

Sheet Index Chart

Sheet	Description
1 thru 9	Forest Conservation Plan (FCP) @TW's Waverly Woods
10	FCP Planting Schedule & Details
11	Off-site FCP Notes & Details
12 & 13	Off-site Forest Mitigation Plan Mt. Pleasant, Howard Co. Conservancy @TW's Waverly Woods

General Notes: (SHEETS 1 THRU 10) AMENDED WAVERLY WOODS PLATS

- THE PURPOSE OF THIS FOREST CONSERVATION PLAN IS TO IDENTIFY 23 FOREST CONSERVATION EASEMENTS CONTAINING 11.718 ACRES RETENTION AND 7.766 ACRES PLANTING.
- THE FOREST CONSERVATION PROVIDED BY THIS AMENDED PLAT PROVIDES A TOTAL SURETY IN THE AMOUNT OF \$382,744.30 BASED ON THE FOLLOWING:
 - A. FOREST RETENTION = 11.718 ACRES WITH A SURETY IN THE AMOUNT OF \$102,087.22 (11.718 AC. X 43,560 SQ. FT./AC X \$40.20/SF) AND IS POSTED WITH THE DEVELOPER'S AGREEMENT.
 - B. FOREST PLANTING = 7.766 ACRES ON SITE WITH A SURETY IN THE AMOUNT OF \$169,143.48 (7.766 AC. X 43,560 SQ. FT./AC X \$40.50/S.F.)
 - C. SEE SHEET 17 OF THE FINAL RECORDED PLATS (F-04-105) FOR MASTER OVERALL FOREST CONSERVATION TOTAL.

General Notes: (SHEET 11) GATHER HUNT, SECTION 1, AREA 1

- THE PURPOSE OF THIS FOREST CONSERVATION PLAN IS TO IDENTIFY 2 FOREST CONSERVATION EASEMENTS CONTAINING 6.14 ACRES PLANTING.
- THE FOREST CONSERVATION PROVIDED BY THE AMENDED PLAT FOR GATHER HUNT, SECTION 1, AREA 1, NON-BUILDABLE PRESERVATION PARCEL 'B' PROVIDES A SURETY IN THE AMOUNT OF \$133,729.20 (6.14 ACRES X 43,560 S.F./ACRE X \$40.50/S.F.)

General Notes: OVERALL WAVERLY WOODS

- THE REMAINING FOREST OBLIGATION AFTER THE RECORDED OF PLATS (F-04-105) AND F-04-31 TO PROVIDE THE TOTAL FOREST CONSERVATION OBLIGATION FOR GTW'S WAVERLY WOODS, IS 17.82 ACRES RETENTION OR (82.88 ACRES - 77.88 ACRES AND 83.55 ACRES AFFORESTATION OR (108.8 ACRES - 77.47 ACRES)

General Note: (Sheets 12 & 13) Mt. Pleasant, Howard County Conservancy, Inc. (Tax Map 10, Grid 24, Parcel 215)

- The purpose of this Forest Conservation Plan is to identify five (5) Forest Conservation Easements containing 18.28 acres of planting.

EXISTING RECORDED FOREST CONSERVATION EASEMENT LEGEND

NO.	SECTION	FILE NO.	PLAT RECORDING REFERENCE
1	SECTION 4, AREA 1	F-99-79	PLAT NO. 13531
2	SECTION 4, AREA 1	F-95-173	PLAT NO. 12250
3	SECTION 5	F-95-179	PLAT NO. 12716
4	SECTION 5	F-95-179	PLAT NO. 12717
5	SECTION 5	F-95-179	PLAT NO. 12718
6	SECTION 6	F-98-288	PLAT NO. 13513
7	SECTION 6	F-98-288	PLAT NO. 13514
8	SECTION 6	F-98-288	PLAT NO. 13515
9	SECTION 6	F-98-288	PLAT NO. 13516
10	SECTION 6	F-00-114	PLAT NO. 14119
11	SECTION 7	F-97-890	PLAT NOS. 13439 & 13440
12	SECTION 10	F-00-06	PLAT NO. 14140
13	SECTION 11, AREA 3	F-01-147	PLAT NO. 15223
14	SECTION 11, AREA 4	F-01-93	PLAT NO. 15229
15	SECTION 11, AREA 4	F-01-93	PLAT NO. 15260
16	SECTION 11, AREA 4	F-01-93	PLAT NO. 15261
17	SECTION 11, AREA 4	F-01-93	PLAT NO. 15263
18	SECTION 12	F-01-31	PLAT NO. 14790
19	SECTION 12	F-01-31	PLAT NO. 14791
20	SECTION 12	F-01-31	PLAT NO. 14792

