APPROVED DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 8/9/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 8/9/07

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	Adjacent to Internal Property	Adjacent to Internal Property
LANDSCAPE TYPE	A	B
LINEAR FEET OF PERIMETER	P1. 370.41 L.F.	P2. 306.13 L.F.
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE IF NEEDED)	NO	HOUSE FRONTS ROAD ON LOT 1 NO TREES REQ'D. FOR 110.13 L.F.
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	370.41 ÷ 60 = 6.17	250 ÷ 50 = 5 250 ÷ 40 = 6
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION)	- - 14	5 6
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	EVERGREEN FOR SHADE AT 2:1	-

SCHEDULE D STORMWATER MANAGEMENT AREA LANDSCAPING

LINEAR FEET OF PERIMETER	D1: 169.00'	D2: 144.24'
NUMBER OF TREES REQUIRED: SHADE TREES EVERGREEN TREES	4 4	3 4
CREDIT FOR EXISTING VEGETATION (NO, YES AND X)	NO	NO
CREDIT FOR OTHER LANDSCAPING (NO, YES AND X)	NO	NO
NUMBER OF TREES PROVIDED: SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION)	4 4 ------	3 4 ------

"THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL." FINANCIAL SURETY FOR THE 40 REQUIRED LANDSCAPE TREES WILL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF $7,600.00.

"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 LANDSCAPE 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."

LANDSCAPING PLANT LIST

QTY.	KEY	NAME	SIZE
12		ACER RUBRUM 'OCTOBER GLORY' (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B
22		PINUS STROBUS EASTERN WHITE PINE	6' - 8' HT.
6		CUPPRESSOCYPANIS LEYLANDI LEYLAND CYPRESS	5' - 6' HT.

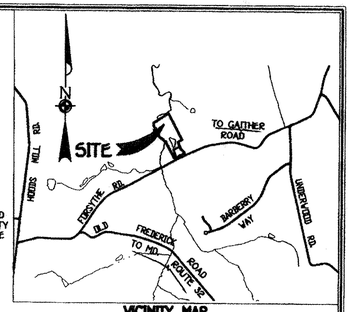
DEVELOPER'S / BUILDER'S CERTIFICATE

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 CERTIFICATION OF LANDSCAPE INSTALLATION ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

NAME Gerald N. Ricker	DATE 11/25/02

PLANTING NOTE:

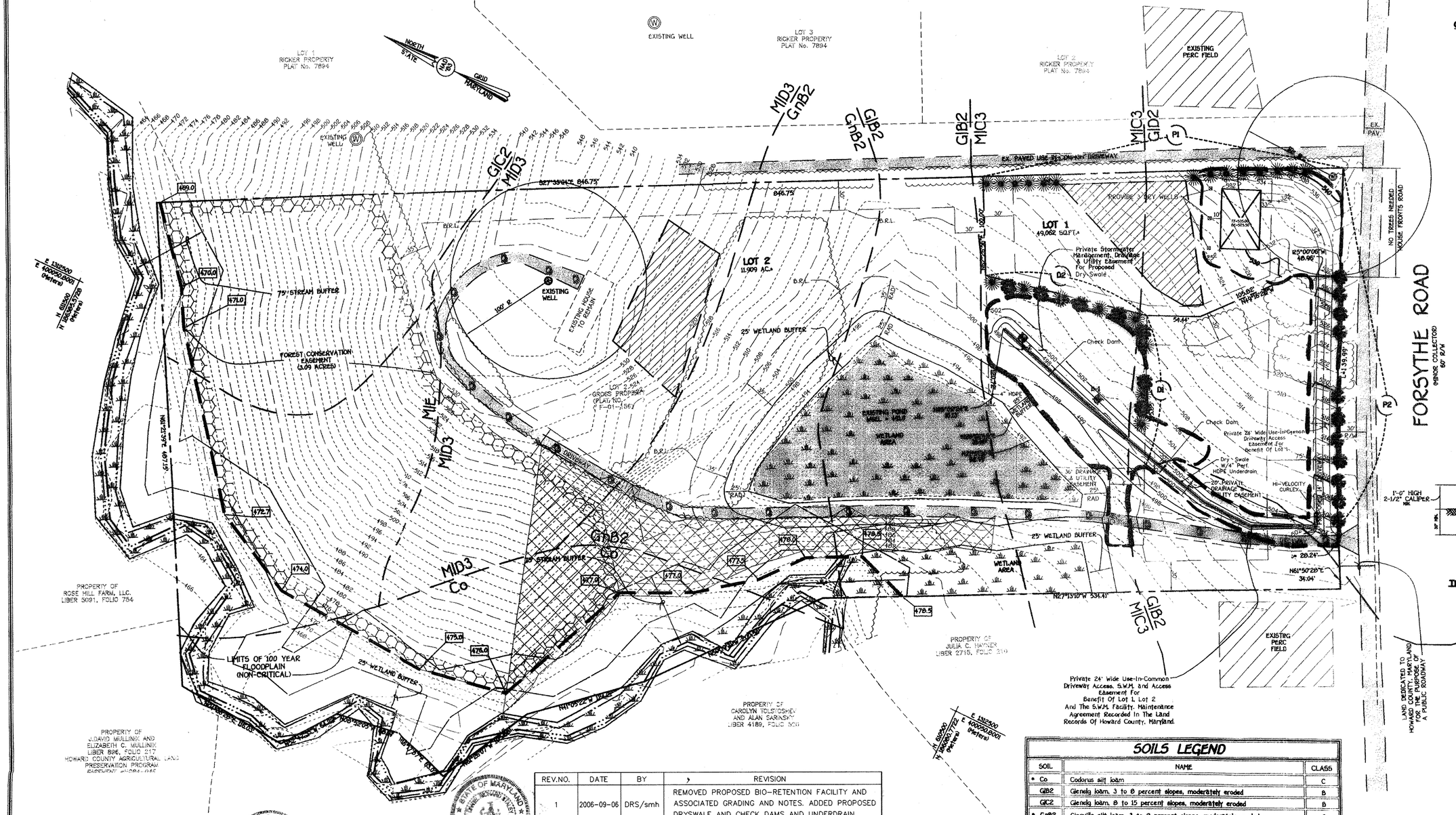
AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVED 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.

