

LAYOUT 7/21/06 INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 7/14/06

P 529165

APPROVAL DATE: 7/21/06

A 522028

PERMIT
INDEXED
TAX ID #04-370554

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670
SUBDIVISION: Patapsco Overlook LOT NUMBER: 50
ADDRESS: 747 Weller Drive PROPERTY OWNER: James & Norene Parker
SEPTIC TANK CAPACITY (GALLONS): 1000 OUTLET BAFFLE FILTER REQUIRED
PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED
NUMBER OF BEDROOMS: 3
SQUARE FEET PER BEDROOM: 180
LINEAR FEET OF TRENCH REQUIRED: 128 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.5 feet below original grade. 3.0 feet of stone below distribution pipe.
LOCATION:	Install the septic system as shown on the approved building permit plan.
NOTES:	Basement service by gravity.

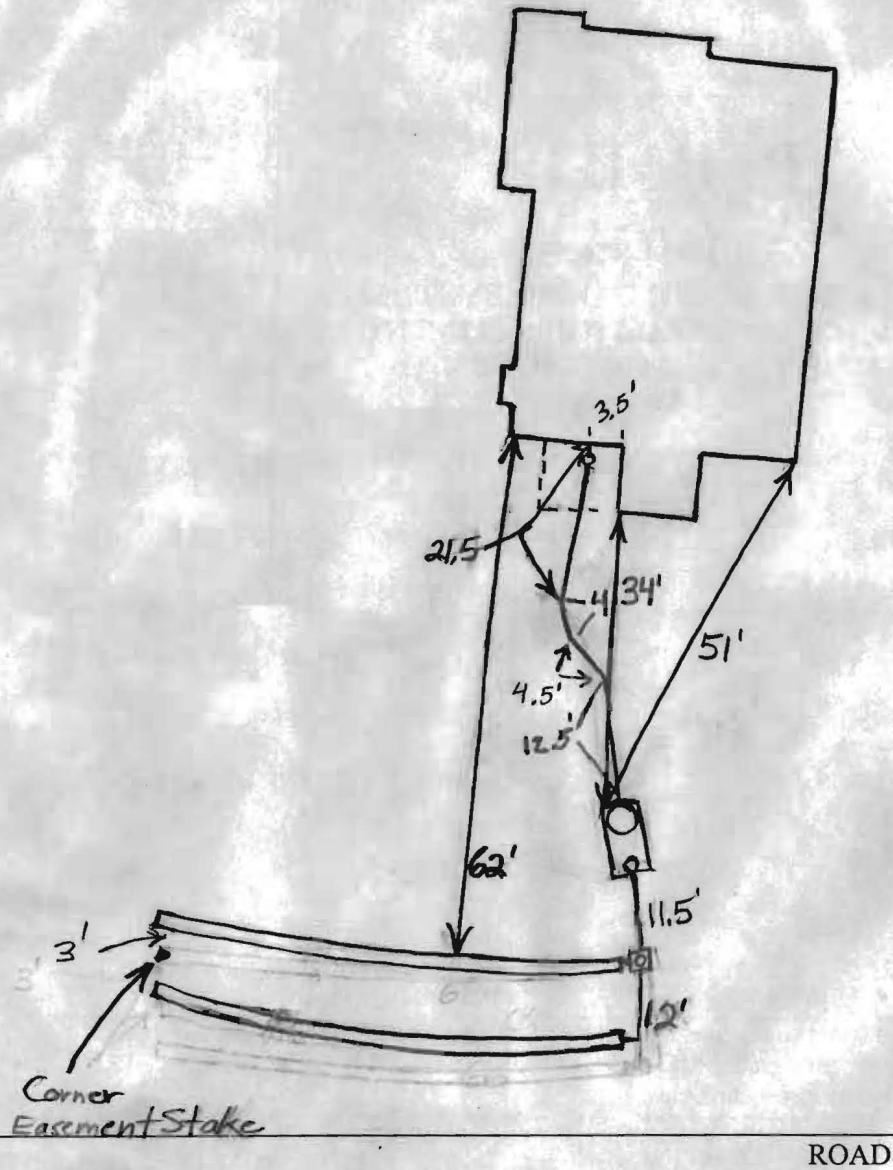
PLANS APPROVED: Sara Fegel Reviewed by: _____ DATE: 5/9/06

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

522028

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	6'
NUMBER OF TRENCHES		2
TOTAL LENGTH		134'
ABSORPTION AREA		402 + Sidewalk
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

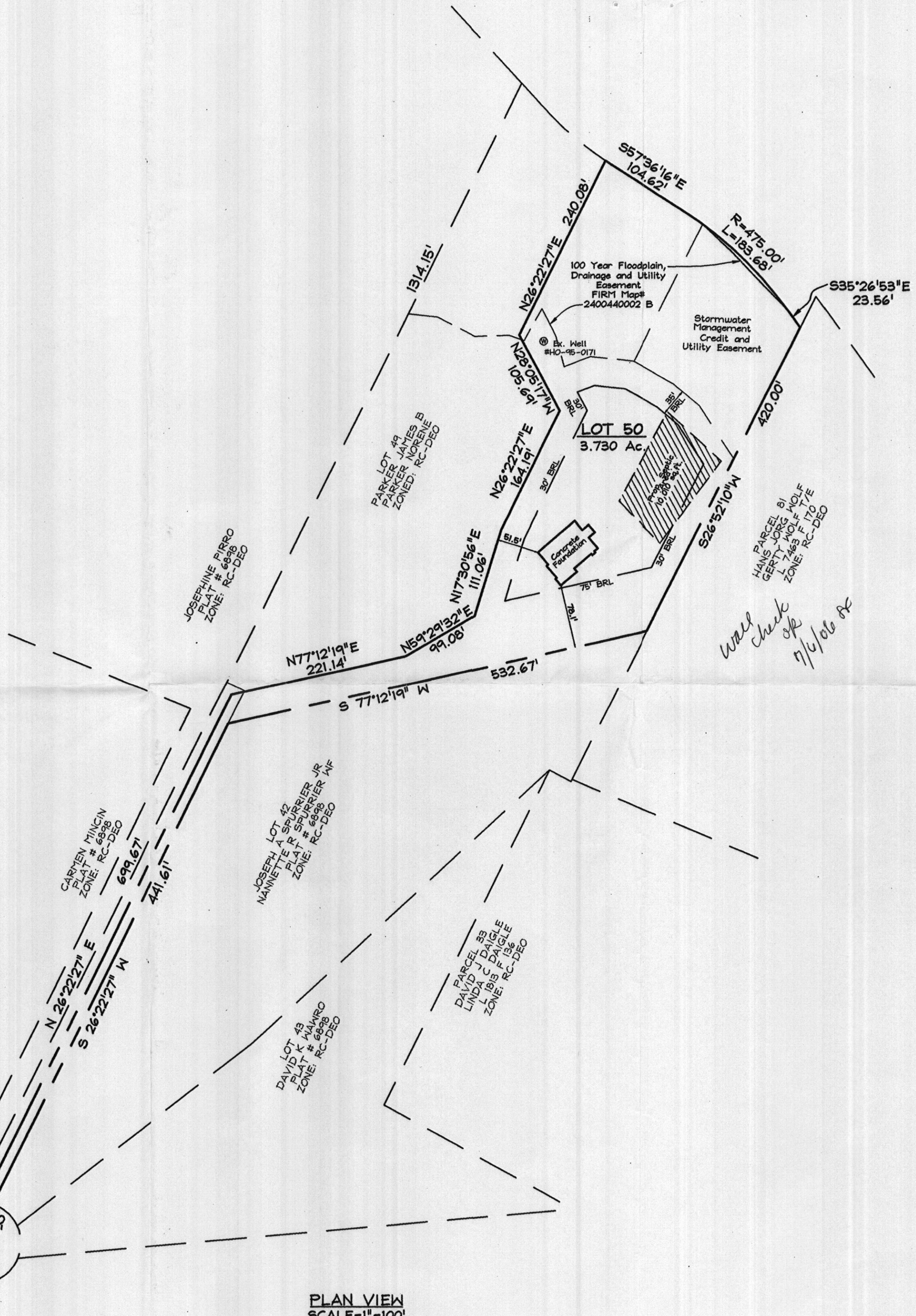
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
CAPACITY	1500 GAL
SEAM LOC	Top
2-Comp. TANK LID DEPTH	0.5'-2'
BAFFLES	Yes
Babylon BAFFLE FILTER	No
MANHOLE LOC	Front
6" PORT LOC	Rear
HO-95-0171 WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL N/A	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 7/21/06