REVISION

No.	Revision	Date
1	Revise Sheet 1 to add General Notes 7 & 8 to explain the off-site Forest Conservation Easements; add Sheets 12 & 13; revise sheet numbers; add Sheet Index Chart.	10-2-06
2	REMOVE 0.001 ACRES FOREST RETENTION FROM PLOT NO. 23 CREATING PLOT NO. 23-1	8/2/13

LEGEND

- EXISTING RECORDED FOREST CONSERVATION EASEMENTS
- FOREST CONSERVATION EASEMENTS TO BE CREATED WITH AMENDED PLATS (F-04-105)

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cindy Hamula 11/29/04
 CHIEF, DIVISION OF LAND DEVELOPMENT

John P. Canles 4/17/04
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

OWNERS

WAVERLY WOODS OWNERS ASSOCIATION, INC. C/O LAND DESIGN AND DEVELOPMENT, INC. 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043

GTW JOINT VENTURE C/O LAND DESIGN AND DEVELOPMENT, INC. 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043

DEVELOPER

WAVERLY WOODS DEVELOPMENT CORPORATION C/O LAND DESIGN AND DEVELOPMENT, INC. 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043

MD DNR Qualified Professional
 USACE Wetland Delineator
 Certification # WDCP93MD06100448
 JOHN P. CANLES



Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

FOREST CONSERVATION PLAN
GTW'S WAVERLY WOODS

Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12250)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 137 And 180 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section 11, Area 2 (Plat Nos. 15190 Thru 15198)
 Lot 11 - Section 11, Area 3 (Plat Nos. 15221 Thru 15227)

Zoned R-5C, R-20, R-5A-B AND R-A-15

Tax Map: 16, Grids 5 And 10, Parcels 417, 418, 424 & 435

Third Election District Howard County, Maryland
 Date November 2, 2004
 Sheet 1 of 17



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cecilia Hamilton 11/29/09
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

John P. Canoles 11/17/09
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MD DNR Qualified Professional
 USACOE Wetland Designer
 Certification # WDCP93MD060004H

John P. Canoles
 JOHN P. CANOLES

Eco-Science
 Professionals, Inc.
 CONSULTING ECOLOGISTS

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10712 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 481-2955

No	Revision	Date
1	Revise sheet number	10-2-08

FOREST
 CONSERVATION
 EASEMENT No. 1
 (Reforestation)
 Total Area = 1.482 Ac.

OWNERS

WAVERLY WOODS OWNERS ASSOCIATION, INC. GW JOINT VENTURE
 C/O LAND DESIGN AND DEVELOPMENT, INC. C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043 ELLICOTT CITY, MARYLAND 21043

