/09.

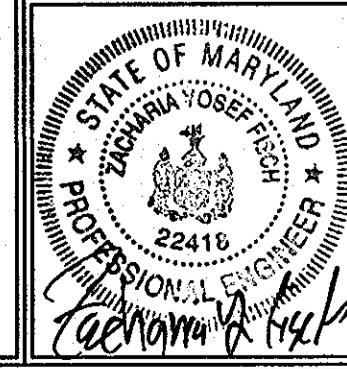


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LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
TAX MAP 34, GRID 23 PARCEL 301
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



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DESIGN BY: AB/PS
DRAWN BY: HK/RL
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Aug 12, 2009
W.O. No.: 3301
SHEET No.: 7 OF 9

FOREST CONSERVATION WORKSHEET

Net Tract Area	Acres
A. Total Tract Area	24.60
B. Area Within 100 Year Floodplain	1.77
C. Other deductions	0
D. Net Tract Area	22.83
Zoning Use Category: RESIDENTIAL-SUBURBAN	
Land Use Category	
E. Afforestation Minimum (20 % x D)	4.57
F. Conservation Threshold (25 % x D)	5.71
Existing Forest Cover	
G. Existing Forest on Net Tract Area	10.10
H. Forest Area Above Conservation Threshold	4.39
Break-even Point	
I. Forest Retention Above Threshold with no Mitigation	6.59
J. Clearing Permitted without Mitigation	3.51
Proposed Forest Clearing	
K. Forest Areas to be Cleared	7.47
L. Forest Areas to be Retained	2.63
Planting Requirements	
M. Reforestation for Clearing Above Threshold	1.10
N. Reforestation for Clearing Below the Threshold	6.16
P. Credit for Retention Above Conservation Threshold	0
Q. Total Reforestation Required	7.25
R. Total Afforestation Required	0
S. Total Reforestation and Afforestation Requirement	7.25

FOREST CONSERVATION NARRATIVE

This Forest Conservation Plan has been developed in accordance with the Howard County Forest Conservation Act of 1991 and utilizes the guidelines for Rural Cluster Subdivisions.

The total tract area consists of 24.60 acres of land. The site contains 1.77 acres of floodplain and a significant number of specimen trees. The Preservation Parcels on the site are included in the net tract. The net tract is 22.83 acres.

Due to extensive sensitive environmental features on site and septic requirements, forest preservation was difficult to achieve in large amounts. Actual clearing for site development will be minimized, though credited area is small. The total forest retained in easements is 2.63 acres. The planting obligation for the site is 7.25 acres, 5.25 ac of which is met on site for a remaining obligation of 2.00 acres. The remaining obligation will be met offsite Forest Conservation planting on Macbeth Farm Non-buildable Preservation Parcel 'C', F-06-101, Plat #18793.

The three easements will protect and enhance existing forest areas and add forest in priority areas (floodplain, wetlands, streams and their buffers). Easement 1 contains retention and reforestation in primarily priority areas. Easement 2 contains retention and reforestation. Easement 3 is entirely reforestation, largely in priority floodplain, and will utilize a combination of large and small caliber stock. The large stock will serve to buffer the stormwater management facility.

The total forest conservation obligation met on this site is 7.88 acres, with a total forest conservation credit amount of \$137,257.60 (retention of 2.63 ac @ \$14,563 sf x \$0.20/sf = \$22,912.60) + reforestation planting of 5.25 ac @ \$28,690 sf x \$0.50/sf = \$114,345.00).

FOREST CONSERVATION EASEMENT TABLE

EASEMENT	TYPE	AREA (AC.)
1	Reforestation Retention	2.51
		1.83
2	Reforestation Retention	0.08
		0.80
3	Reforestation	2.66
TOTALS	Reforestation Retention	5.25
	Reforestation	2.63
	Total Easement Area	7.88

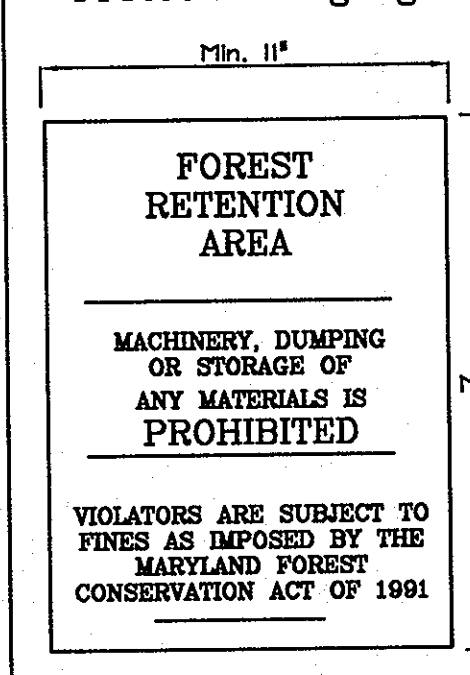
The forest conservation easements have been established to fulfill the requirements of Section 16.1200 of the Howard County Code and the Forest Conservation Manual. No clearing, grading or construction is permitted within the forest conservation easements, however, forest management practices as defined in the Deed of Forest Conservation Easement are allowed.

Plant Selection and Density Spacing Requirements.

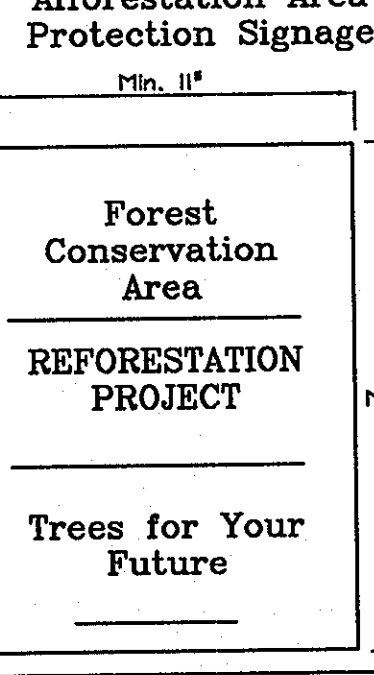
Planting Material Size and Density Planting: Planting size and density shall be varied with a combination of planting stock. Planting quantity and spacing are based on square footage credit, which varies by material size. A total of 43,560 sq. ft. of planting credit must be fulfilled for each acre planted. This credit can be fulfilled with any combination of material size in accordance with the following chart.