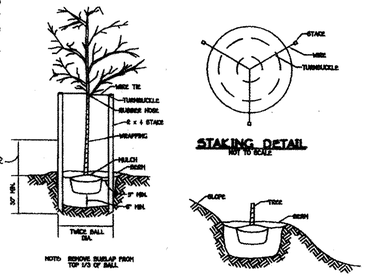


VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES:

1. Subject Property Zoned RC-DEO.
2. Property Information:
   Tax Map No. = 9
   Tax Parcel No. = 69
   Grid No. = 1
   Gross Area = 13.354 Ac. ±
   Recording Data = Liber 624, Folio 671.
   Election District = Second
3. Property Will Be Served By Private Water And Sewer.
4. Subdivision Data:
   Proposed No. Of Buildable Lots = 2
   Proposed No. Of Open Space Lots = 0
   Area Of Buildable Lots = 13.035 Ac.±
   Area Of Roadway Dedication = 0.319 Ac.±
   Total Area To Be Recorded = 13.354 Ac.±
5. Contour Information Is Based On Electronic Howard County Aerial Topographic Sheets.
6. Indicates Existing Paving.
7. Indicates Existing Gravel Driveway.
8. Denotes Proposed Dwelling.
9. Denotes Private Sewerage Easement Of 10,000 Square Feet As Required By Maryland Department Of The Environment For Individual Sewage Disposal.
10. Indicates Forest Conservation Easement.
11. The Establishment Of A Preservation Parcel To Support The Creation Of Lot 1 Will Be Deferred Until The Residue (Lot 2) Is Resubdivided.
12. The Existing Wet Pond On Lot 2 Is Spring Fed The Soorce Of Which Is At The Pond. There Are No Stream / Wetland And Areas Upstream Of This Pond.





LEGEND

DENOTES SLOPES 25% OR GREATER

SOILS LEGEND

SOIL	NAME	CLASS
* Co	Codorus silt loam	C
GIB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GIC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
* GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MIC3	Manor loam, 8 to 15 percent slopes, severely eroded	B
MID3	Manor loam, 15 to 25 percent slopes, severely eroded	B
GID2	Glenelg loam, 15 to 25 percent slopes, moderately eroded	B

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

REV.NO.	DATE	BY	REVISION
1	2006-09-06	DRS/smh	REMOVED PROPOSED BIO-RETENTION FACILITY AND ASSOCIATED GRADING AND NOTES. ADDED PROPOSED DRYSWALE AND CHECK DAMS AND UNDERDRAIN
PURPOSE: TO REPLACE THE PREVIOUSLY APPROVED BIO-RETENTION FACILITY WITH A DRYSWALE WITH CHECK DAMS AND UNDERDRAIN.			

STATE OF MARYLAND DAVID MICHAEL VOTEUR No. 8072 REGISTERED PROFESSIONAL ENGINEER 11-21-02

STATE OF MARYLAND DAVID R. SCHNEIDER No. 21382 REGISTERED PROFESSIONAL LAND SURVEYOR

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

D.R.S. & ASSOCIATES
LAND DESIGN CONSULTANTS
52 WINTERS STREET
WESTMINSTER, MARYLAND 21157
410-848-4060 410-876-6040
FAX 410-876-7603

OWNER
ANGUS ROY GROSS AND ADRIENNE R. GROSS
13920 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784-5813

DEVELOPER
DAN RICKER
13098 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784

REVISED
Supplemental Plan - Grading, Landscape, Topography, And Soils
GROSS PROPERTY
LOTS 1 AND 2

ZONED: RC-DEO
TAX MAP No. 9 GRID No. 1 PARCEL No. 69
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

0' 50' 100' 150'

Scale: 1" = 50'
DATE: NOVEMBER 18, 2002
SHEET 1 OF 4

DR-MAJ

F 01-156

F-01-156

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SOILS LEGEND

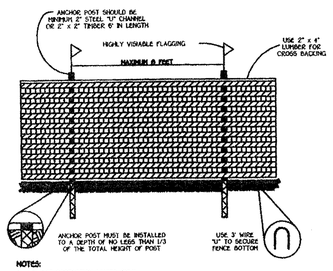
SOIL	NAME	CLASS
* Co	Codorus silt loam	C
GlB2	Glenelg loam, 3 to 8 percent slopes, moderately eroded	B
GlC2	Glenelg loam, 8 to 15 percent slopes, moderately eroded	B
* GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MlC3	Manor loam, 8 to 15 percent slopes, severely eroded	B
MlD3	Manor loam, 15 to 25 percent slopes, severely eroded	B
GlD2	Glenelg loam, 15 to 25 percent slopes, moderately eroded	B

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

REV.NO.	DATE	BY	REVISION
1	2006-09-06	DRS/smh	REVISED STORMATER MANAGEMENT AND DRAINAGE UTILITY EASEMENT NOTE.

PURPOSE: TO REPLACE THE PREVIOUSLY APPROVED BIO-RETENTION FACILITY WITH A DRYSWALE WITH CHECK DAMS AND UNDERDRAIN.