DEVELOPER

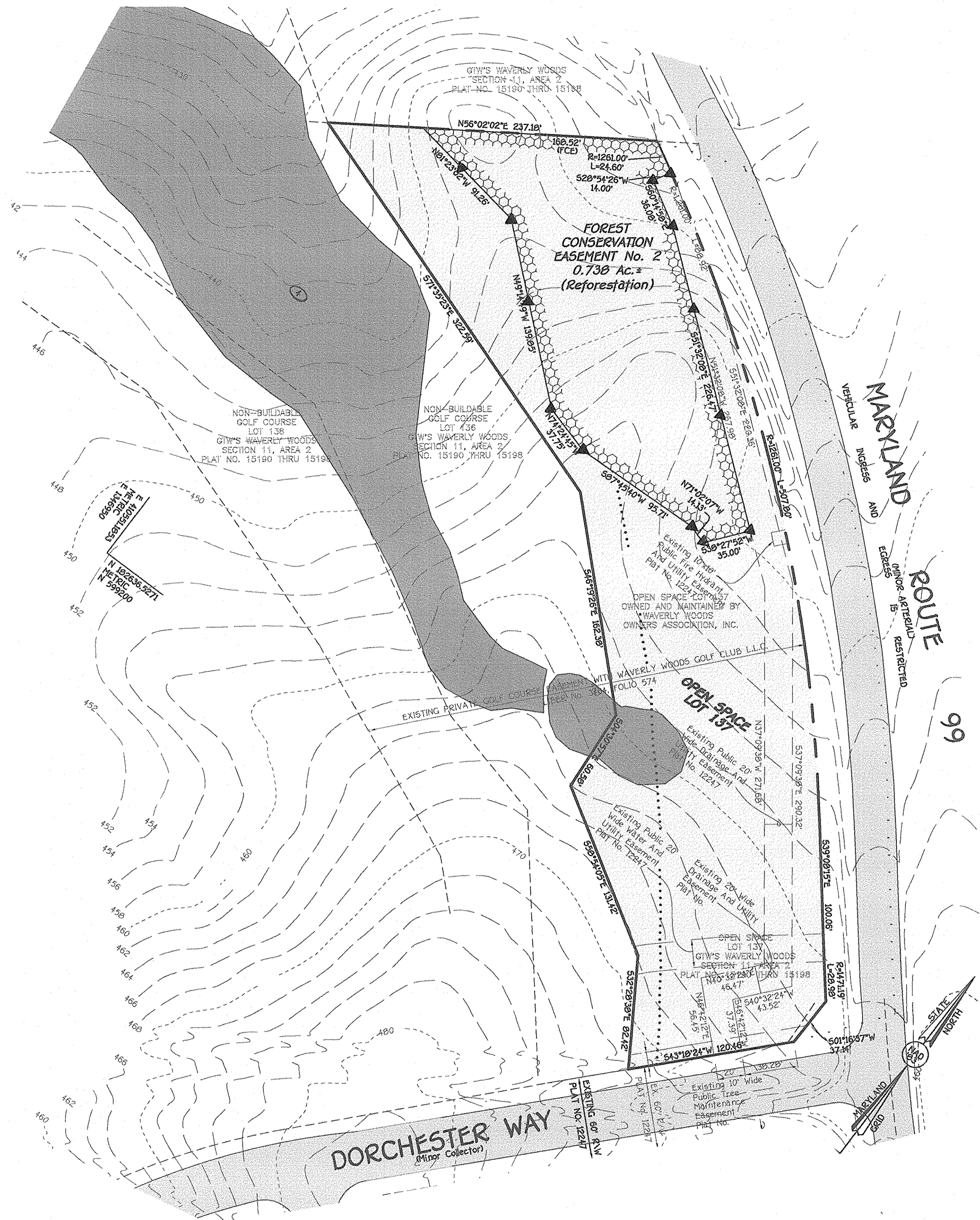
WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

**FOREST CONSERVATION PLAN
 GW'S WAVERLY WOODS**

Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12251)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 137 And 168 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section II, Area 2 (Plat Nos. 01590 Thru 01598)
 Lot II - Section II, Area 3 (Plat Nos. 015221 Thru 15227)

Zoned: R-5C, R-20, R-5A-B AND R-A-15
 Tax Map: 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
 Third Election District: Howard County, Maryland
 Scale: 1"=50'
 Date: November 2, 2009
 Sheet 3 of 10

John P. Canoles



FOREST CONSERVATION PLAN
GTW'S WAVERLY WOODS
 Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12251)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 173 And 168 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section II, Area 2 (Plat Nos. 15190 Thru 15198)
 Lot II - Section II, Area 3 (Plat Nos. 15221 Thru 15227)