Material Size	Spacing	TPA	Sq. Ft. Credit	Comments
2" caliper trees	20' x 20'	100	435.6	B & B
1" caliper trees	15' x 15'	200	217.8	B & B
seedlings or whips	11' x 11'	350	125	Container 1-3 gal w/tree shelters
seedlings or shrubs	8' x 8'	700	62	Bare root

Forest Retention Area Protection Signage

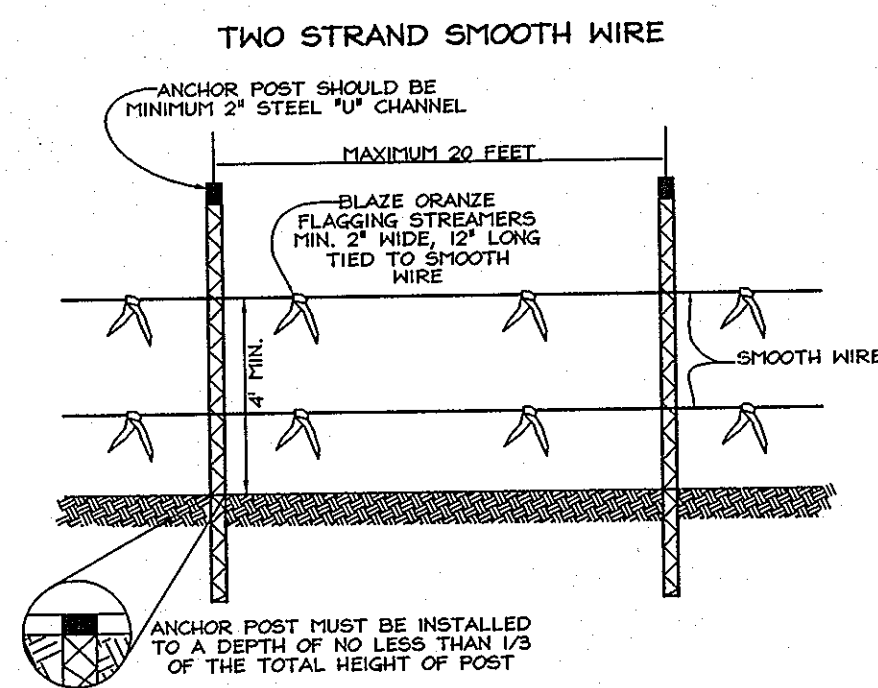


Reforestation Area Protection Signage



SIGN DETAIL: PERMANENT SIGN

SIGNAGE NOTE: ALL TREE PROTECTION SIGNS SHALL BE PLACED ON METAL 'T' POSTS OR PRESSURE TREATED WOOD POLES. NO ATTACHMENT OF SIGNS TO TREES IS PERMITTED.



- NOTES:
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 - ROOT DAMAGE SHOULD BE AVOIDED.
 - PROTECTIVE SIGNAGE MAY ALSO BE USED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

TREE PROTECTION DETAIL

NOT TO SCALE

Management Notes for Forest Retention Areas

- All proposed activities shall adhere to the conditions, schedules and terms of an approved sediment control and erosion plan.
- After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on-site, a preconstruction meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate County Inspectors shall attend.
- Tree protection for all retained areas:
 - All retention areas within 50 feet of proposed construction activities shall be protected by highly visible, well anchored temporary protection devices (silt fence or blaze orange plastic mesh).
 - All protection devices shall be in place prior to any grading or land clearing.
 - All protection devices shall be properly maintained and shall remain in place until construction has ceased.
 - Attachment of signs, fencing or other objects to trees is prohibited.
 - No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.
- If the critical root zone (see detail) is affected by construction activities such as grade change, digging for foundations and roads or utility installation:
 - Prune roots with a clean cut using proper pruning equipment (see root pruning detail).
 - Water and fertilize as needed.
- During construction phase, monitor and correct condition of retained trees for: soil compaction, root injury, flood conditions, drought conditions and other stress signs.
 - Post-Construction Phase
 - Inspect existing trees around the perimeter of disturbed limits for evidence of soil compaction, root injury, limb injury, or other stress signs and correct with proper management techniques such as root or limb pruning, soil aeration, fertilization, crown reduction or watering. Inspection and evaluation shall be performed by a licensed arborist.
 - Inspect for dead or dying trees or limbs which may pose safety hazard and remove.
 - No burial of discarded materials will occur onsite within the conservation areas.
 - No burning within 100 feet of wooded area.
 - All temporary forest protection structures will be removed after construction. Temporary signage shall be replaced with permanent signage on posts in locations shown.
 - Following completion of construction, prior to use, the County inspector shall inspect the entire area.