BLAZE ORANGE PLASTIC MESH



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

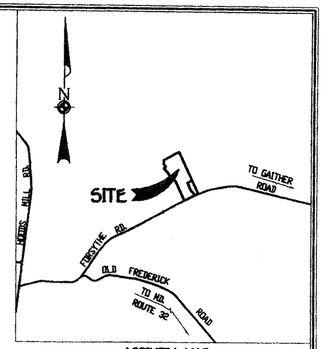
TREE PROTECTION DETAIL
NOT TO SCALE

NORTH STATE PLANE GRID MARYLAND

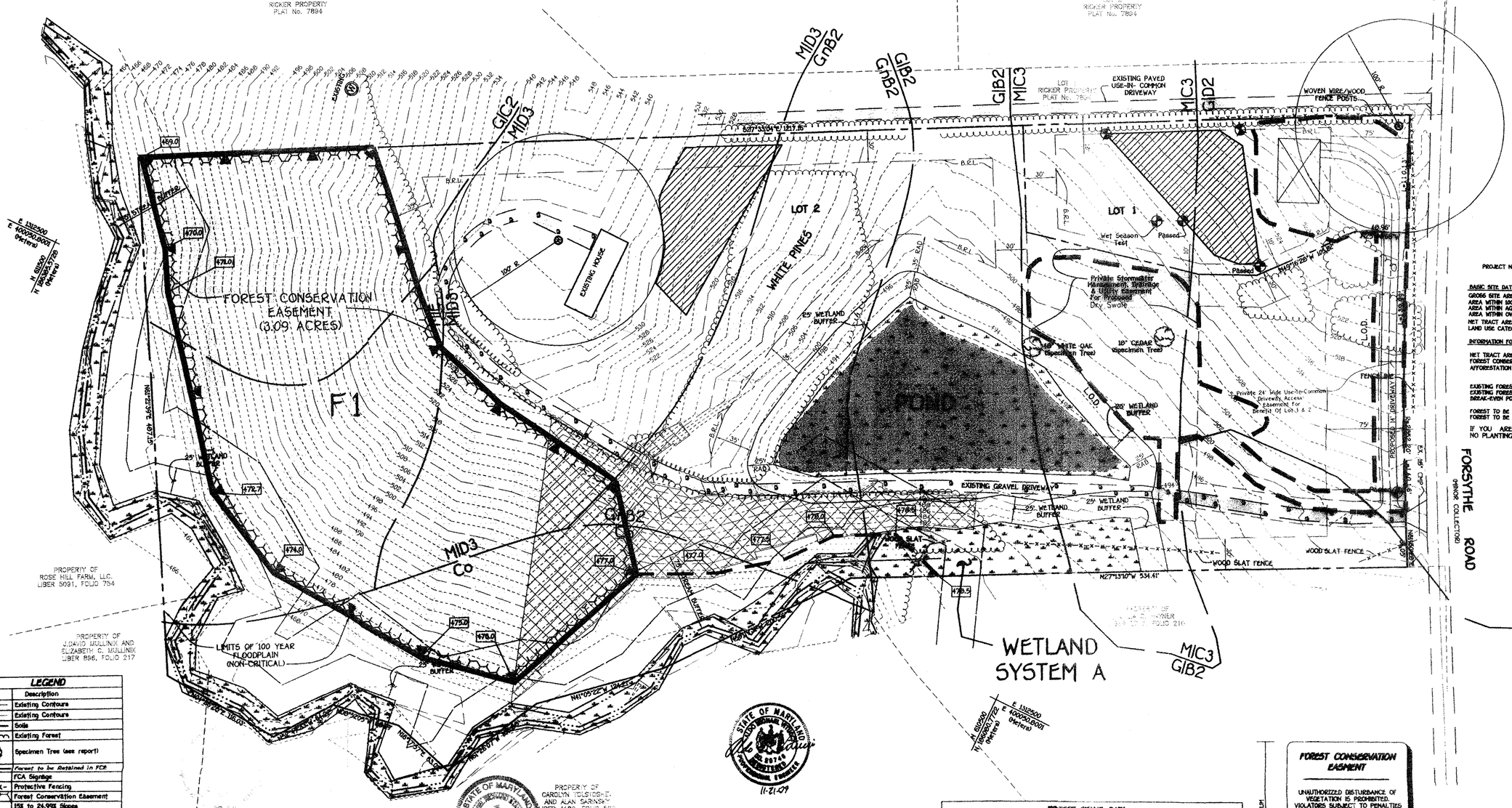
WETLAND DATA			
KEY	COMMUNITY TYPE	DOMINANT VEGETATION	PRIORITY ACREAGE
A	PUB3H	JUNCUS EFFUSUS, TYPHA LATIFOLIA, SCIRPUS CYPERINUS	1.0 +/-
	PEM1A	BOEHMERIA CYLINDRICA, LUDWIGIA ALTERNEFOLIA, SALIX NIGRA, SAMBUCAS CANADENSIS, CYPERUS STRIGOSUS,	
	R3UB1	JUNCUS EFFUSUS, FESTUCA PRATENSE, CORNUS AMOMUM	

FCP NOTES

1. ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
2. FORESTED AREAS OCCURRING OUTSIDE OF THE FCE SHALL NOT BE CONSIDERED PART OF THE FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS.
3. LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
4. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ.
5. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS FOREST CONSERVATION EASEMENTS.
6. TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE BOUNDARIES WHICH OCCUR WITHIN 15 FEET OF THE PROPOSED LIMITS OF DISTURBANCE.
7. PERMANENT SIGNAGE SHALL BE PLACED 50 - 100' APART ALONG THE BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS.
8. FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL HAVE BEEN MET BY THE PLACEMENT OF 3.09 ACRES OF FOREST RETENTION INTO AN EASEMENT AREA.