Zoned: R-5C, R-20, R-5A-B AND R-A-15
 Tax Map: 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
 Third Election District: Howard County, Maryland
 Scale: 1"=50'
 Date: November 2, 2004
 Sheet 4 Of 10

OWNERS
 WAVERLY WOODS OWNERS ASSOCIATION, INC. C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043
 GTW JOINT VENTURE C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043

DEVELOPER
 WAVERLY WOODS DEVELOPMENT CORPORATION
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET, ELLICOTT CITY, MARYLAND 21043

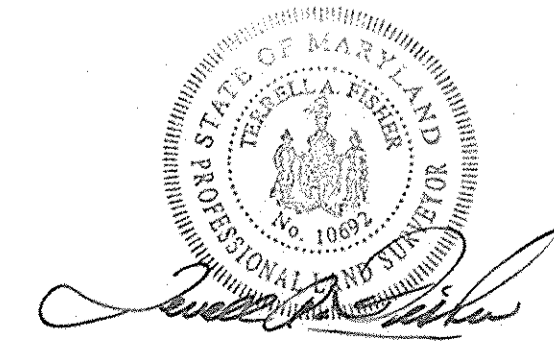
MD DNR Qualified Professional
 USACOE Wetland Delimitation
 Certification # W00293M006100448
 JOHN P. CANGLES

Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Cady Hammit, Chief, Division of Land Development, 11/16/04
 [Signature], Chief, Development Engineering Division, 11/17/04

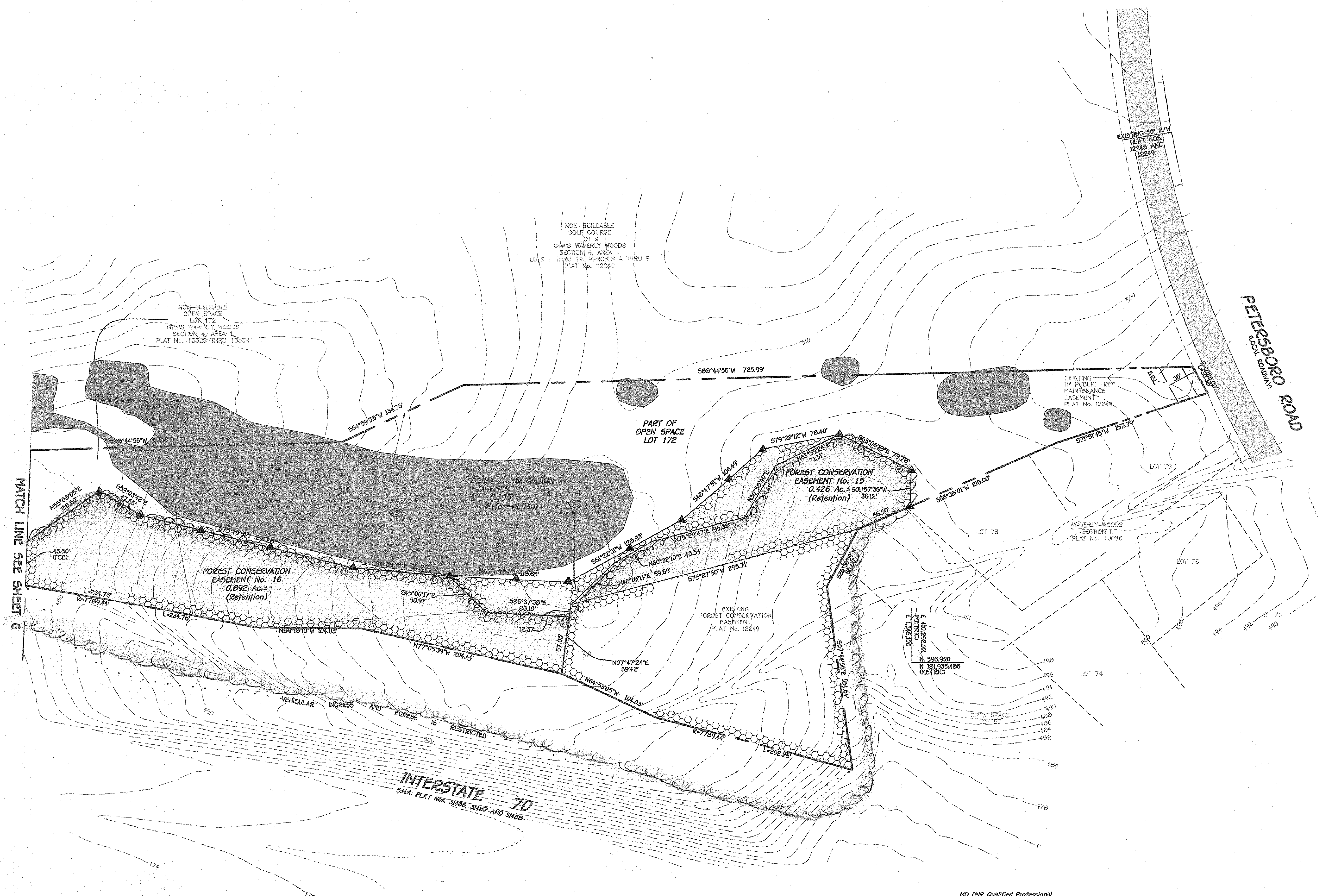
No.	Revision	Date
1	Revised sheet number	10.2.06