Soil Protection Zone Notes

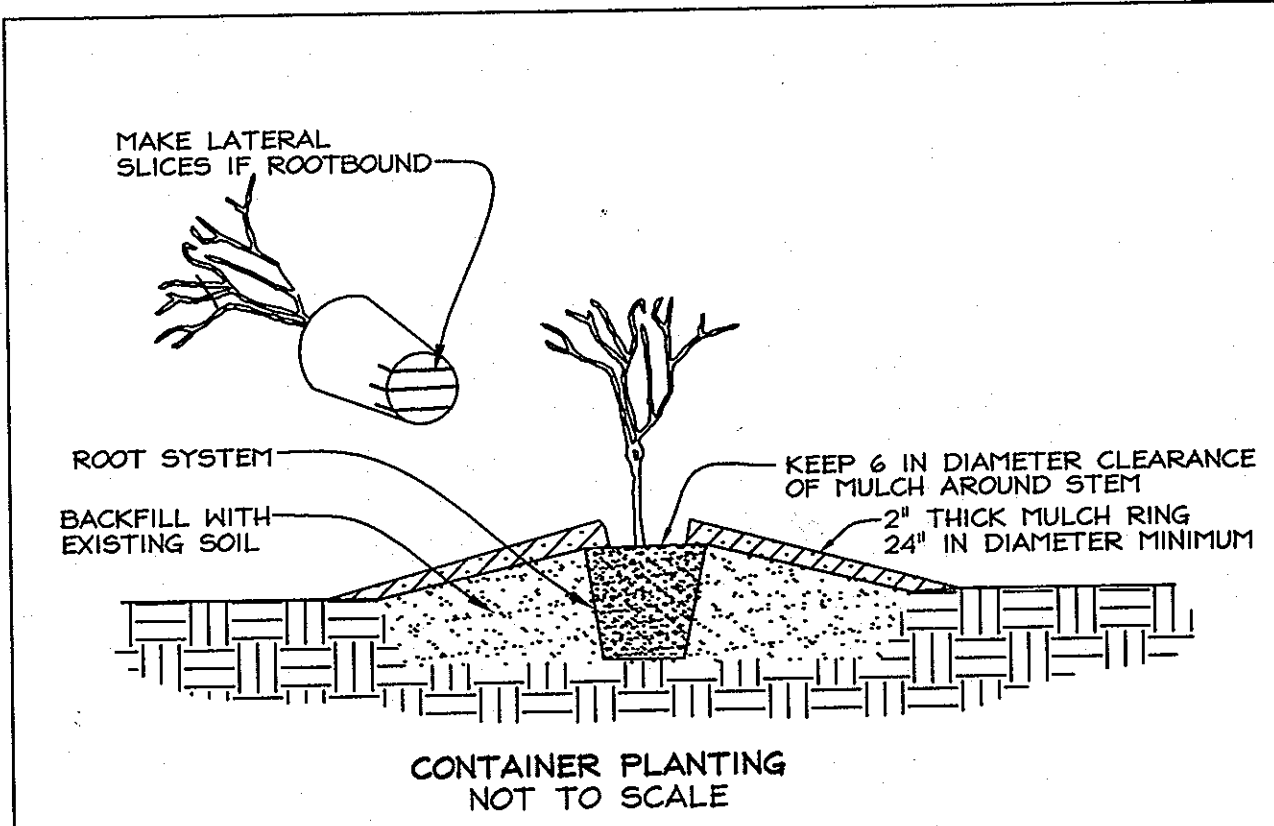
- The Soil Protection Zone shall include all areas contained inside the Limit of Disturbance.
- Where possible, the Soil Protection Zone shall extend to the drip line of specimen trees. For other groups of trees, the zone shall be the drip line or 40% of the height of the tree, whichever is greater.
- No construction activity is permitted within the Soil Protection Zone.
- If soil has been compacted or grading has taken place in the vicinity of the Soil Protection Zone, root pruning shall be implemented per Root Pruning detail, shown on this plan.
- Root pruning shall occur prior to the beginning of construction.
- Where the Soil Protection Zone must encroach inside the Critical Root Zone of a tree, soil disturbance shall be mitigated with vertical mulching, radial trenching, or another method approved by the ERI Forest Conservation Professional.
- Prior to construction, the Limits of Disturbance shall be marked and the ERI Professional shall determine which trees will need preventative treatment or removal.
- Tree maintenance and removal shall be undertaken by a qualified NID Tree Expert to ensure damage to surrounding trees is minimized.
- Brush and limbs removed for construction shall be chipped and spread at the edge of the Soil Protection Zone to a depth of 6 inches. This shall occur outside the Soil Protection Zone where compaction could impact otherwise unprotected Critical Root Zone.

Planting Area Monitoring Notes

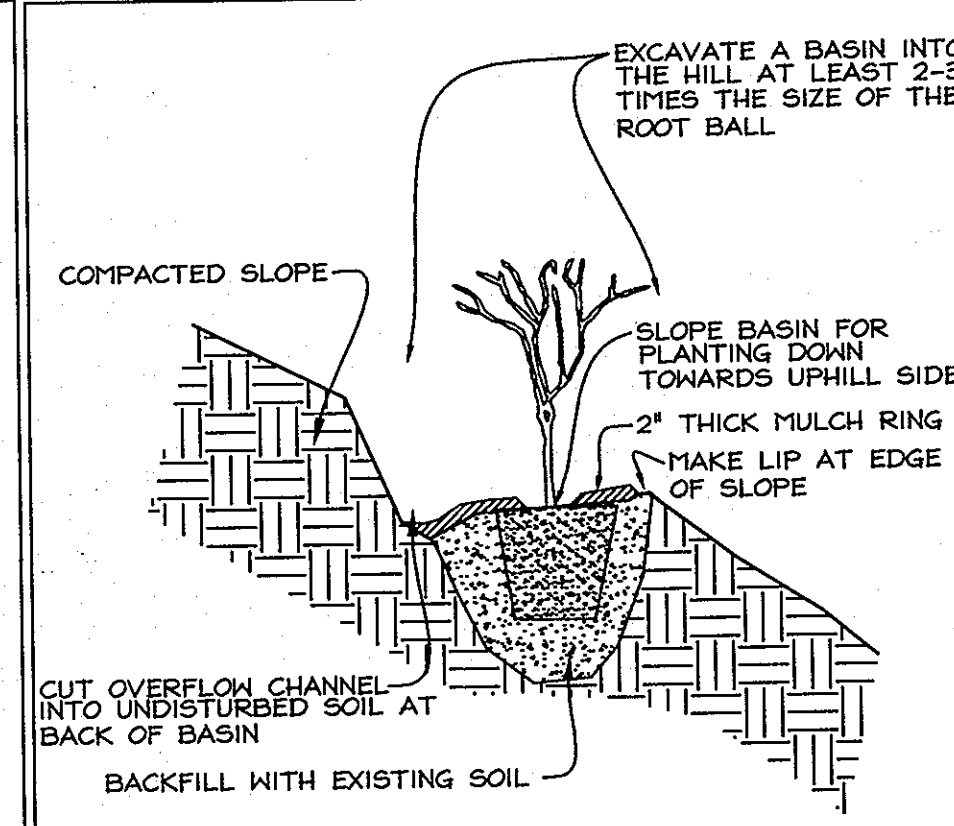
- Monthly visits during the first growing season are to assess the success of the plantings and to determine if supplemental watering, pest control, invasive plant control, mousing, deer protection or other actions are necessary. Early spring visits will document winter kill and autumn visits will document summer kill.
- The minimum survival rate shall be 75% of the total number of trees planted per acre at the end of the first year maintenance period. Wild tree seedlings from natural regeneration on the planting site may be counted up to 50% toward the total survival number if they are healthy native species at least 12 inches tall.
- Survival will be determined by a stratified random sampling of the plantings.
- Effective monitoring will assess plant survival during the first growing season and make recommendations for reinforcement plantings if required at that time.
- A final inspection and certification by the ERI qualified professional is required after the second growing season.