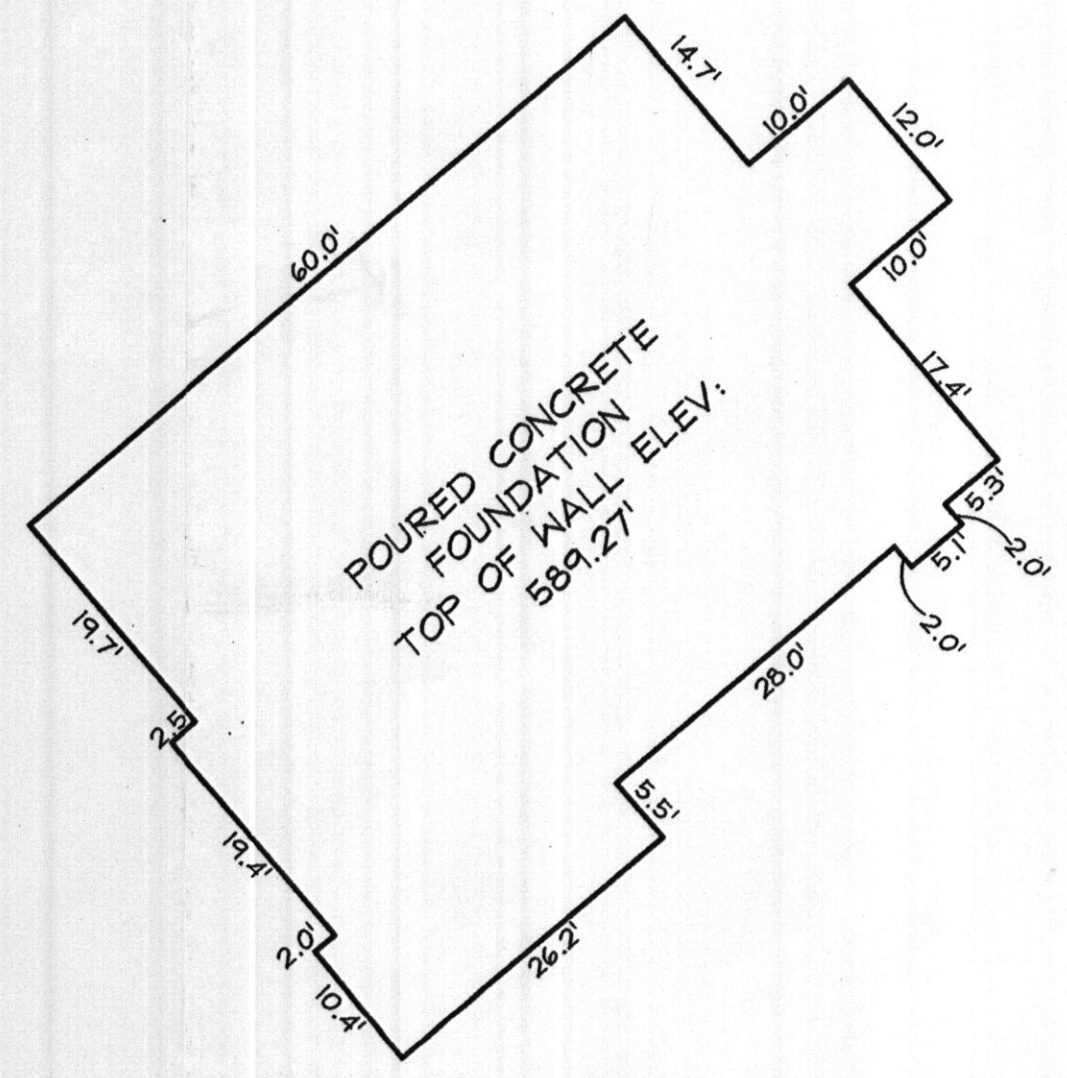
INSTALLATION 7/21/06 System finished. O.K. to backfill. (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 7/21/06

Maryland State Grid (NAD 83/91)



PLAN VIEW
SCALE=1"=100'



FOUNDATION DETAIL
NOT TO SCALE

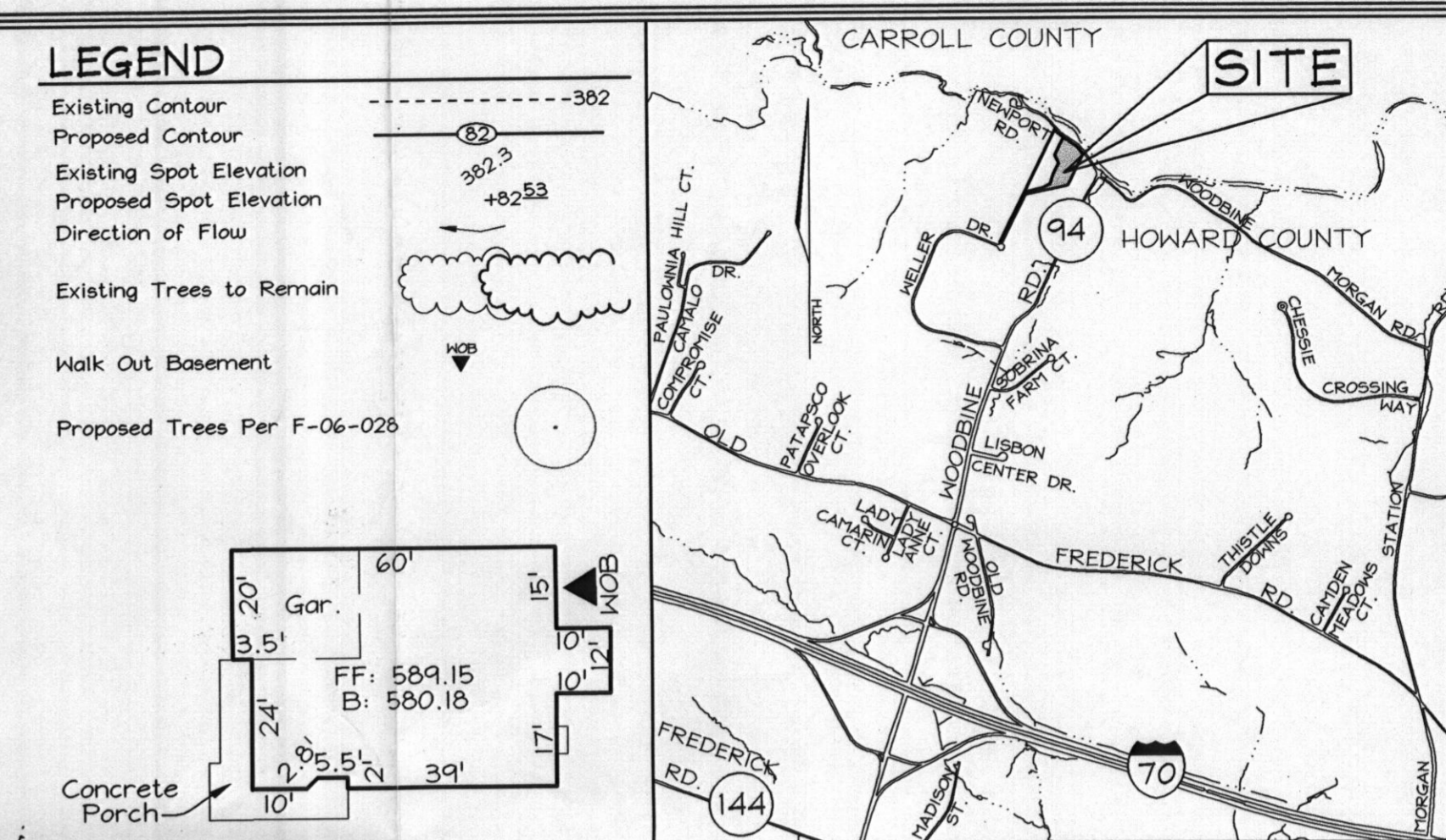
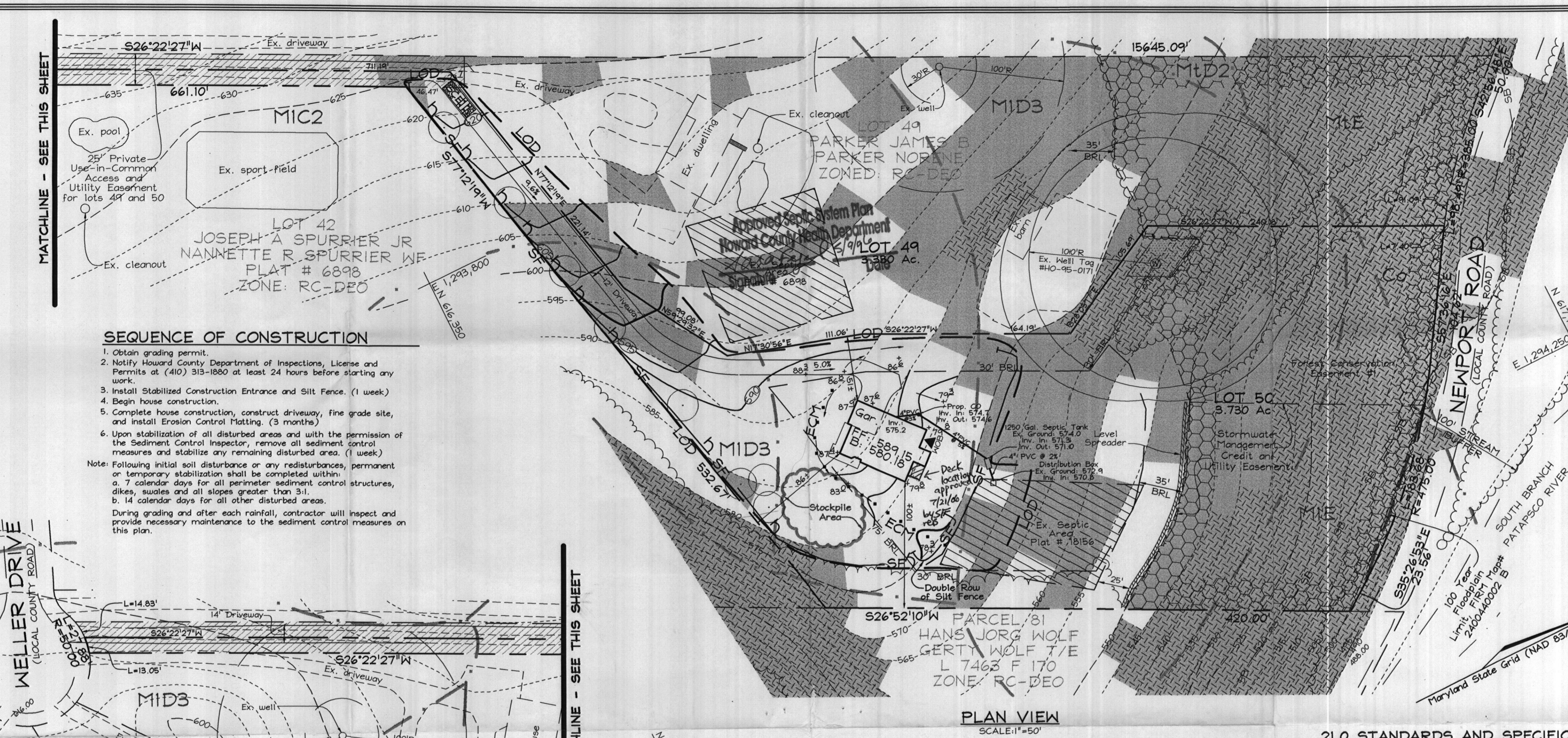
LEGEND