VICINITY MAP
SCALE: 1"=2000'



GENERAL NOTES:

1. Subject Property Zoned RC-DEO.
2. Property Information:
   Tax Map No. = 9
   Tax Parcel No. = 69
   Grid No. = 1
   Gross Area = 13.354 Ac.
   Recording Data = Liber 624, Folio 671.
   Election District = Fourth
3. Property Will Be Served By Private Water And Sewer.
4. Existing Dwelling On Lot 2 Is To Remain.
5. ⊠ Denotes Proposed Dwelling.
6. Non - Critical 100 Year Floodplain Report Was Prepared By Fisher, Collins & Carter, Inc. February, 2001

FSD NOTES:

1. NO RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON THE PROPERTY.
2. SURROUNDING LAND USE IS LOW DENSITY RESIDENTIAL DEVELOPMENT.

FOREST CONSERVATION WORKSHEET

PROJECT NAME: GROSS PROPERTY — Lots 1 & 2 — DATE: 3/19/01

BASIC SITE DATA

GROSS SITE AREA:	13.35	ACRES
AREA WITHIN 100 YEAR FLOODPLAIN	1.89	
AREA WITHIN AGRICULTRAL USE OR PRESERVATION PARCEL	-	
AREA WITHIN OVERHEAD TRANSMISSION LINES	-	
NET TRACT AREA (NTA)	11.46	
LAND USE CATEGORY: RC-DEO		

INFORMATION FOR CALCULATIONS

NET TRACT AREA (NTA)	11.46	
FOREST CONSERVATION THRESHOLD (25% x NTA)	2.87	
AFFORESTATION THRESHOLD (20% x NTA)	2.29	
EXISTING FOREST ON NTA	3.5	
EXISTING FOREST ABOVE CONSERVATION THRESHOLD	0.6	
BREAK-EVEN POINT (if applicable)	0.0	
FOREST TO BE CLEARED	-0-	
FOREST TO BE RETAINED	3.09	

IF YOU ARE RETAINING FOREST AT OR ABOVE THE BREAK EVEN POINT, NO PLANTING IS REQUIRED.

SITE DATA

GROSS AREA:	13.4 ACRES
100 YR. FLOODPLAIN:	1.9 ACRES
NET TRACT AREA:	11.5 ACRES
EXISTING FOREST:	3.5 ACRES
AFFORESTTATION THRESHOLD:	2.3 ACRES
CONSERVATION THRESHOLD:	2.9 ACRES
BREAK-EVEN POINT:	3.0 ACRES
PROPOSED FCE:	3.09 ACRES

LEGEND

Symbol	Description
—475—	Existing Contours
—470—	Existing Contours
	Soils
	Existing Forest
	Specimen Tree (see report)
	Forest to be Retained in FCE
▲	FCA Signage
-X — X-	Protective Fencing
	Forest Conservation Easement
	15% to 24.99% Slopes
	25% or Greater Slopes

STATE OF MARYLAND — DAVID R. SLOCUM — No. 10713 — PROFESSIONAL ENGINEER — 11-21-07

FOREST STAND DATA					
KEY	COMMUNITY TYPE	ACREAGE	DOMINANT VEGETATION	GENERAL CONDITION	PRIORITY ACREAGE
F1	POPLAR	3.09	LIRIODONDRON TULIPFERA, PENSYLVANICA, ACER RUBRUM QUERUS ALBA, LINERA BAZON	GOOD	3.09

SEE ACCOMPANYING REPORT FOR COMPLETE STAND DESCRIPTIONS

15" MINIMUM

FOREST CONSERVATION EASEMENT

UNAUTHORIZED DISTURBANCE OF VEGETATION IS PROHIBITED. VIOLATORS SUBJECT TO PENALTIES UNDER THE HOWARD COUNTY FOREST CONSERVATION ACT OF 1992.

TREES FOR YOUR FUTURE

11" MINIMUM

APPROVED DEPARTMENT OF PLANNING AND ZONING

Kent Sheubrooks / for CH — CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 3/9/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 3/9/07

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

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS

MD DNR Qualified Professional
USACOE Wetland Delineator Certification # WDCP93MD0810046
JOHN P. CANOLES

D.R.S. & ASSOCIATES
LAND DESIGN CONSULTANTS
52 WINTERS STREET
WESTMINSTER, MARYLAND 21157
410-848-4060 410-876-6040
FAX 410-876-7603

30713 Base Plan.dwg

REVISED
Wetland Delineation, Forest Stand Delineation & Forest Conservation Plan
GROSS PROPERTY
LOTS 1 And 2

TAX MAP No. 9 GRID 1 PARCEL No. 69
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

0' 50' 100' 150'
Scale: 1" = 50'