Reforestation Area Planting Notes

- Reforestation areas may be planted as soon as reasonable to do so. Late winter- early spring plantings are preferred. Earliest planting dates will vary from year to year but planting may generally begin as soon as the ground is no longer frozen. Alternate planting dates may be considered as conditions warrant.
- Soil amendments and fertilization recommendations will be made based upon the results of soil analysis for nitrogen, phosphorus, potassium, organic matter content and pH. If required, fertilizer will be provided using a slow release, soluble 16-8-16 analysis designed to last 5-8 years contained in polyethylene perforated bags such as manufactured by ADCO Works, P.O. Box 310 Hollis, N.Y. 11428 or approved equal.
- Plant materials shall be planted in accordance with the planting diagram, planting details and planting schedule.
- Plant stock must be protected from desiccation at all times prior to planting. Materials held for planting shall be moistened and placed in cool shaded areas until ready for placement.
- Planting materials shall be nursery grown and inspected prior to planting. Plants not conforming to the American Standards for Nursery Stock specifications for size, form, vigor, or roots, or due to trunk wounds, breakage, desiccation, insect or disease must be replaced.
- Newly planted trees may require watering at least once per week during the first growing season depending on rainfall in order to get established. The initial watering operation should allow for watering during installation to completely soak backfill materials.
- Mulch shall be applied in accordance with the diagram provided and shall consist of woodchips or shredded hardwood bark mulch, free of wood alcohol.
- Planting holes shall be excavated to a minimum diameter of 2.5 to 3 times the diameter of the root ball or container. Mechanical angling is preferred with scarification of the sides of each hole.
- Site preparation for planting shall include moving of entire planting area, then banded tilling of 4 ft. wide bands spaced 110.c. and laid out in curvilinear rows. Stabilize disturbed areas with perennial rye after planting.



- PLANTING PROCEDURE FOR CONTAINER GROWN PLANTS**
- REMOVE THE PLANT EITHER BY CUTTING OR INVERTING THE CONTAINER
 - USE A KNIFE TO CUT THROUGH BOTTOM HALF OF THE ROOT BALL.
 - PLANT SHRUBS ON FORMED UP MOUNDS 4" ABOVE THE EXISTING GRADE WITH EXISTING GRADE.
 - PLANTING HOLE TO BE 2-3 TIMES THE DIAMETER OF THE CONTAINER.
 - INSERT FERTILIZER TABLET, BACKFILL 2/3 OF THE ROOT BALL AND WATER.
 - AFTER WATER PERCOLATES, BACKFILL HOLE TO TOP OF ROOT BALL AND GENTLY TAMP TO FIRMLY CONTACT WITH PLANT.
 - APPLY MULCH RING AROUND PLANT KEEPING A 6 IN CLEARANCE FROM STEM.