- | | |
|------------------|---------------------------|
| F/P = FIREPLACE | O/H = OVERHANG |
| B/W = BAY WINDOW | H/P = HEAT PUMP/AIR COND. |
| D/W = DRIVEWAY | G/M = GAS METER |
| CONC = CONCRETE | E/M = ELECTRIC METER |

DIMENSIONS FROM FOUNDATION WALL TO PROPERTY LINE ARE ±0.1'
 ADDRESS No.: 747 WELDER DRIVE
 TOP OF WALL ELEV. = 589.27' FIRST FLOOR ELEV. = N/A
 THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY
 INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE
 COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED
 TRANSFER, FINANCING OR REFINANCING;
 THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ES-
 TABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR
 OTHER EXISTING OR FUTURE IMPROVEMENTS;
 AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE
 ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT
 SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER
 OF TITLE OR SECURING FINANCING OR REFINANCING.

LOT 50
PATAPSCO OVERLOOK
 PLAT #18156
 TAX MAP 2 GRID 24 PARCEL 227
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

	FSH Associates		WALL CHECK
	Engineers Planners Surveyors 8318 Forrest Street Ellicott City, MD 21043 Tel: 410-750-2251 Fax: 410-750-7350 E-mail: info@fsha.biz		FOUNDATION Date: 06/02/06 FINAL Date:
	DRAWN BY: JKL SCALE: As Shown		W.O. No.: 3299
	JAMES B. MORENE PARKER 800159026 747 WELDER DR. MTAIRY, MD 21771 410-489-5378		



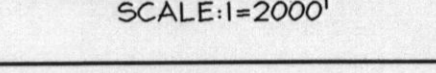
SEQUENCE OF CONSTRUCTION

1. Obtain grading permit.
 2. Notify Howard County Department of Inspections, License and Permits at (410) 313-1800 at least 24 hours before starting any work.
 3. Install Stabilized Construction Entrance and Silt Fence. (1 week)
 4. Begin house construction.
 5. Complete house construction, construct driveway, fine grade site, and install Erosion Control Matting. (3 months)
 6. Upon stabilization of all disturbed areas and with the permission of the Sediment Control Inspector, remove all sediment control measures and stabilize any remaining disturbed area. (1 week)
- Note: Following initial soil disturbance or any redisturbances, permanent or temporary stabilization shall be completed within:
- a. 7 calendar days for all perimeter sediment control structures, dikes, silt fences and all slopes greater than 3:1
 - b. 14 calendar days for all other disturbed areas.
- During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the sediment control measures on this plan.

HOUSE TEMPLATE



VICINITY MAP



GENERAL NOTES

1. Subject property zoned RC-DEO per 02/02/04 Comprehensive Zoning Plan.
2. Total acre of property = 7.060 ac.±
3. Private water and sewer will be used within this site.
4. This area designates a private sewage easement, of at least 10,000 SF 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. Recordation of a modified sewage easement shall not be necessary.
5. Existing Topography based on Howard County Aerial maps from 1993.
6. The lots shown herein comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
7. This plan is based on field run Monumented Boundary Survey performed on or about March 2, 2005 by FSH Associates. All lot areas are more or less (+/-).
8. Stormwater management for this site is provided as follows: The site is exempt from providing GVI, IGV and Rev is provided by non-roof-top disconnects and sheet flow to buffer credit, see F-06-028 for details.
9. The existing well shown on this plan (identified with the attached well tag number: HO-95-0171) has been field located by FSH Associates professional surveyor and is accurately shown.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) and 600 lbs. / acre (20.7 lbs./1000s.f.) of 10-10-10 to 20-20-20 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply a mixture of Turf Type Tall fescue (80%) and Hard Fescue (20%) in accordance with seeding dates and rates shown in the Permanent Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below and apply permanent seeding when within proper seeding dates.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Agra-Tack), DCA-700, Petroset and other approved equals may be used at rates recommended by the manufacturers.

PLAN VIEW

SCALE: 1" = 50'

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (410-313-1855).
2. All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1934 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL; and revisions thereto.
3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days for all to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted or their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1934 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL; for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7. Site Analysis:

Total Area	3.68 Acres
Area Disturbed	1.33 Acres
Area to be roofed or paved	0.21 Acres
Area to be vegetatively stabilized	1.12 Acres
Total Cut	854 CY
Total Fill	2,000 CY
Offsite waste/borrow area location	#

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies
I. This practice is limited to areas having 21 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
c. The original soil to be vegetated contains material toxic to plant growth.
d. The soil is so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:
i. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1/4" and 1/2" in diameter.
ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutcase, poison ivy, thistle, or others as specified.
iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

Permanent Seeding Summary

No.	Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)			Lime Rate
					N	P2O5	K2O	
10	Tall Fescue (80%) Hard Fescue (20%)	120 30	3/1-5/15 8/15-11/15	0.5 in.	90lb/ac (2.0lb/1000sf)	175lb/ac (4lb/1000sf)	175lb/ac (4lb/1000sf)	2tons/ac (100lb/1000sf)

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use the following schedule: Apply 2 tons per acre dolomitic limestone (42 lbs/1000 s.f.) and 600 lbs. / acre (15 lbs./1000s.f.) of 10-10-10 before seeding. Harrow or disc into upper 3 in. of soil.

SEEDING: Apply the Maryland State Highway approved seed mixture of Barley or Rye plus Foxtail Millet in accordance with seeding dates and rates shown in the Temporary Seeding Summary shown on this sheet. For stabilization outside of the seeding dates, apply straw mulch at rates and methods specified below.

MULCHING: Immediately following seeding, apply a uniform 1-2 in. Deep layer of un-rotted small grain straw at a rate of 2 tons/acre. (Apply 2.5 Tons/acre if a mulch anchoring tool is used.) Straw may be anchored with wood cellulose fiber at a rate of 750 lbs. / acre mixed at a ratio of 50 lbs. Of wood fiber/ 100 gal. of water. Synthetic liquid binders such as Terra Tax II, Acrylic DLR (Agra-Tack), DCA-700, Petroset and other approved equals may be used at rates recommended by the manufacturers.

REFER TO THE 1934 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

Temporary Seeding Summary

No.	Species	Application Rate (lb/acre)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-10-10)			Lime Rate
					N	P2O5	K2O	
2	Barley or Rye plus Foxtail Millet	150 lbs (3.5lb/1000sf)	2/1-11/30 (7a) 3/15-10/31 (ea)	1/4 in. 1/2 in.	600 lb/ac (15lb/1000sf)	600 lb/ac (15lb/1000sf)	2 tons/ac (100lb/1000sf)	

OWNER/DEVELOPER

James B. & Norene Parker
745 Weller Drive
Mount Airy, Maryland 21771-3442

**GRADING PLAN
PATAPSCO OVERLOOK**

LOT 50

TAX MAP 2 GRID 24 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

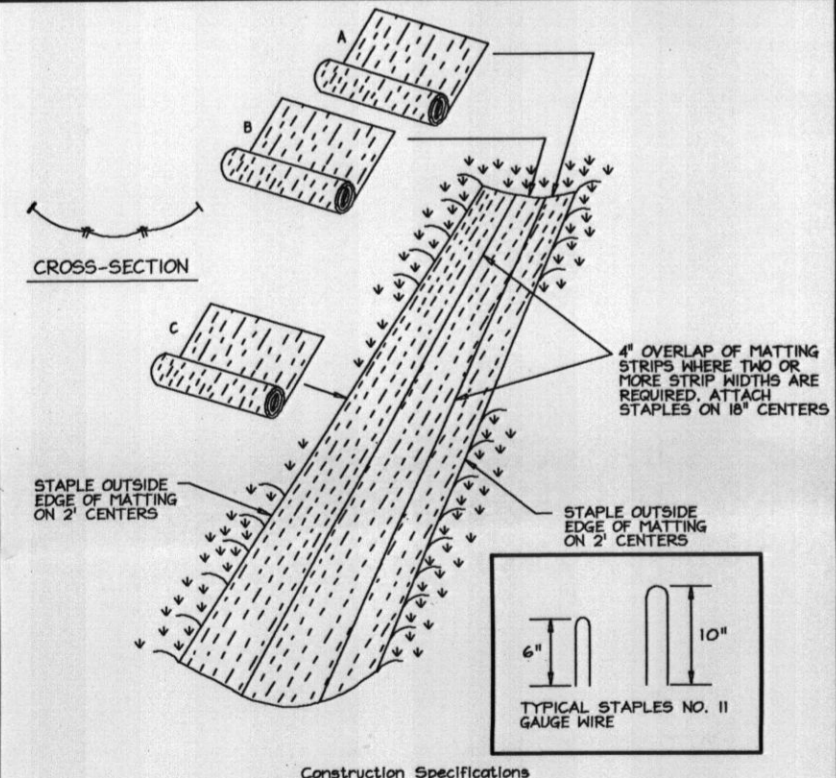
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DRAWN BY: CD
CHECKED BY: ZYF
SCALE: As Shown
DATE: Mar. 23, 2006
N.O. No.: 9299
SHEET No.: 1 OF 1