DATE: NOVEMBER 18, 2002
SHEET 2 OF 4

F 01 - 156

F-01-156

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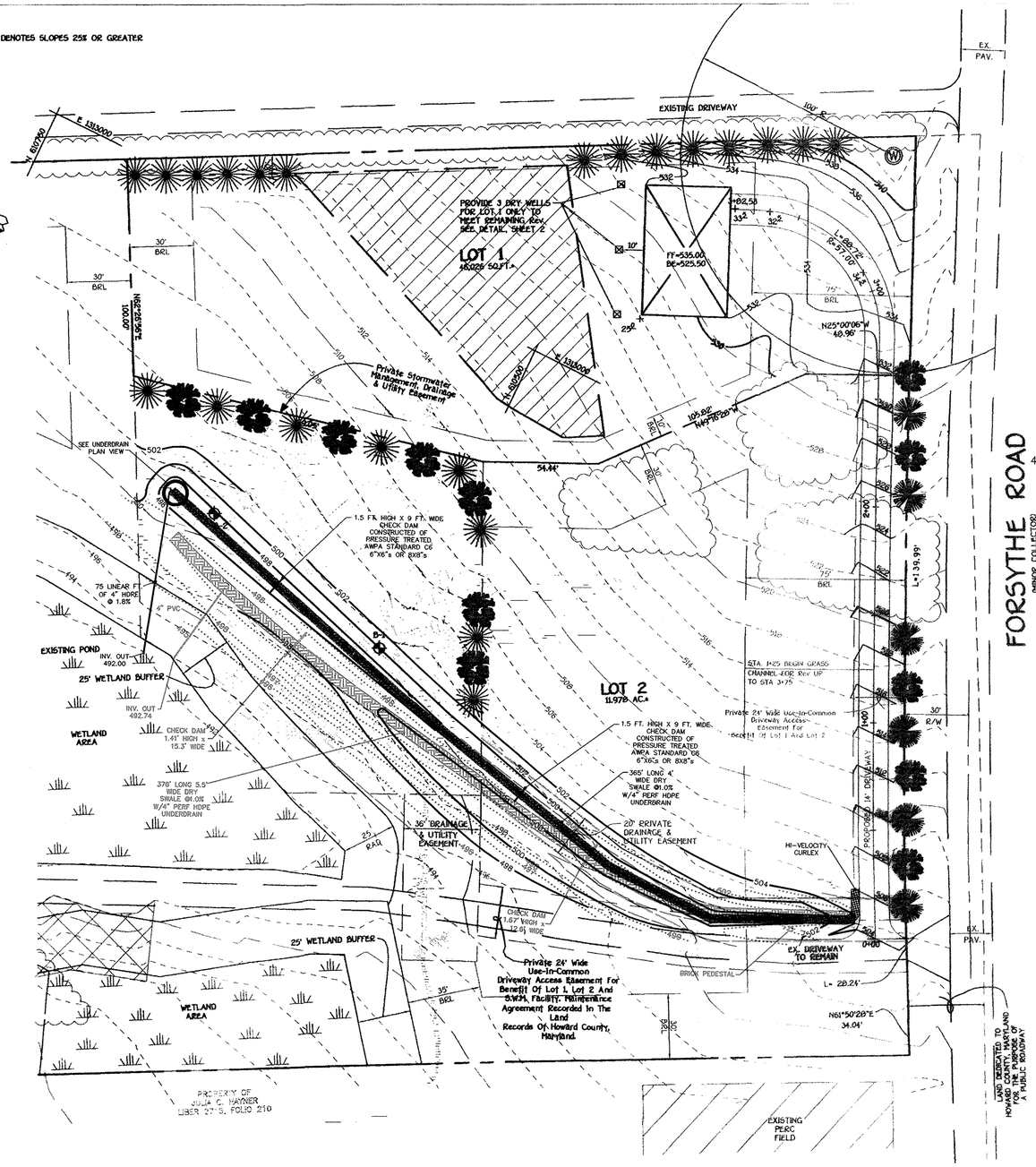
APPROVED DEPARTMENT OF PLANNING AND ZONING

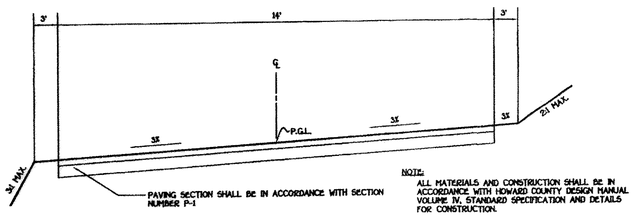
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION — DATE

DENOTES SLOPES 25% OR GREATER

NORTH STATE MARYLAND (NAD 83)



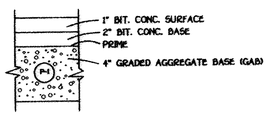


NOTE:
ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.

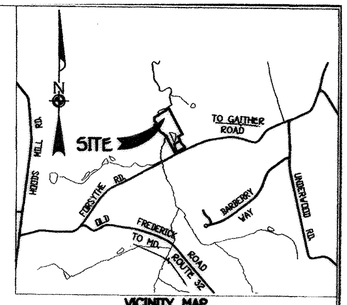
TYPICAL RESIDENTIAL DRIVEWAY
NO SCALE

DRIVEWAY INFORMATION CHART

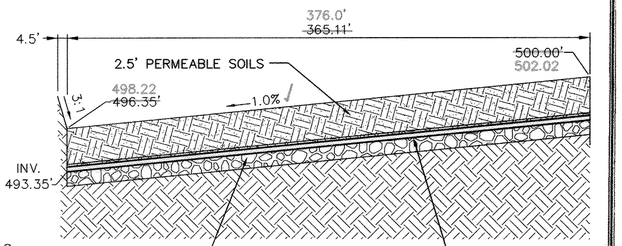
ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	℄ STATION LIMITS	PAVING SECTION
DRIVEWAY	PRIVATE DRIVEWAY	15 M.P.H.	RC-DEO	0+00 TO 3+85.10	P-1



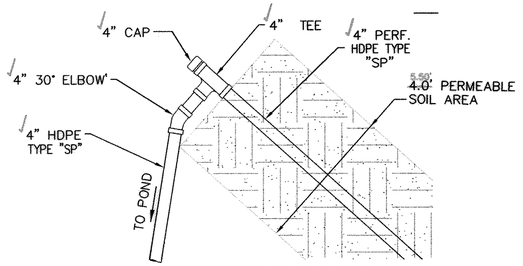
P-1 PAVING SECTION FOR DRIVEWAY
NO SCALE



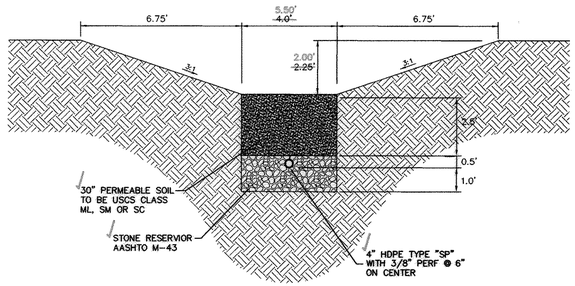
VICINITY MAP
SCALE: 1"=2000'