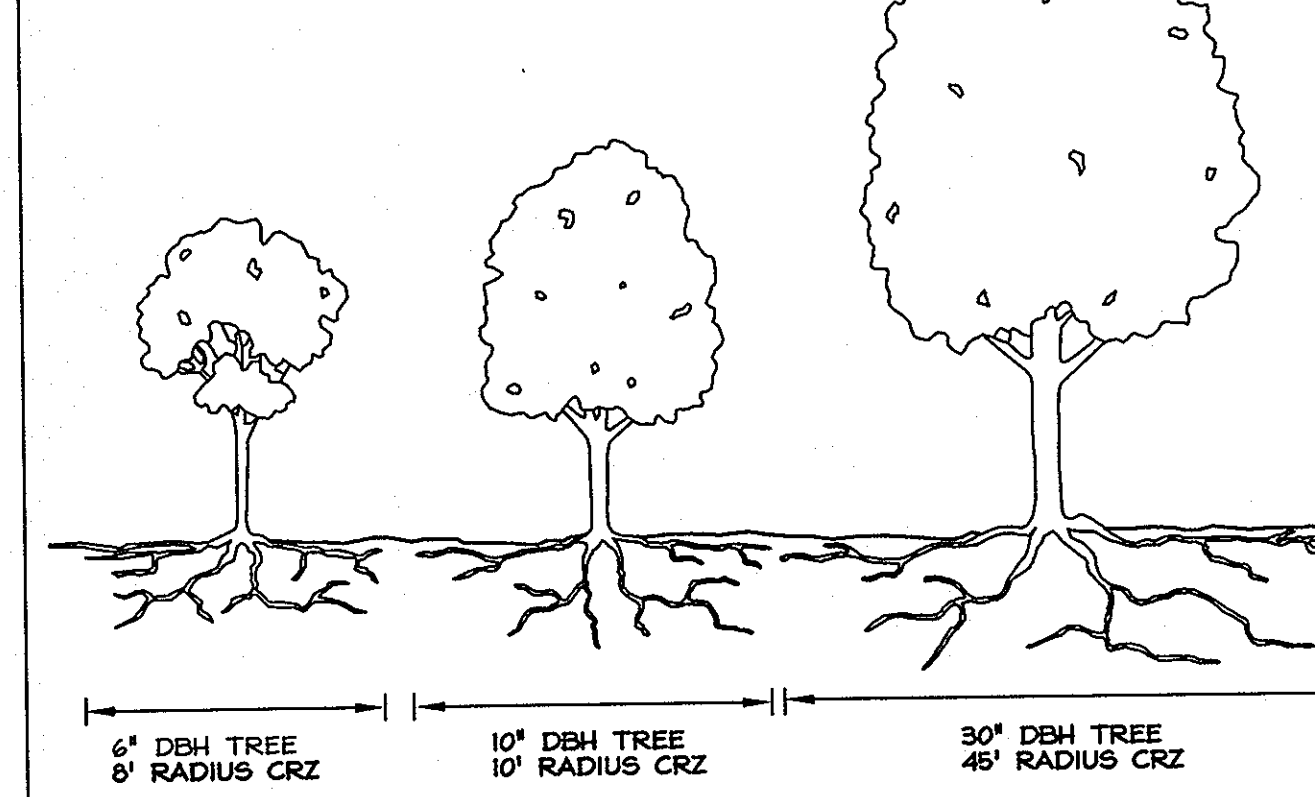


- PLANTING ON STEEP SLOPES NOT TO SCALE**
- PLANT AS PER CONTAINER PLANTING DETAIL EXCEPT PREP OF PLANTING AREA
 - A BASIN FOR PLANTING IS CUT INTO THE SLOPE WITH PLANT BEING PLACED NEAR THE DOWNHILL EDGE OF THE BASIN.
 - BASIN SHOULD SLOPE TOWARD UPHILL SIDE TO ALLOW RAIN TO BE CAPTURED AND INFILTRATE.
 - AN OVERFLOW CHANNEL SHALL BE CUT INTO UNDISTURBED SOIL AT THE REAR OF THE BASIN TO ALLOW EXCESS RUNOFF AND SEDIMENT TO ESCAPE WITHOUT DAMAGING THE BASIN.
 - MULCH AROUND PLANT IN BASIN.

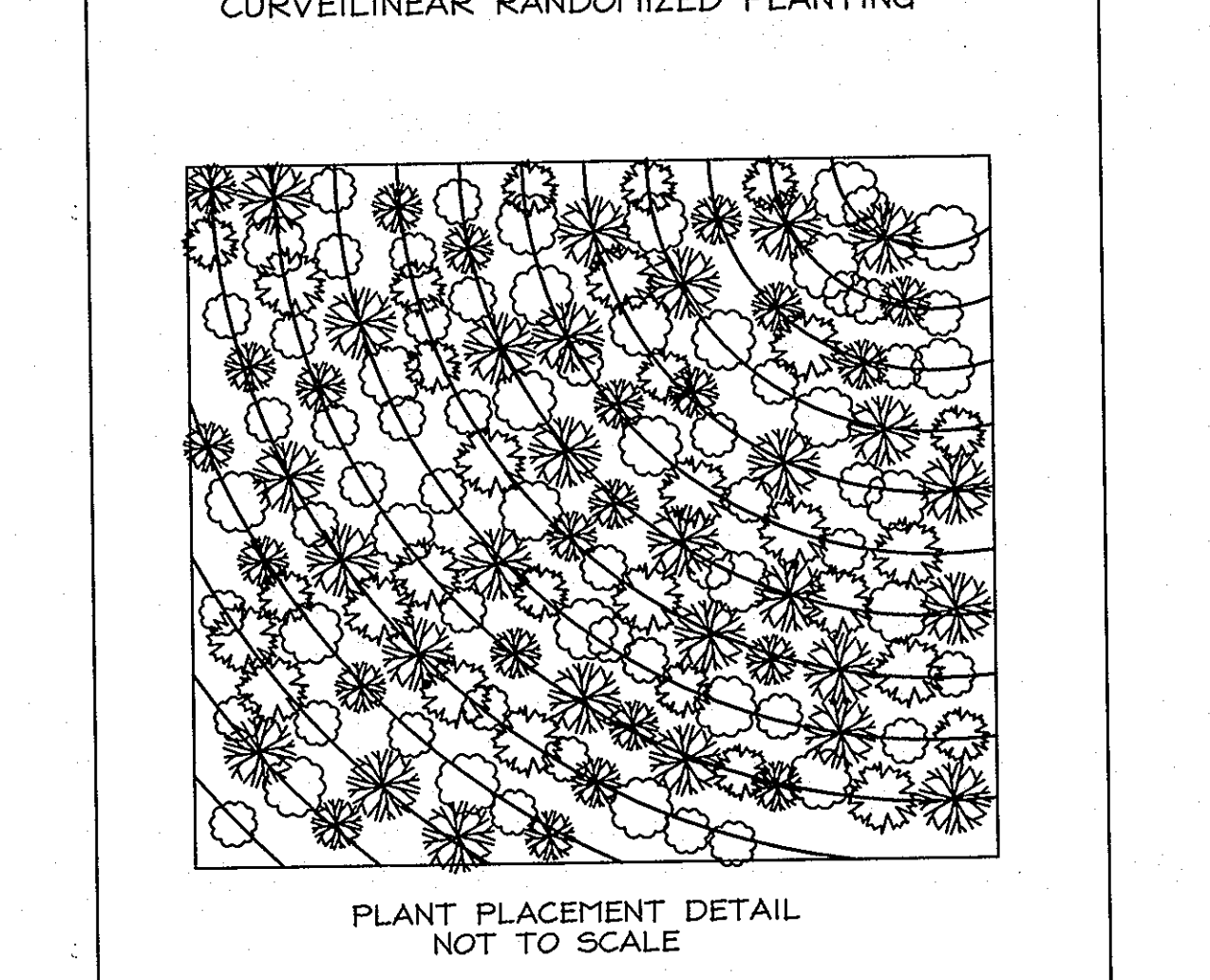
CRITICAL ROOT ZONE

For the edge of large areas, use the greater of the two choices below:
 1" DBH of the tree = 1' radius of the or 8 ft radius circle around the trunk of the tree