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: info@fsha.biz

PLAN VIEW

SCALE: 1" = 50'

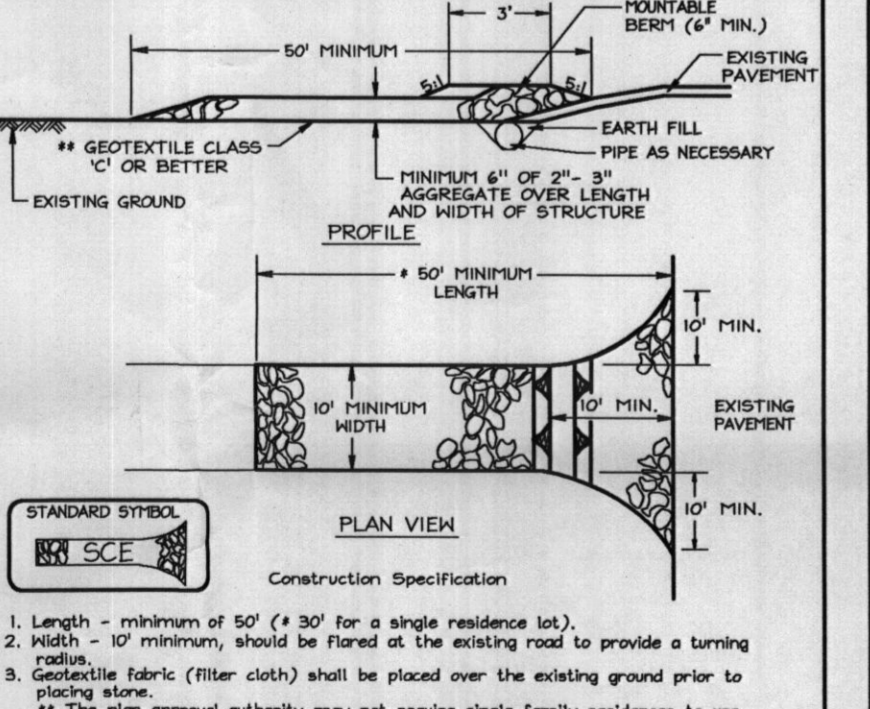
DETAIL 30 - EROSION CONTROL MATTING



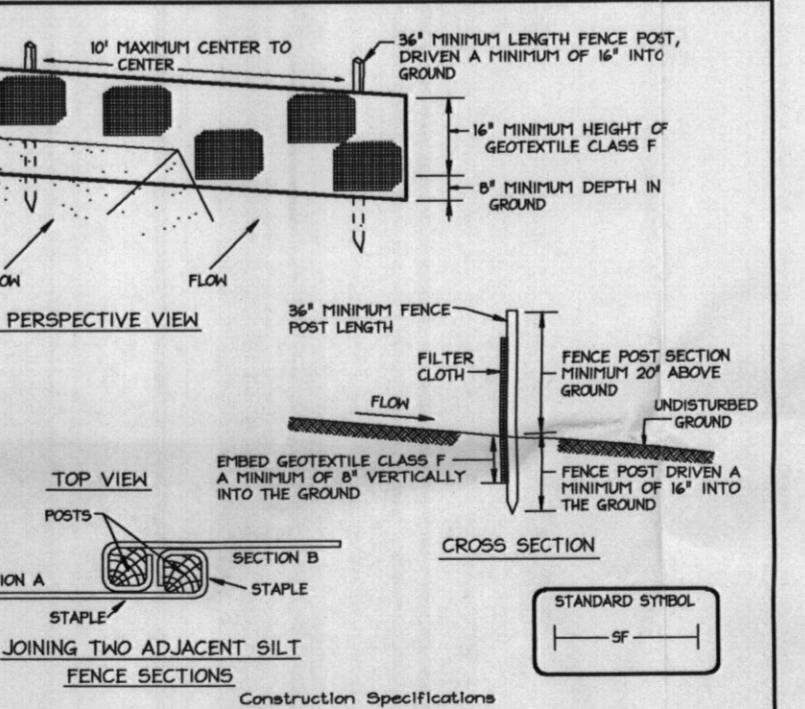
SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Co	Codorus silt loam	C
GI/C2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
MIC2	Manor loam, 8 to 15 percent slopes, moderately eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B
MIE	Manor loam, 25 to 45 percent slopes	B
MID2	Mt. Airy channely loam, 15 to 25 percent slopes, moderately eroded	B
MIE	Mt. Airy channely loam, 25 to 45 percent slopes	A

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



DETAIL 22 - SILT FENCE



REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEERS 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 ZACHARIA Y. FISCH 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 DATE

GENERAL NOTES

- Subject property zoned RC-DEO per 02/02/04 Comprehensive Zoning Plan.
- Total area of property = 7.060 ac. ±
- Private water and sewer will be used within this site.
- This area designates a private sewage easement, of at least 10,000 SF 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. Recordation of a modified sewage easement shall not be necessary.
- All wells & septic fields within 100' of property's boundary have been shown.
- Existing Topography based on Howard County Aerial maps flown in 1993.
- Number of proposed lots: 1
- Deed History:
July, 1987-Present: James B. Parker and Norene Parker
December, 1986-July, 1987: Earl H. and Bettie J. Heckman
December, 1964-December, 1986: Georgia Avenue Properties Inc.
May, 1959-December, 1964: E. Brooke Lee and Nina G. Lee
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
- The well on lot 50 to be drilled prior to submittal of record 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.

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Gc	Cadonur silt loam	C
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
MIC2	Minor loam, 8 to 15 percent slopes, moderately eroded	B
MID3	Minor loam, 15 to 25 percent slopes, severely eroded	B
MIE	Minor loam, 25 to 45 percent slopes	B
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	A
MIE	Mt. Airy channery loam, 25 to 45 percent slopes	A

MINIMUM LOT SIZE CHART			
LOT NUMBER	GROSS AREA (SF)	PIPESTEM AREA (SF)	MINIMUM LOT SIZE (SF)
41	147,096.03 ±	8,806.30 ±	138,289.74 ±
50	160,428.05 ±	21,183.62 ±	139,244.43 ±

STREET TREE LANDSCAPE SCHEDULE			
QUAN.	BOTANICAL NAME	SIZE	NOTE
8	Platanus x acerifolia, Shade Trees "Bloodgood" "London Plane"	2 1/2"-3" Cal.	B & B