DRY SWALE PROFILE
SCALE: HOR. 1"=50' VER. 1"=5'



UNDERDRAIN PLAN VIEW
SCALE: 1"=2'



DRY SWALE CROSS SECTION
SCALE: 1"=3'

REV.NO.	DATE	BY	REVISION
1	2006-09-06	DRS/smh	REMOVED PROPOSED BIO-RETENTION FACILITY AND ASSOCIATED GRADING, NOTES AND DETAILS. ADDED DRYSWALE, CHECK DAMS, UNDERDRAIN, PROFILE AND CROSS SECTION.
2	2010-03-16	DRS/jfs	UPDATE WITH AS-BUILT INFORMATION
3	2010-06-23	DRS/smh	UPDATED AS-BUILT INFORMATION PER FIELD REVISIONS
4	2010-08-30	DRS/smh	UPDATED AS-BUILT INFORMATION PER FIELD REVISIONS
5	2013-04-11	DRS/jfs	UPDATED AS-BUILT INFORMATION PER FIELD REVISIONS

PURPOSE: TO REPLACE THE PREVIOUSLY APPROVED BIO-RETENTION FACILITY WITH A DRYSWALE WITH CHECK DAMS AND UNDERDRAIN.

D.R.S. & ASSOCIATES
LAND DESIGN CONSULTANTS
52 WINTERS STREET
WESTMINSTER, MARYLAND 21157
410-848-4060 410-876-6040
FAX 410-876-7603

STATE OF MARYLAND — DONALD R. SELBY — No. 10735 — REGISTERED PROFESSIONAL ENGINEER
11-21-02

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

FCC NO72CVGE056-LOTS 1&2/DRIVEWAY & SWM PLAN REVISED OCT. 2002

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As Built Certification

I hereby certify that in accordance with Section 5.4.2.B.3, Volume I and Section 1100.03, Volume IV of the Design Manual, the facility shown on Revised Final S.W.M./Driveway Construction Plan Gross Property was constructed to the lines shown in red marked as built.

Signed — Date 2013-05-27

License No.: 10735 — Expiration Date: 2014-01-18

STATE OF MARYLAND — DONALD RICHARD SELBY — No. 10735 — REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
Exp.2014-01-18

OWNER
ANGUS ROY GROSS AND ADRIENNE R. GROSS
13920 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784-5813

DEVELOPER
DAN RICKER
13898 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784

As-Built
REVISED
FINAL S.W.M. / DRIVEWAY CONSTRUCTION PLAN

GROSS PROPERTY

LOTS 1 AND 2
ZONED: RC-DEO

TAX MAP No. 9 GRID No. 1 PARCEL No. 69
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

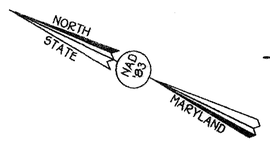
0' 30' 60' 90'
Scale: 1" = 30'
DATE: NOVEMBER 19, 2002
SHEET 1 OF 1