For isolated specimen trees:
 1" DBH = 1.5' radius of the critical root zone



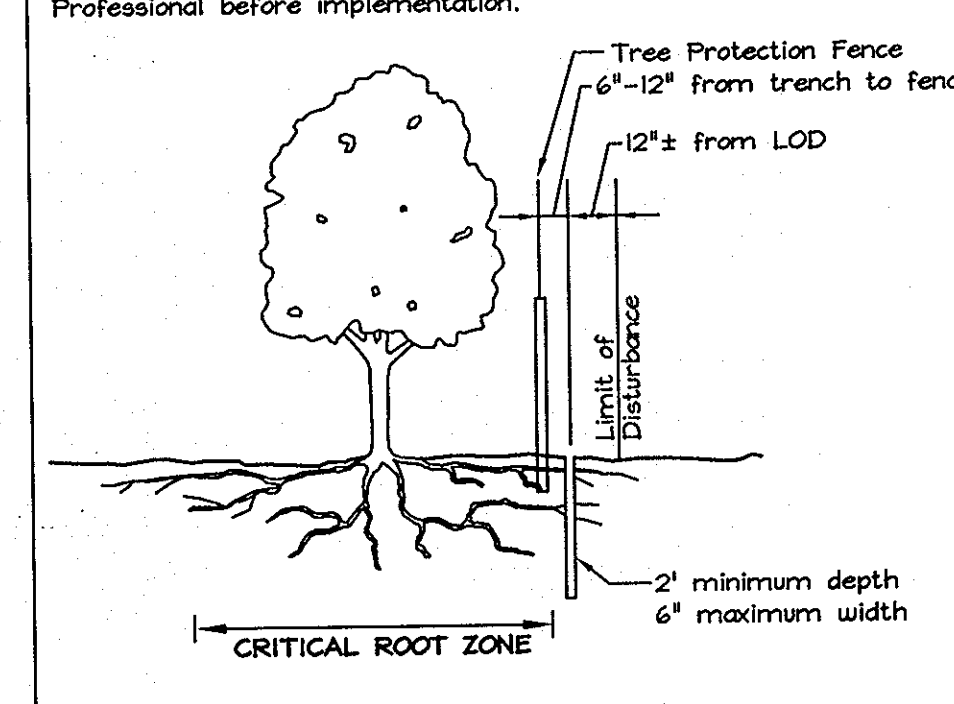
CURVEILINEAR RANDOMIZED PLANTING



- MIX TREE AND SHRUB SPECIES IN THE STAGING AREA.
- SET THE GUIDE CURVILINEAR LINE AS CLOSE TO CONTOUR AS POSSIBLE

ROOT PRUNING

- Retention areas shall be set prior to construction
- Boundaries of retention areas shall be flagged, and location of trench shall be specified by ERI Qualified Professional.
- Roots shall be cut cleanly with root pruning equipment. Where roots 1" are found, trenching shall be done by air spade or hand tools. Roots 1/2" shall be cut with a hand saw.
- Trench shall be immediately backfilled with soil removed or high organic content soil.
- Any other techniques shall be approved by the ERI Qualified Professional before implementation.