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 18772 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2555



F.04.105

K:\GIS\KFP\030731\fig\forest\plan\030731 Forest Plan (02-07).dwg, 11/22/04 10:33:03 AM



MATCH LINE SEE SHEET 6

PETERSBORO ROAD
LOCAL ROADWAY

N 1346.600
E 1094.020
N 597.000
N 101.955.963
(Meters)

FOREST CONSERVATION PLAN
GTW'S WAVERLY WOODS
Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12251)
Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
Lots 137 And 168 - Section 5 (Plat Nos. 12711 Thru 12723)
Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
Lots 12 Thru 20 - Section II, Area 2 (Plat Nos. 05190 Thru 15198)
Lot II - Section II, Area 3 (Plat Nos. 05221 Thru 15227)

Zoned R-5C, R-20, R-5A-B AND R-A-15
Tax Map: 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
Third Election District Howard County, Maryland
Scale 1"=50'
Date November 2, 2004
Sheet 5 of 10

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cinda Hamrick 11/2/04
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Chris Williams 11/7/04
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNERS

WAVERLY WOODS OWNERS ASSOCIATION, INC. GTW JOINT VENTURE
C/O LAND DESIGN AND DEVELOPMENT, INC. C/O LAND DESIGN AND DEVELOPMENT, INC.
8000 MAIN STREET 8000 MAIN STREET
ELLICOTT CITY, MARYLAND 21043 ELLICOTT CITY, MARYLAND 21043

DEVELOPER

WAVERLY WOODS DEVELOPMENT CORPORATION
C/O LAND DESIGN AND DEVELOPMENT, INC.
8000 MAIN STREET
ELLICOTT CITY, MARYLAND 21043

MD DNR Qualified Professional
USACOE Wetland Delineator
Certification # WDGP93MD06100448