BENCHMARKS

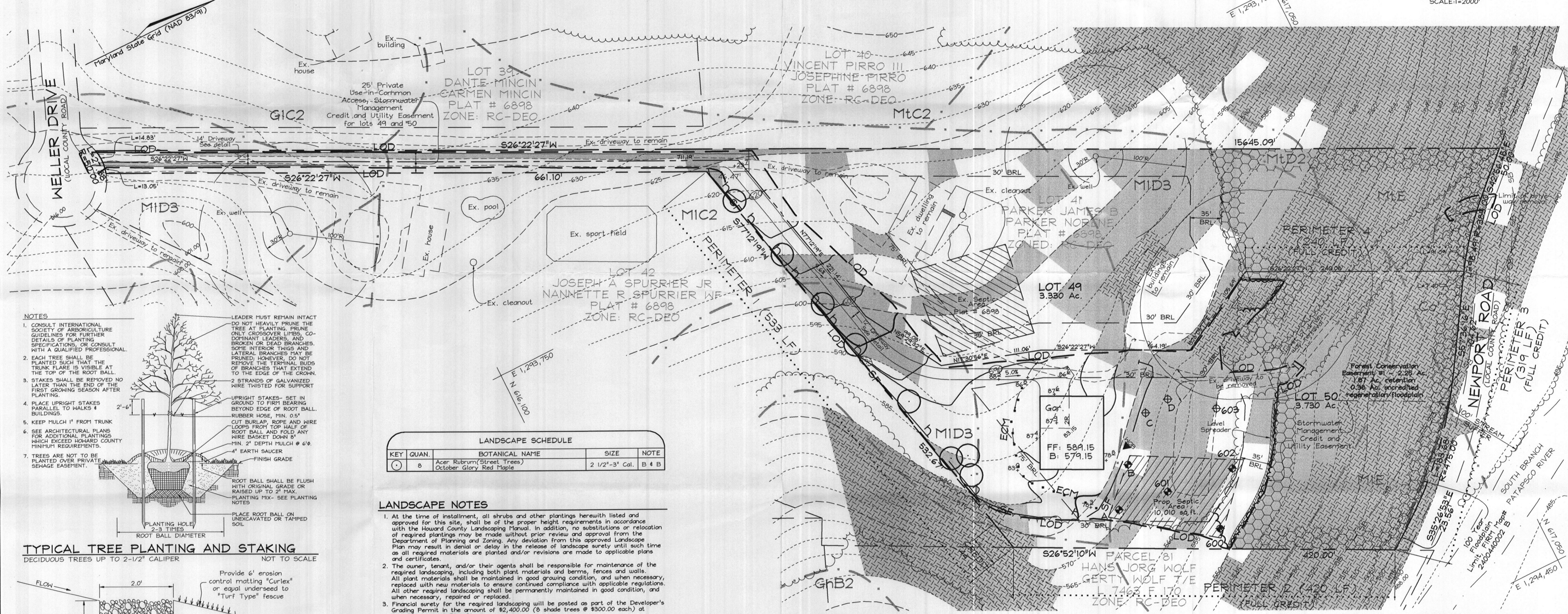
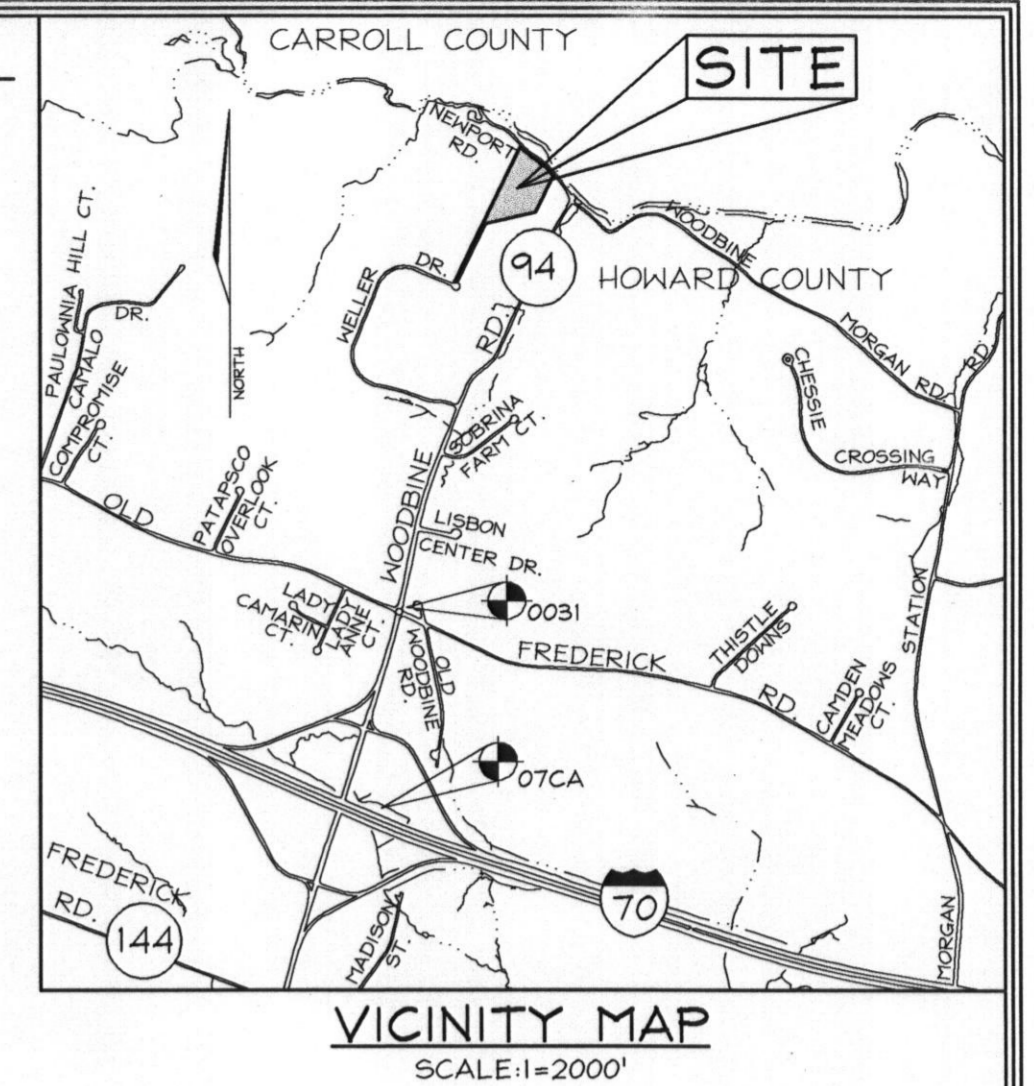
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	N 610,731.305	E 1,292,224.321	EI: 620.070 (feet)
Sta. 0031	N 186,662.3750	E 994,046.4440	EI: 192.92% (meters)
	N 612,408.142	E 1,292,800.708	EI: 632.970 (feet)

SCHEDULE A PERIMETER LANDSCAPE EDGE				
CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES		
		1	2	4
Perimeter/Frontage Designation	3	A	A	A
Linear Feet of Roadway	319	533	420	240
Frontage/Perimeter				
Credit for Existing Vegetation (Yes, No, Linear Feet)	Yes	Yes	Yes	Yes
Remaining Perimeter Length (489)	(0)	(0)	(0)	(0)
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No	No	No	No
Remaining Perimeter Length				
Number of Plants Required				
Shade Trees	1:50 0	1:60 8	1:60 0	1:60 0
Evergreen Trees	1:40 0	-	-	-
Shrubs	-	-	-	-
Number of Plants Provided				
Shade Trees	0	8	0	0
Evergreen Trees	0	-	-	-
Other Trees (2:1 Substitution)	-	-	-	-
Shrubs (10:1 Substitution)	-	-	-	-
(Describe Plant Substitution Credits Below if needed)				

* Existing woods to remain

LEGEND

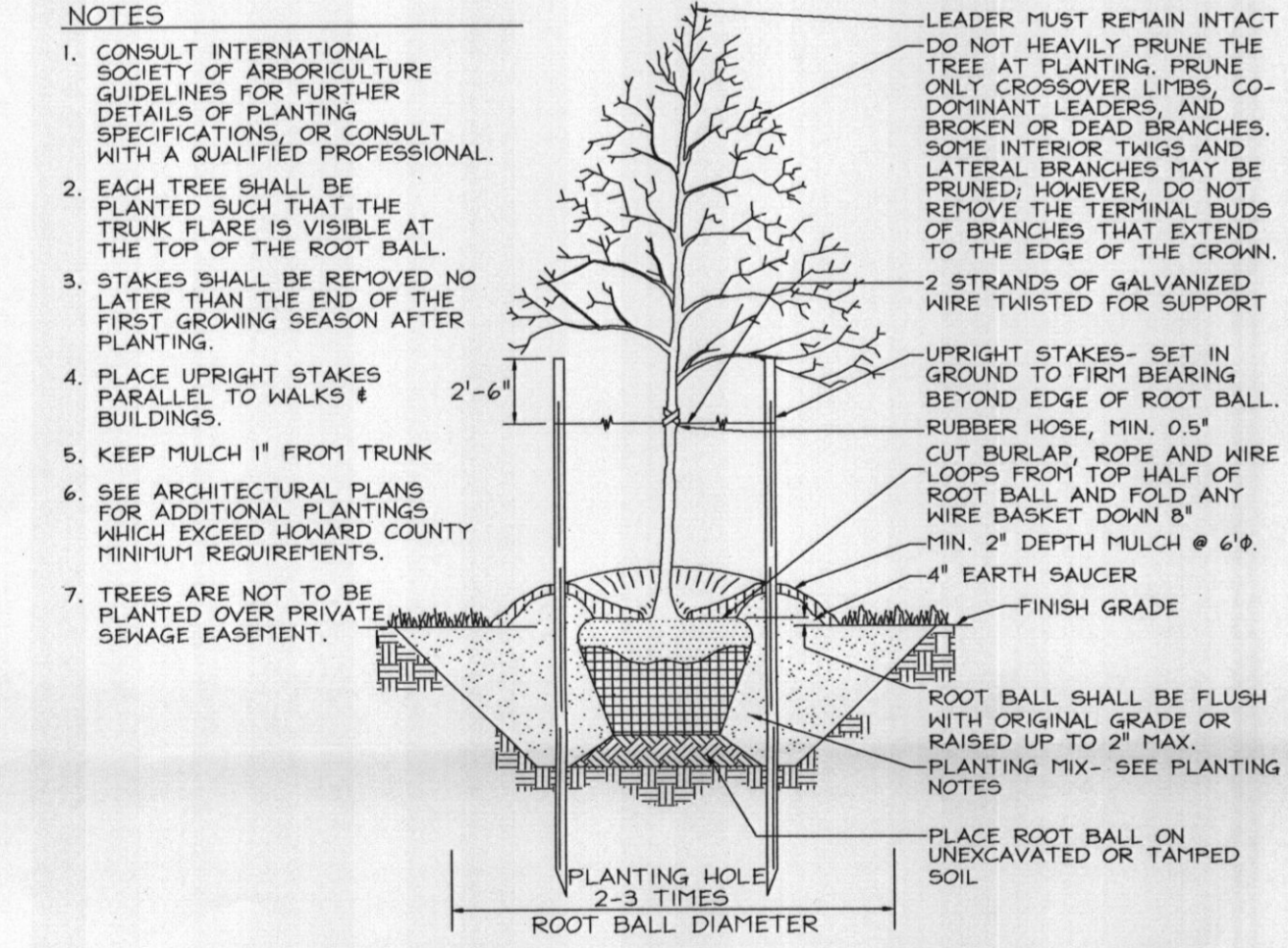
- Existing Contour
- Existing Spot Elevation
- Existing Trees to Remain
- Proposed Septic Easement
- Existing Septic Area
- Proposed House
- Steep Slopes (Less Than 24.9%)
- Steep Slopes (Greater Than 25%)
- Proposed Well Area
- Proposed Perc Test (passed)
- Proposed Perc Test (failed)
- Soil Boundary
- Additional Paving Along Pipestem