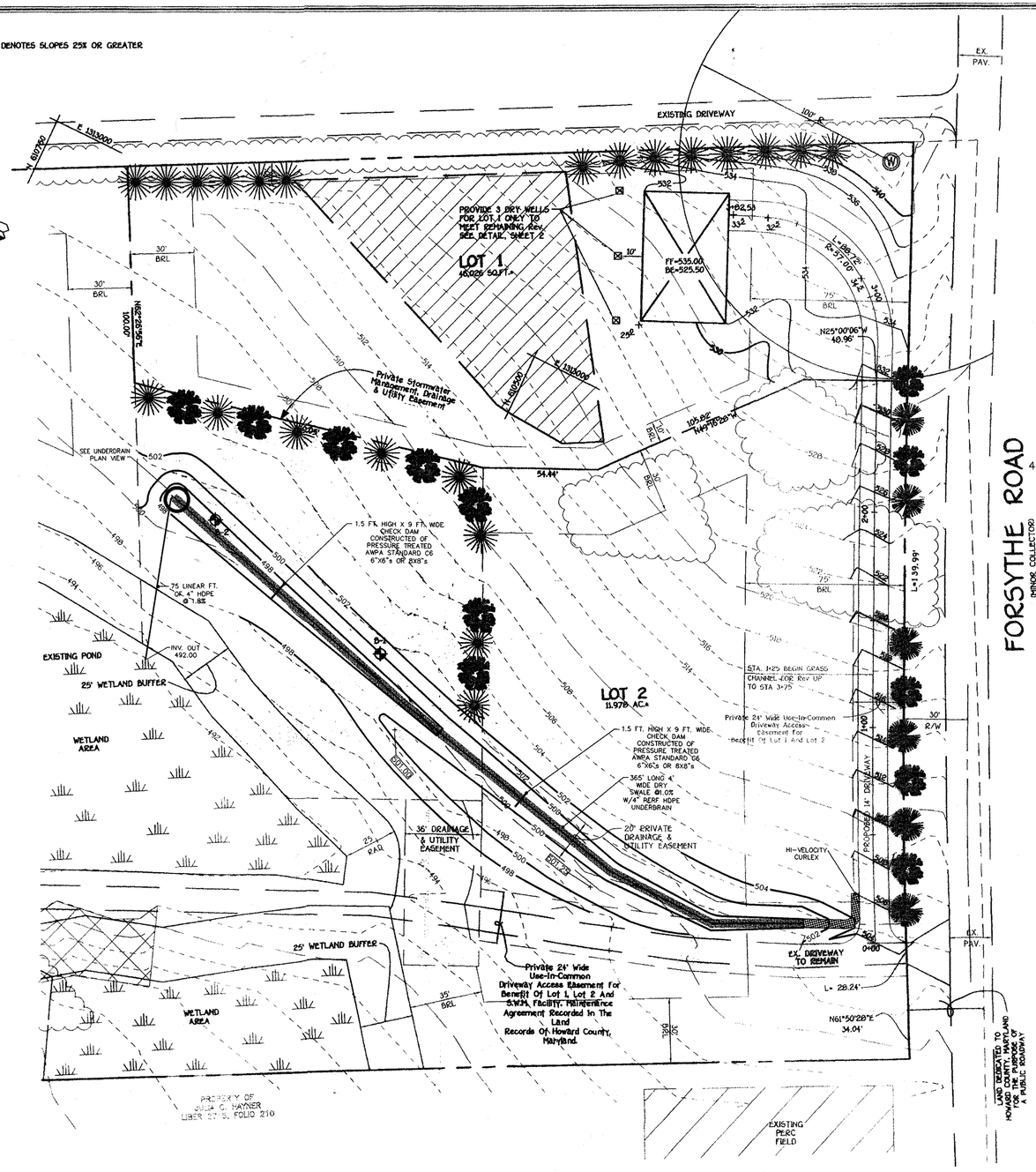
F 01-156

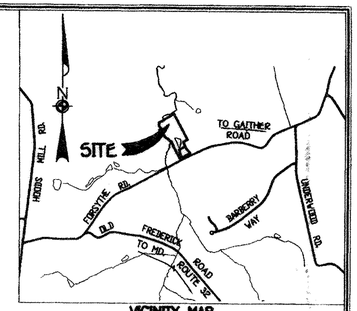
APPROVED DEPARTMENT OF PLANNING AND ZONING

Kent Sheubrooks / for CH CHIEF, DIVISION OF LAND DEVELOPMENT	8/09/07 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/9/07 DATE

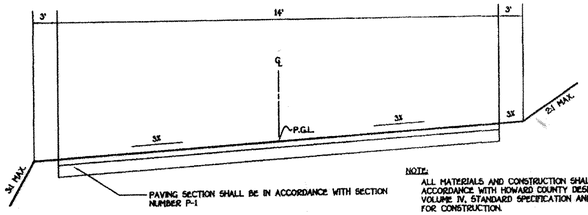
DENOTES SLOPES 25% OR GREATER







VICINITY MAP
SCALE: 1"=2000'

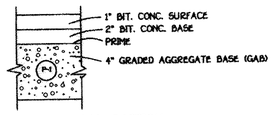


NOTE:
ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.

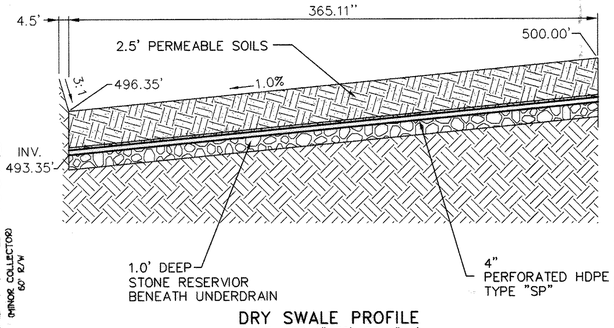
TYPICAL RESIDENTIAL DRIVEWAY
NO SCALE

DRIVEWAY INFORMATION CHART

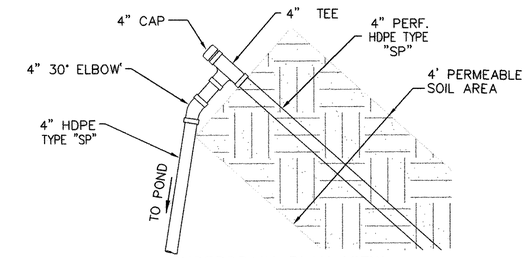
ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	℄ STATION LIMITS	PAVING SECTION
DRIVEWAY	PRIVATE DRIVEWAY	15 M.P.H.	RC-DEO	0+00 TO 3+98.10	P-1



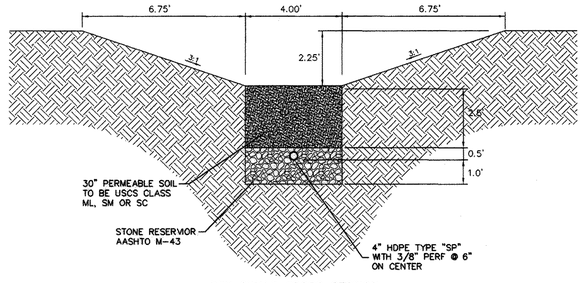
P-1 PAVING SECTION FOR DRIVEWAY
NO SCALE



DRY SWALE PROFILE
SCALE: HOR. 1"=50' VER. 1"=5'



UNDERDRAIN PLAN VIEW
SCALE: 1"=2'



DRY SWALE CROSS SECTION
SCALE: 1"=3'

REV.NO.	DATE	BY	REVISION
1	2006-09-06	DRS/smh	REMOVED PROPOSED BIO-RETENTION FACILITY AND ASSOCIATED GRADING, NOTES AND DETAILS. ADDED DRYSWALE, CHECK DAMS, UNDERDRAIN, PROFILE AND CROSS SECTION.
PURPOSE: TO REPLACE THE PREVIOUSLY APPROVED BIO-RETENTION FACILITY WITH A DRYSWALE WITH CHECK DAMS AND UNDERDRAIN.			