J.P. Canoles
JOHN P. CANOLES

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS



No.	Revision	Date
1	Revise sheet number	10.2.06

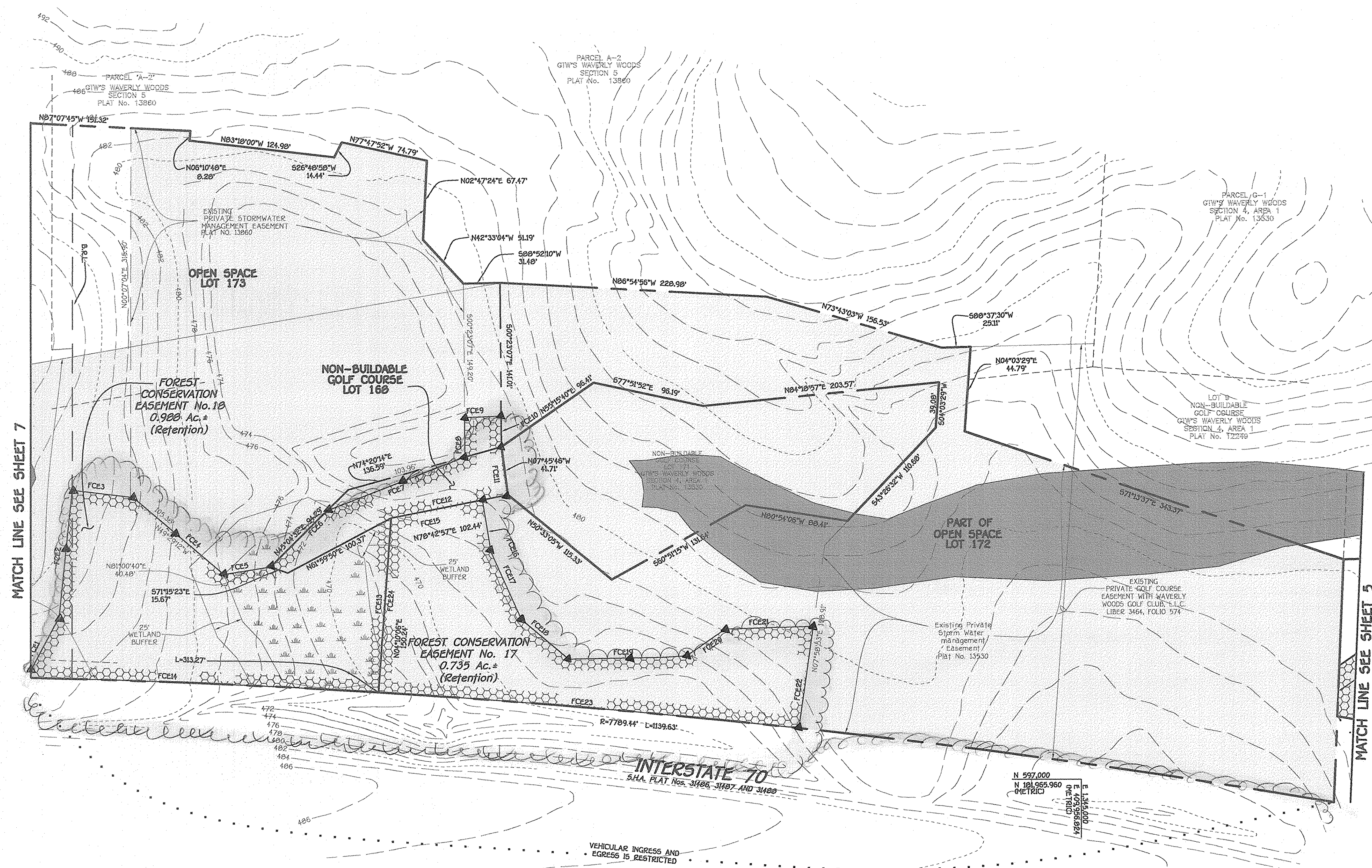
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21046
(800) 461-2895

F04.105

K:\SDS\FPC\030711\dwg\forest_plus\030711 Forest Plan (10-2-07).dwg, 11/2/2004 10:37:13 AM

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Hamstra 11/2/04
 CHIEF, DIVISION OF LAND DEVELOPMENT, SA DATE
John P. Canoles 11/17/04
 CHIEF, DEVELOPMENT ENGINEERING DIVISION 9 DATE