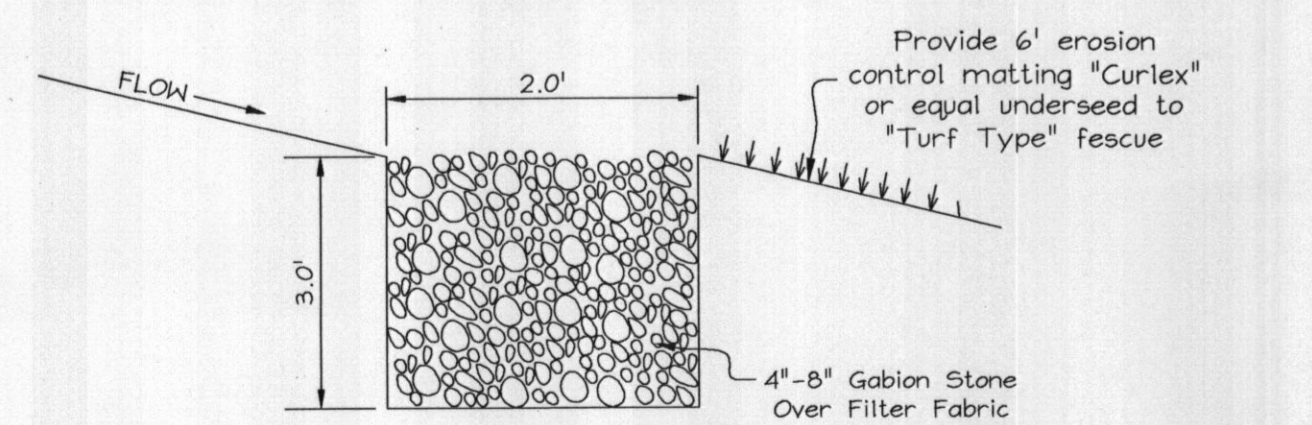
LANDSCAPE SCHEDULE			
KEY	QUAN.	BOTANICAL NAME	SIZE
(Symbol)	8	Acer Rubrum (Street Trees) October Glory Red Maple	2 1/2"-3" Cal. B & B

LANDSCAPE NOTES

- At the time of installation, 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 relocation 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.
- Financial surety for the required landscaping will be posted as part of the Developer's Grading Permit in the amount of \$2,400.00 (8 shade trees @ \$300.00 each) at Site Development Plan Stage.
- Perimeter landscaping other than in the Forest Conservation Easement shall be planted at the Site Development plan stage.



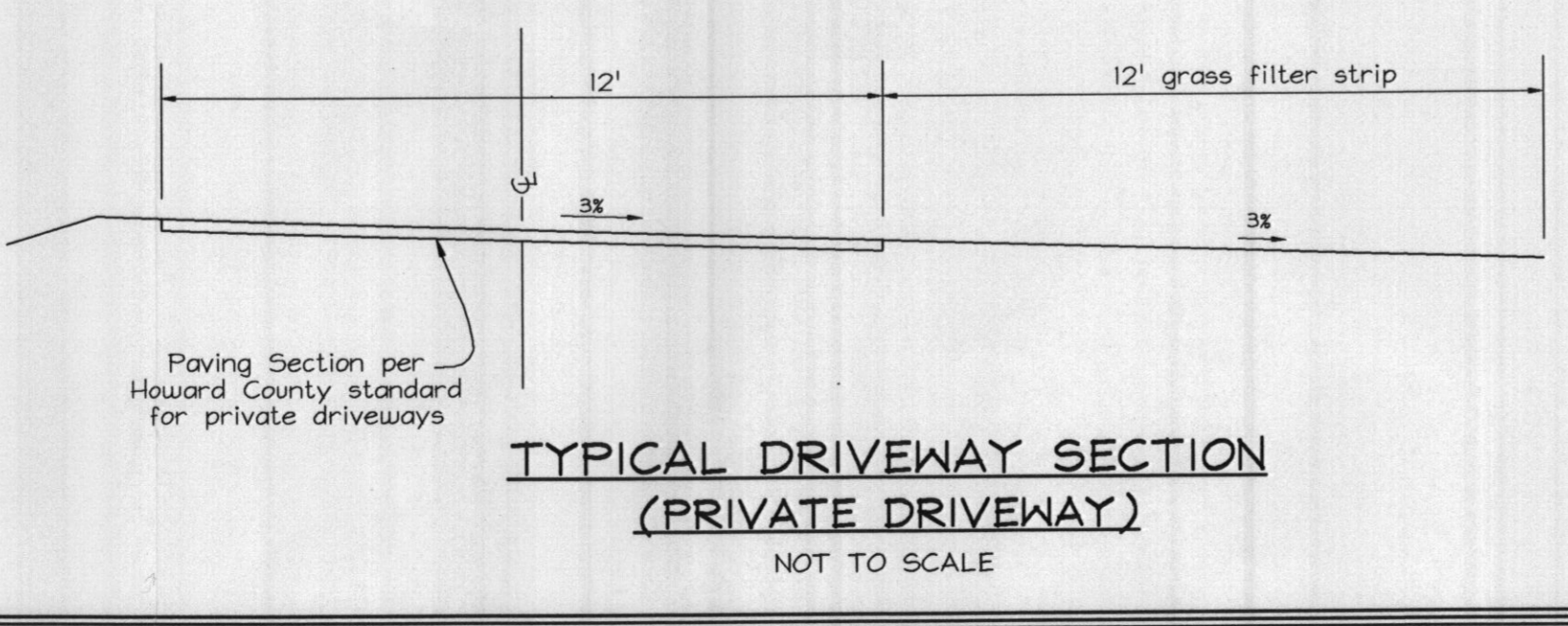
TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE



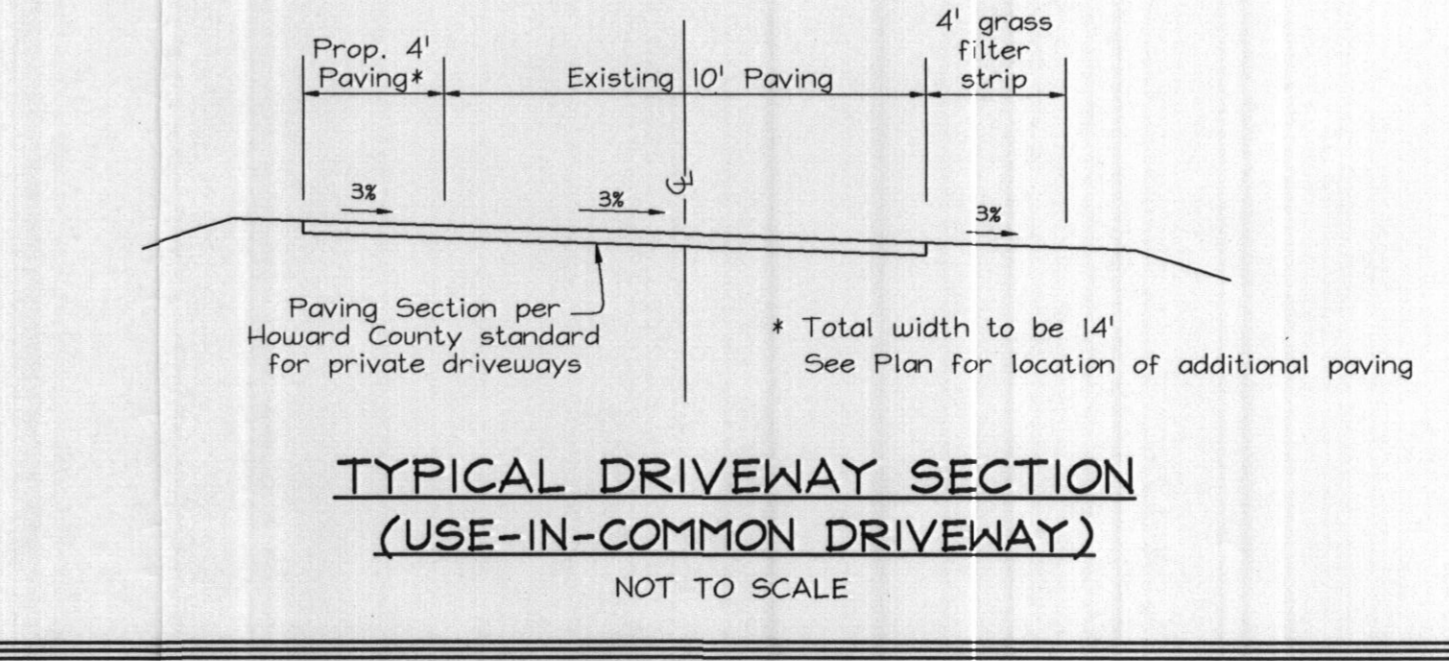
TYPICAL LEVEL SPREADER CROSS-SECTION
NOT TO SCALE

DEVELOPER'S BUILDER'S CERTIFICATE
I/WE 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/WE 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.

SIGNATURE OF DEVELOPER _____ DATE _____



TYPICAL DRIVEWAY SECTION (PRIVATE DRIVEWAY)
NOT TO SCALE



TYPICAL DRIVEWAY SECTION (USE-IN-COMMON DRIVEWAY)
NOT TO SCALE

SUPPLEMENTAL INFORMATION SHEET PATAPSCO OVERLOOK LOTS 49 AND 50

TAX MAP 2 GRID 18 4TH ELECTION DISTRICT PARCEL 227 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
James B. & Norene Parker
745 Weller Drive
Mount Airy, Maryland 21771-3442

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: info@fsha.biz

DESIGN BY: PS
DRAWN BY: HK
CHECKED BY: ZYF
DATE: July 26, 2005
W.O. No.: 3299
SHEET No.: 1 OF 1

GENERAL NOTES

- Subject property zoned RC-DEO per 02/02/04 Comprehensive Zoning Plan.
- Total area of property = 7.060 ac.±
- Private water and sewer will be used within this site.
- This area designates a private sewage easement, of at least 10,000 SF 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. Recordation of a modified sewage easement shall not be necessary.
- All wells & septic facilities within 100' of property's boundary have been shown.
- Existing Topography based on Howard County Aerial maps flown in 1993.
- Number of proposed lots: 1
- Deed History:
July, 1987-Present: James B. Parker and Norene Parker
December, 1986-July, 1987: Earl H. and Bettie J. Heckman
December, 1964-December, 1986: Georgia Avenue Properties Inc.
May, 1959-December, 1964: E. Brooke Lee and Nina G. Lee
- The lots shown hereon comply with the minimum ownership, width and lot area as required by the Maryland Department of the Environment.
- The well on lot 50 to be drilled prior to submittal of record 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.