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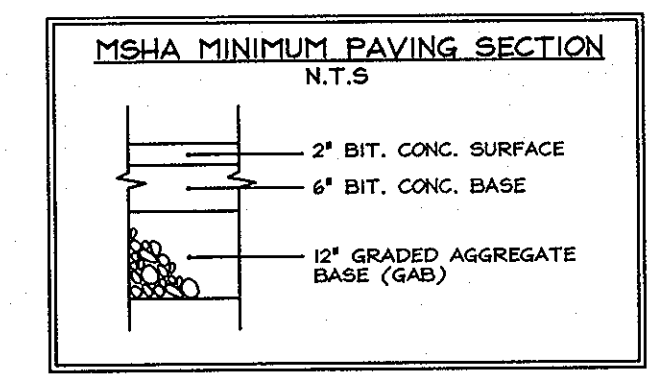
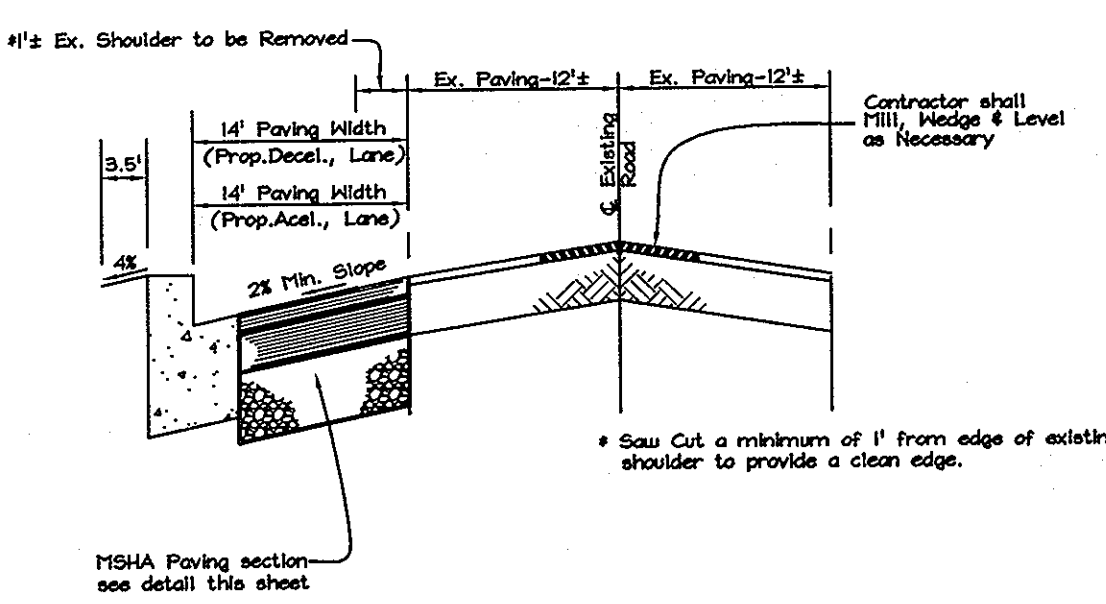
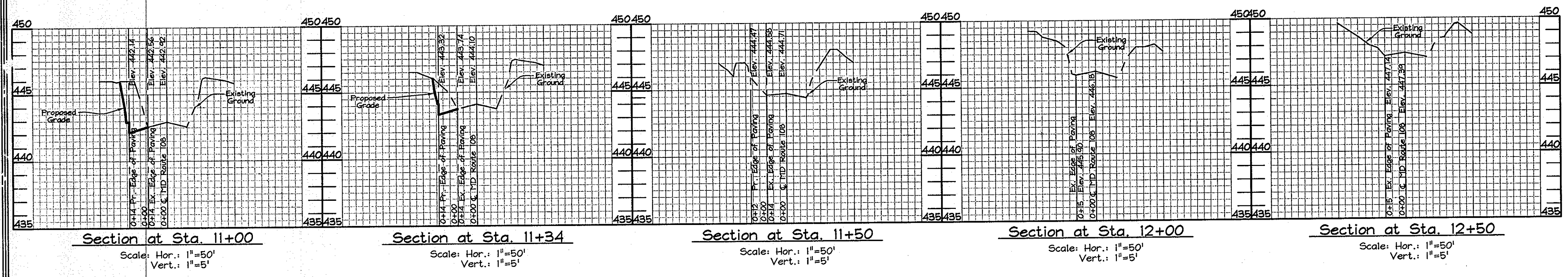
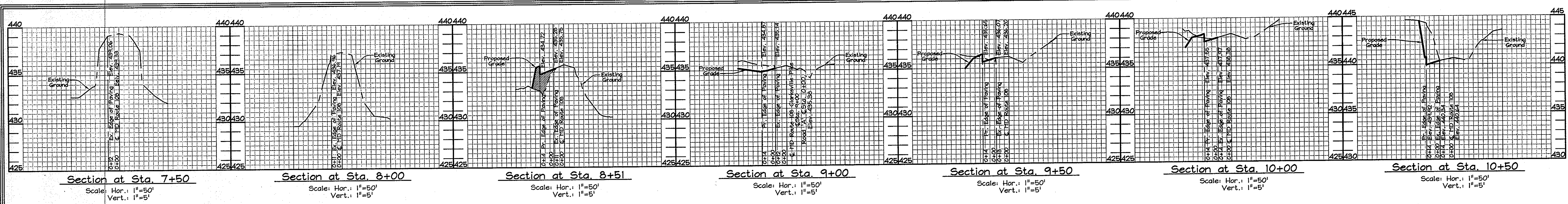
FSH Associates
 Engineers Planners Surveyors
 6339 Howard Lane Ellicott City, MD 21075
 Tel: 410-567-5200 Fax: 410-796-1562
 E-mail: info@fsheri.com

DESIGN BY: AB/PS
 DRAWN BY: HK/RL
 CHECKED BY: ZYE
 SCALE: 1"=50'
 DATE: Aug. 12, 2009
 W.O. No.: 9301
 SHEET No.: 8 OF 9