D.R.S. & ASSOCIATES
LAND DESIGN CONSULTANTS
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WESTMINSTER, MARYLAND 21157
410-848-4060 410-876-6040
FAX 410-876-7603

STATE OF MARYLAND
DANIEL R. SCHEUERMAN
No. 10736
REGISTERED PROFESSIONAL ENGINEER

STATE OF MARYLAND
JOHN WAYNE WITMER
No. 20748
REGISTERED PROFESSIONAL ENGINEER
11-21-02

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

FCC. 30725/GROSS-LOTS 1&2/DRIVEWAY & SWM PLAN REVISED OCT. 2002

N. 610500 E. 1312500

OWNER
ANGUS ROY GROSS AND ADRIENNE R. GROSS
13920 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784-5013

DEVELOPER
DAN RICKER
13698 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784

REVISED
FINAL S.W.M. / DRIVEWAY CONSTRUCTION PLAN
GROSS PROPERTY
LOTS 1 AND 2
ZONED RC-DEO

TAX MAP No. 9 GRID No. 1 PARCEL No. 69
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

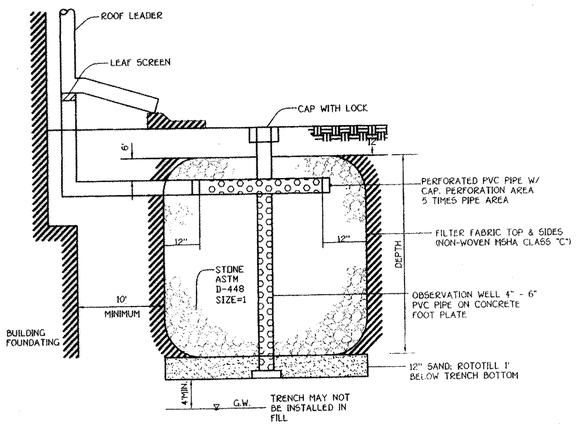
0' 30' 60' 90'
Scale: 1" = 30'
DATE: NOVEMBER 18, 2002
SHEET 3 OF 4

F 01-156

I:\CAD\02929\98449\CS01-02.DWG, MAP, 2007-03-22 8:40:53 AM, smh

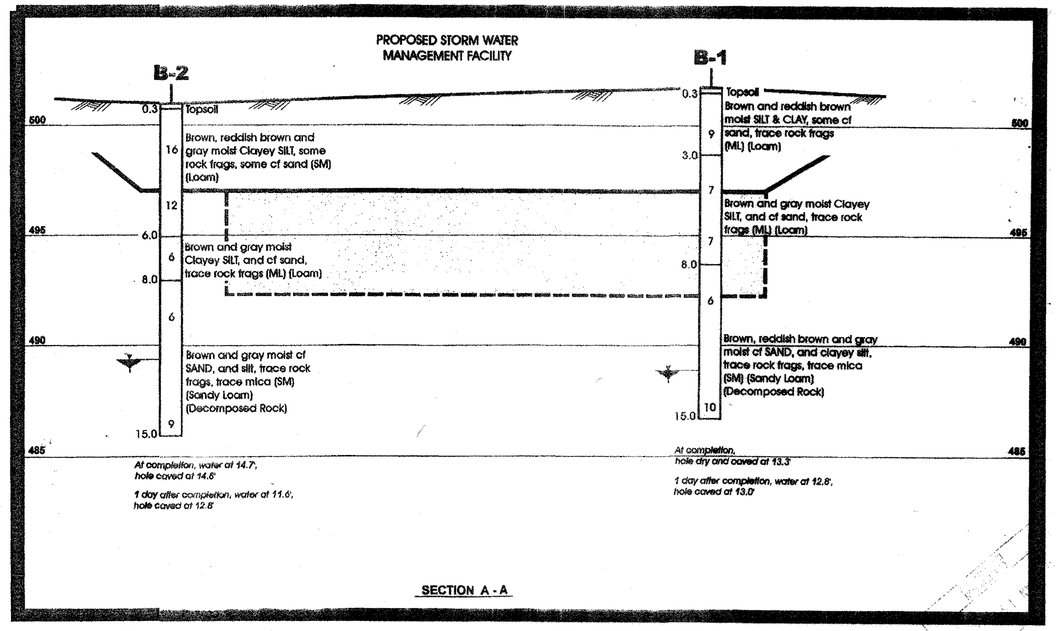
APPROVED DEPARTMENT OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 8/08/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 8/9/07



DETAIL - DRY WELL
NOT TO SCALE

DRY WELL	DEPTH (FT)	" B " LENGTH (FT)	" A " WIDTH (FT)
1	4'	4'	4'
2	4'	4'	4'
3	4'	4'	4'



SECTION A - A

SOIL BORING DETAIL
NO SCALE

REV.NO.	DATE	BY	REVISION
1	2006-09-06	DRS/smh	REMOVED BIO-RETENTION CROSS SECTION DETAIL, STORM DRAIN PROFILE AND BIO-RETENTION DRAIN PIPE PROFILE.
PURPOSE: TO REPLACE THE PREVIOUSLY APPROVED BIO-RETENTION FACILITY WITH A DRYSWALE WITH CHECK DAMS AND UNDERDRAIN.			

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FAX 410-876-7603

STATE OF MARYLAND DENNIS R. SCHRADER No. 16776 REGISTERED PROFESSIONAL ENGINEER

STATE OF MARYLAND DAVID W. WILSON No. 24734 REGISTERED PROFESSIONAL ENGINEER
11-21-07

FISHER, COLLINS & CARTER, INC.
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CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

FCC 130721/GROSS-LOTS 1&2/DRIVEWAY & SWM PLAN REVISED OCT. 2007

OWNER
ANGUS ROY GROSS AND ADRIENNE R. GROSS
13920 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784-5613

DEVELOPER
DAN RICKER
13998 FORSYTHE ROAD
SYKESVILLE, MARYLAND 21784

REVISED
FINAL S.W.M. DETAIL SHEET
GROSS PROPERTY
LOTS 1 AND 2
ZONED: RC-DEO
TAX MAP No. 9 GRID No. 1 PARCEL No. 69
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

0' 30' 60' 90'
Scale: 1" = 30'
DATE: NOVEMBER 18, 2002
SHEET 4 OF 4

F 01-156

I:\CAD\02929\98449\CS01-03.DWG, MAP, 2007-03-22 8:42:05 AM, smh