SOILS LEGEND		
SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Gc	Codorus silt loam	C
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
MIC2	Minor loam, 8 to 15 percent slopes, moderately eroded	B
MID3	Minor loam, 15 to 25 percent slopes, severely eroded	B
MIE	Minor loam, 25 to 45 percent slopes	A
MID2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	B
MLE	Mt. Airy channery loam, 25 to 45 percent slopes	A

MINIMUM LOT SIZE CHART

LOT NUMBER	GROSS AREA (SF)	PIPESTEM AREA (SF)	MINIMUM LOT SIZE (SF)
49	147,095.03 ±	8,806.30 ±	136,288.74 ±
50	160,428.05 ±	21,183.62 ±	139,244.43 ±

STREET TREE LANDSCAPE SCHEDULE

QUAN.	BOTANICAL NAME	SIZE	NOTE
8	Platanus x acerifolia, Shade Trees Bloodgood London Plane	2 1/2"-3" Cal.	B # B

BENCHMARKS

Sta. 07CA	N 186,151.2743	E 943,870.7606	El.: 188.9477 (meters)
	N 610,731.305	E 1,242,224.321	El.: 620.070 (feet)
Sta. 0031	N 186,662.3750	E 944,046.4440	El.: 192.9246 (meters)
	N 612,408.142	E 1,242,800.708	El.: 632.970 (feet)

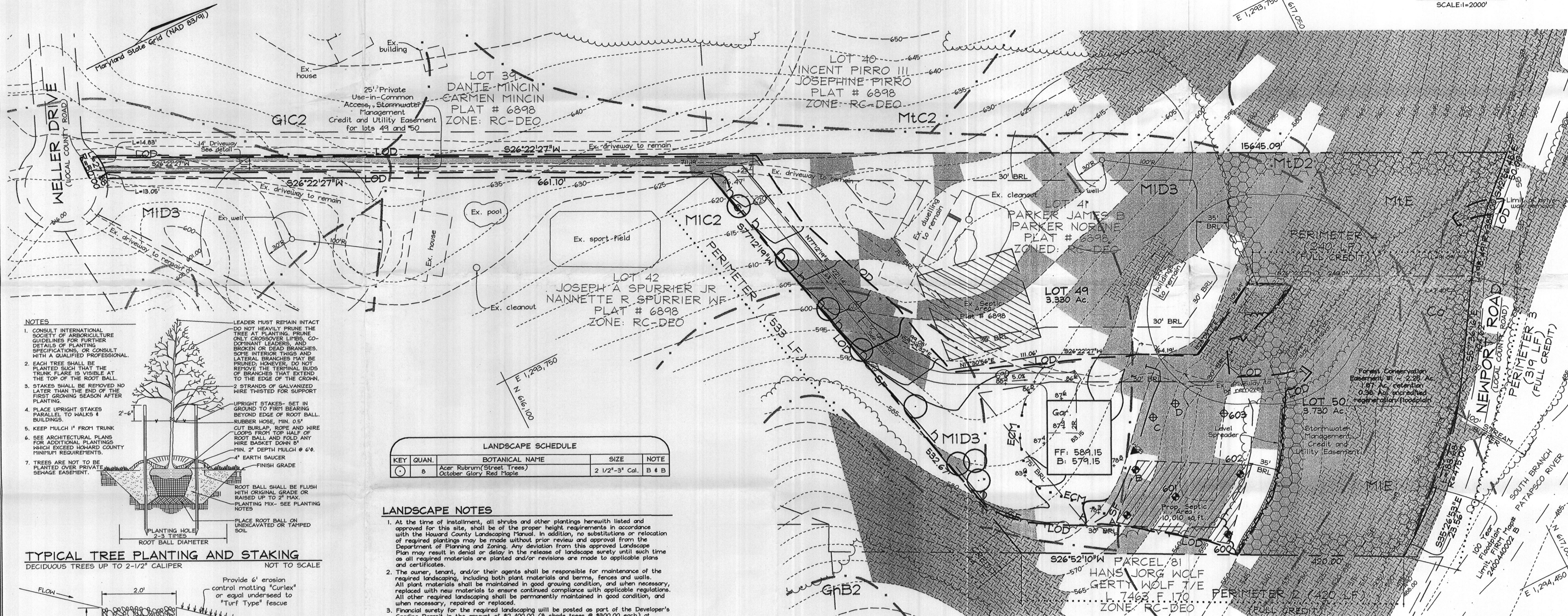
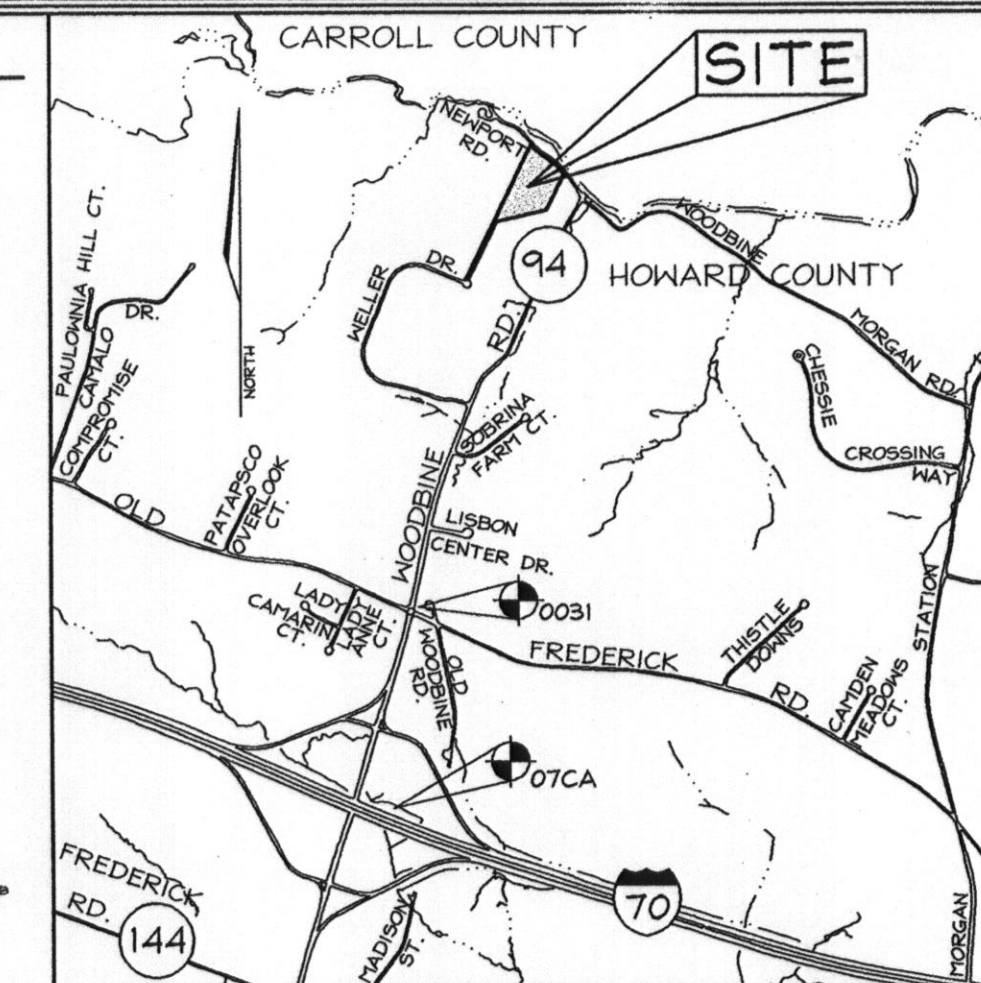
SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS		ADJACENT TO PERIMETER PROPERTIES	
	1	2	3	4
Perimeter/Frontage Designation	3	1	2	4
Landscape Type	B	A	A	A
Linear Feet of Roadway Frontage/Perimeter	319	533	420	240
Credit for Existing Vegetation (Yes, No, Linear Feet)	4319 (0)	44 (484)	4420 (0)	4240 (0)
Remaining Perimeter Length	No	No	No	No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet)	No	No	No	No
Remaining Perimeter Length	-	-	-	-
Number of Plants Required				
Shade Trees	150 0	160 8	160 0	160 0
Evergreen Trees	140 0	-	-	-
Shrubs	-	-	-	-
Number of Plants Provided				
Shade Trees	0	8	0	0
Evergreen Trees	-	-	-	-
Other Trees (2:1 Substitution)	-	-	-	-
Shrubs (10:1 Substitution)	-	-	-	-
(Describe Plant Substitution Credits Below if needed)				