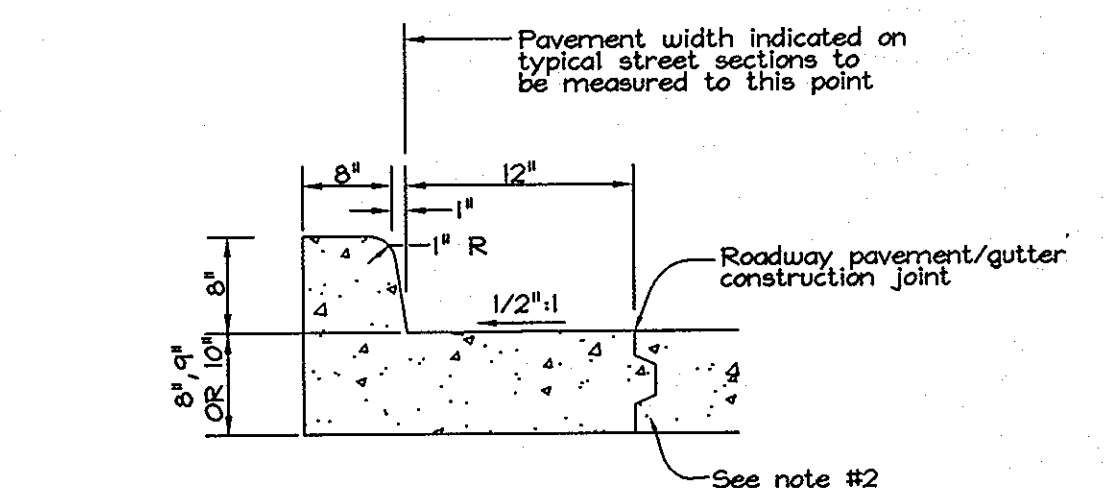
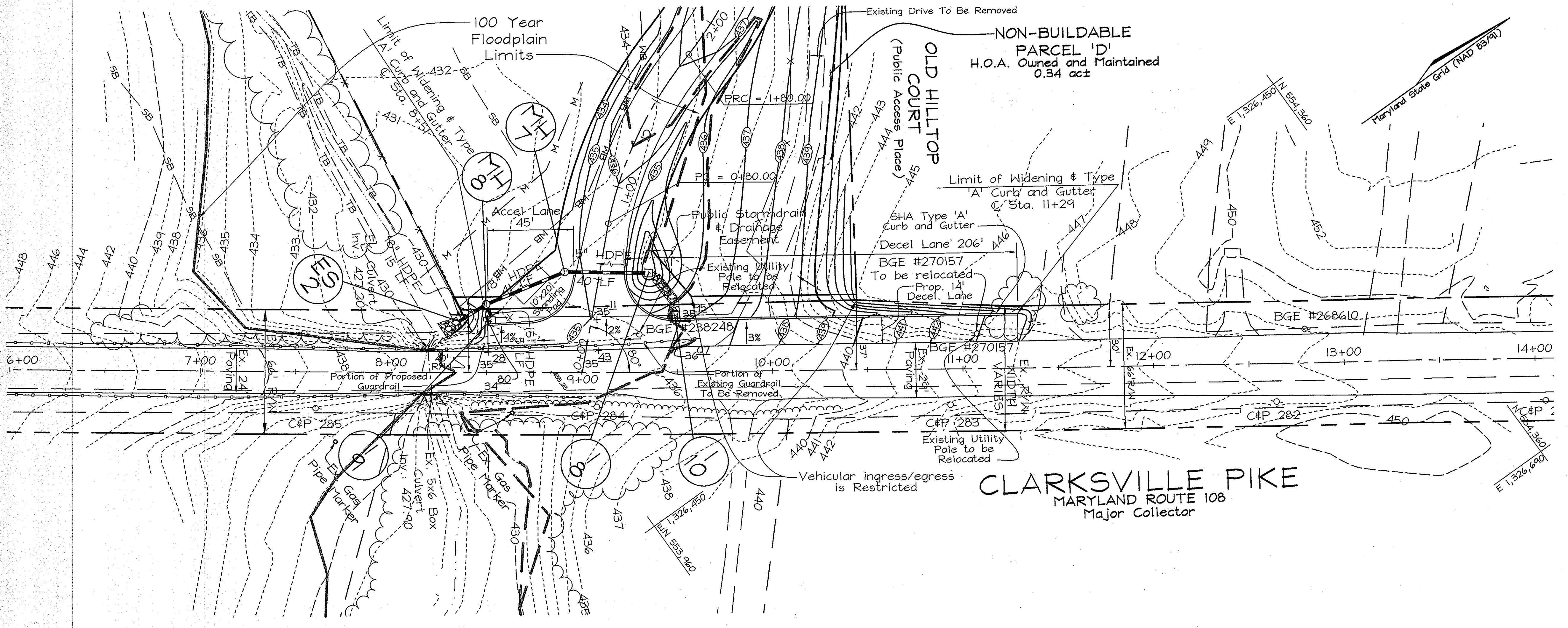
PROFESSIONAL CERTIFICATION
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. #22418, Expiration Date: 07/24/09.

TENTATIVELY APPROVED
 DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY

M. J. Carroll 8/3/09
 PLANNING DIRECTOR DATE



- Notes:
- 1: Test borings to be drilled along proposed acceleration & deceleration lanes to determine suitability of paving section.
 - 2: All spot elevations along curb line are at flow line and not at top of curb.
 - 3: 12" graded aggregate base to be placed in two (2) six inch (6") lifts.



- MSHA TYPE 'A' CONCRETE COMBINATION CURB AND GUTTER
MD. NO. 620.02
NOT TO SCALE
- NOTES:
1. Slope gutter pan 1/2" per foot toward flow line on all roadways including superelevated sections. Except interchange ramps.
 2. Provide Key and Longitudinal tie bar as required.
 3. Maximum joint spacing for concrete curb and gutter is 10'.

PROFESSIONAL CERTIFICATION
I hereby 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 No. #22418, Expiration Date: 07/29/09.

OWNER	DEVELOPER
Bertram Y. Brown Nancy L. Brown 1300 Dorsey Hall Drive, Suite 200 Highland, MD. 20777 Phone No.: (301) 546-9882 Fax No.: (301) 796-2421	Clarksville Preserve, LLC c/o J. Thomas Scrivener 5300 Dorsey Hall Drive, Suite 200 Ellicott City, Maryland 21042 Phone No.: (410) 964-5522 Fax No.: (410) 964-2620

CLARKVILLE PIKE (MD RT 108) ROAD WIDENING, X-SECTIONS AND DETAILS
CLARKVILLE CROSSING
LOTS 1 THRU 11, PRESERVATION PARCELS 'A', 'B', 'C' AND NON-BUILDABLE PARCEL 'D'
TAX MAP 34, GRID 23 5TH ELECTION DISTRICT PARCEL 301
HOWARD COUNTY, MARYLAND

DESIGN BY: FS
DRAWN BY: KSZ/RL
CHECKED BY: ZYP
SCALE: As Shown
DATE: Aug. 12, 2008
W.O. No.: 3301
SHEET No.: 9 OF 9

FSH Associates
Engineers Planners Surveyors
3339 Howard Lane Ellicott City, MD 21075
Tel: 410-567-5200 Fax: 410-796-1562
E-mail: info@fsh.net

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

Mark A. Leight
PLANNING DIRECTOR
10/10/08
DATE

ENTRANCE & WIDENING PLAN
Scale: 1"=30'