* Existing woods to remain

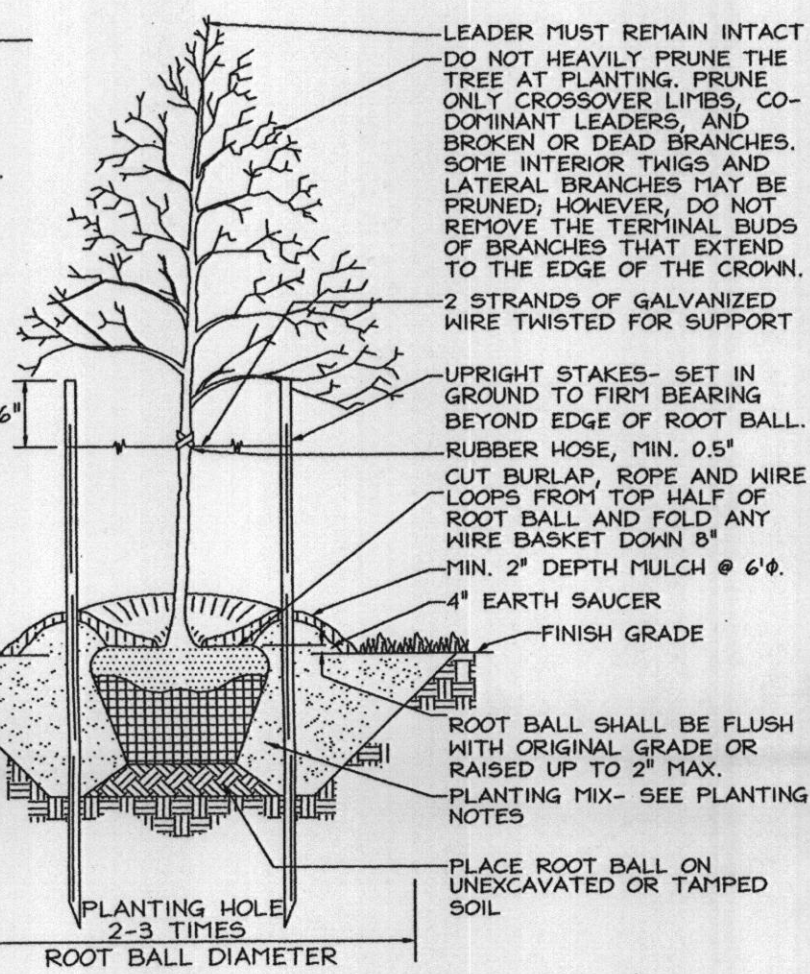
LEGEND

- Existing Contour
- Existing Spot Elevation
- Existing Trees to Remain
- Proposed Septic Easement
- Existing Septic Area
- Proposed House
- Steep Slopes (Less Than 24.9%)
- Steep Slopes (Greater Than 25%)
- Proposed Well Area
- Proposed Perc Test (passed)
- Proposed Perc Test (failed)
- Soil Boundary
- Additional Paving Along Pipestem



NOTES

- CONSULT INTERNATIONAL SOCIETY OF ARBORICULTURE GUIDELINES FOR FURTHER DETAILS OF PLANTING SPECIFICATIONS, OR CONSULT WITH A QUALIFIED PROFESSIONAL.
- EACH TREE SHALL BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL.
- STAKES SHALL BE REMOVED NO LATER THAN THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNK.
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.

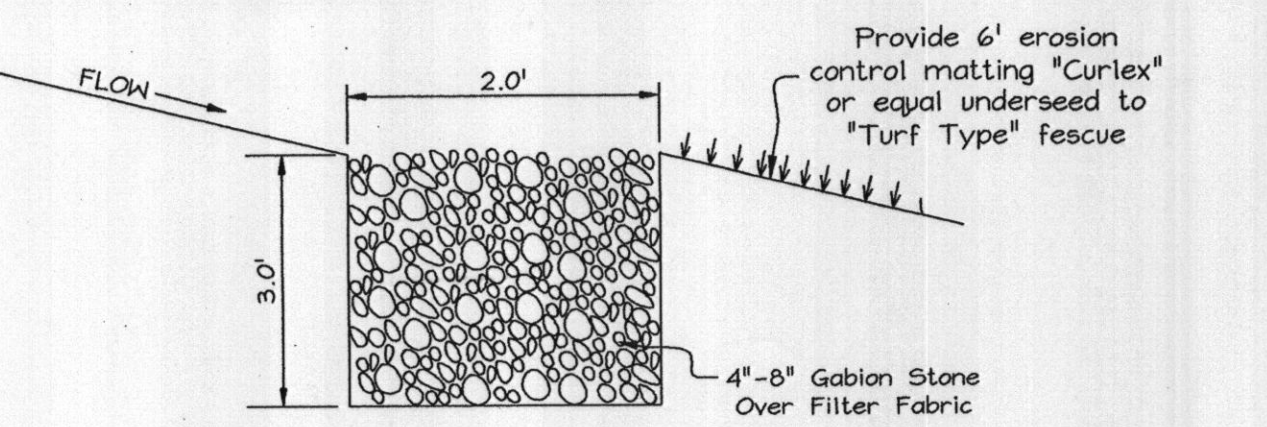


TYPICAL TREE PLANTING AND STAKING
DECIDUOUS TREES UP TO 2-1/2" CALIPER NOT TO SCALE

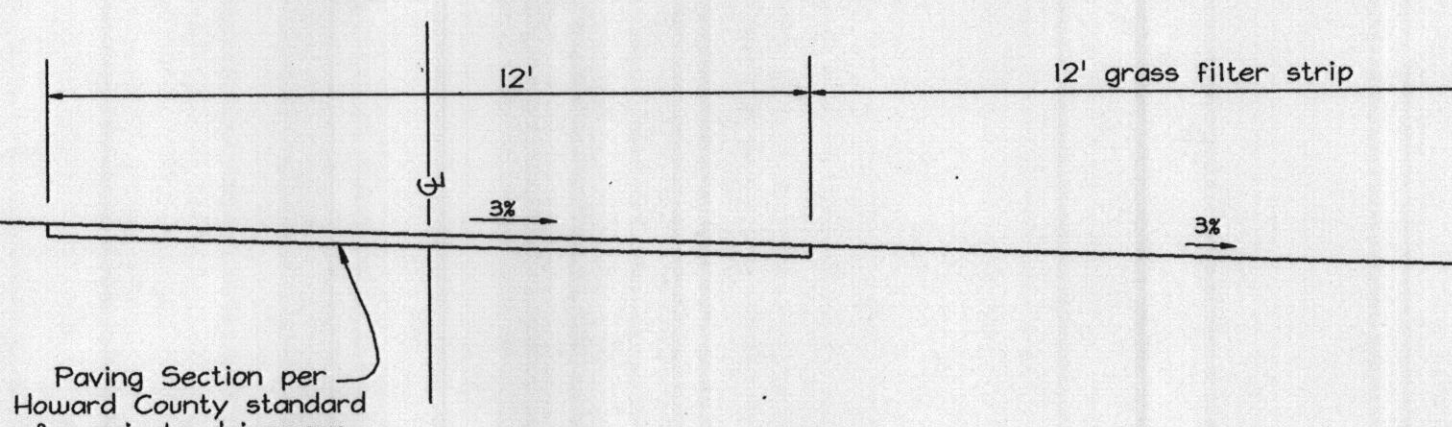
LANDSCAPE SCHEDULE			
KEY	QUAN.	BOTANICAL NAME	NOTE
8	8	Acer Rubrum (Street Trees) October Glory Red Maple	2 1/2"-3" Cal. B # B

LANDSCAPE NOTES

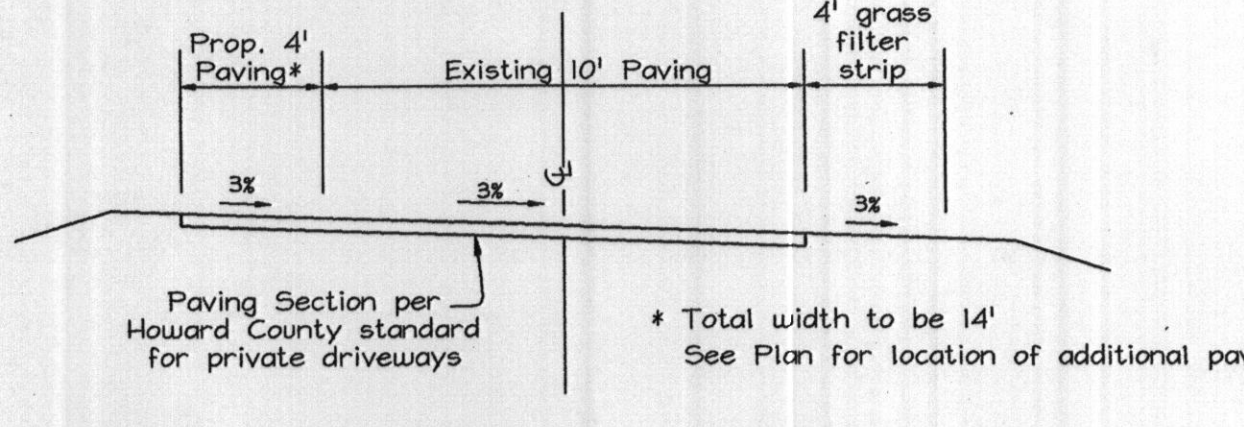
- At the time of installment, all shrubs and other plantings herewith listed and approved for this site, shall be of the proper height requirements in accordance with the Howard County Landscaping Manual. In addition, no substitutions or relocation of required plantings may be made without prior review 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.
- Financial surety for the required landscaping will be posted as part of the Developer's Grading Permit in the amount of \$2,400.00 (8 shade trees @ \$300.00 each) at Site Development Plan Stage.
- Perimeter landscaping other than in the Forest Conservation Easement shall be planted at the Site Development plan stage.



TYPICAL LEVEL SPREADER CROSS-SECTION
NOT TO SCALE



TYPICAL DRIVEWAY SECTION (PRIVATE DRIVEWAY)
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4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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E-mail: info@fsha.biz

DESIGN BY: PS
DRAWN BY: HK
CHECKED BY: JTF
SCALE: 1"=50'
DATE: July 26, 2008
H.O. No.: 3299
SHEET No.: 1 OF 1