Forest Conservation Easement No. 18		Forest Conservation Easement No. 17	
SYM.	BEARING AND DISTANCE	SYM.	BEARING AND DISTANCE
FCE1	N20°06'55"E 58.03'	FCE15	N78°42'57"E 79.97'
FCE2	N05°56'10"E 109.05'	FCE16	N09°22'25"W 45.54'
FCE3	S03°03'54"E 52.72'	FCE17	N24°13'54"W 63.76'
FCE4	S49°29'12"E 102.34'	FCE18	N49°48'08"W 52.90'
FCE5	N01°00'37"E 40.48'	FCE19	S08°13'55"E 101.33'
FCE6	N45°04'32"E 68.66'	FCE20	S55°17'55"W 40.28'
FCE7	N68°40'27"E 126.93'	FCE21	S08°13'55"W 75.75'
FCE8	N00°23'07"E 33.86'	FCE22	N07°58'55"E 88.31'
FCE9	N87°47'50"E 31.49'	FCE23	R=7789.44' L=362.55'
FCE10	S00°23'07"E 26.26'	FCE24	N04°10'06"E 150.24'
FCE11	N07°45'48"W 41.71'		
FCE12	N78°42'57"E 102.44'		
FCE13	N04°10'06"E 150.24'		
FCE14	R=7789.44' L=362.05'		



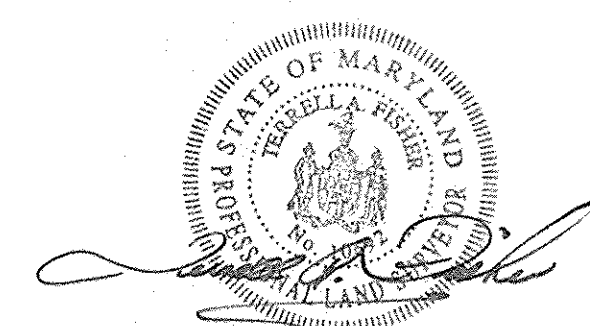
OWNERS
 WAVERLY WOODS OWNERS ASSOCIATION, INC. GTW JOINT VENTURE
 C/O LAND DESIGN AND DEVELOPMENT, INC. C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043 ELLICOTT CITY, MARYLAND 21043
 WAVERLY WOODS DEVELOPMENT CORPORATION
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

DEVELOPER
 WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

MD DNR Qualified Professional
 USACOE Wetland Delimitation
 Certification # WD06934006100418
J.P. Canoles
 JOHN P. CANOLES

Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

FOREST CONSERVATION PLAN
GTW'S WAVERLY WOODS
 Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12245 Thru 12250)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 137 And 160 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section 11, Area 2 (Plat Nos. 15190 Thru 15198)
 Lot 11 - Section 11, Area 3 (Plat Nos. 15221 Thru 15227)
 Zoned: R-5C, R-20, R-5A-B AND R-A-15
 Tax Map 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
 Third Election District Howard County, Maryland
 Scale 1"=50'
 Date November 2, 2004
 Sheet 6 of 19



No.	Revision	Date
1	Revise sheet number	10.2.06

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE BLDG. - 1072 BALTIMORE NATIONAL PKWY.
 ELLICOTT CITY, MARYLAND 21042
 410 481 - 2895

F.04.105

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Hamilton 11/17/04
 CHIEF, DIVISION OF LAND DEVELOPMENT
W. Dammer 11/17/04
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

MD DNR Qualified Professional
 USACOE Wetland delineator
 Certification # WDCP93MD000448
J.P.C.
 JOHN P. CANOLES

Eco-Science
 Professionals, Inc.
 CONSULTING ECOLOGISTS

PUBLIC FOREST CONSERVATION EASEMENT No. 19 (RETENTION)

SYMBOL	BEARING AND DISTANCE
F1	S66°10'15"E 234.40'
F2	S69°15'56"E 149.77'
F3	S76°27'34"E 43.54'
F4	N01°02'25"E 45.02'
F5	N84°58'38"E 251.1'
F6	N63°13'42"E 83.04'
F7	N88°19'49"E 330.86'
F8	N80°11'53"E 148.65'
F9	S70°19'48"E 110.64'
F10	S81°23'16"E 89.75'
F11	S03°47'44"W 19.39'
F12	R-778944' L-1434.82'
F13	N37°19'16"W 176.70'

PUBLIC FOREST CONSERVATION EASEMENT No. 21 (RETENTION)

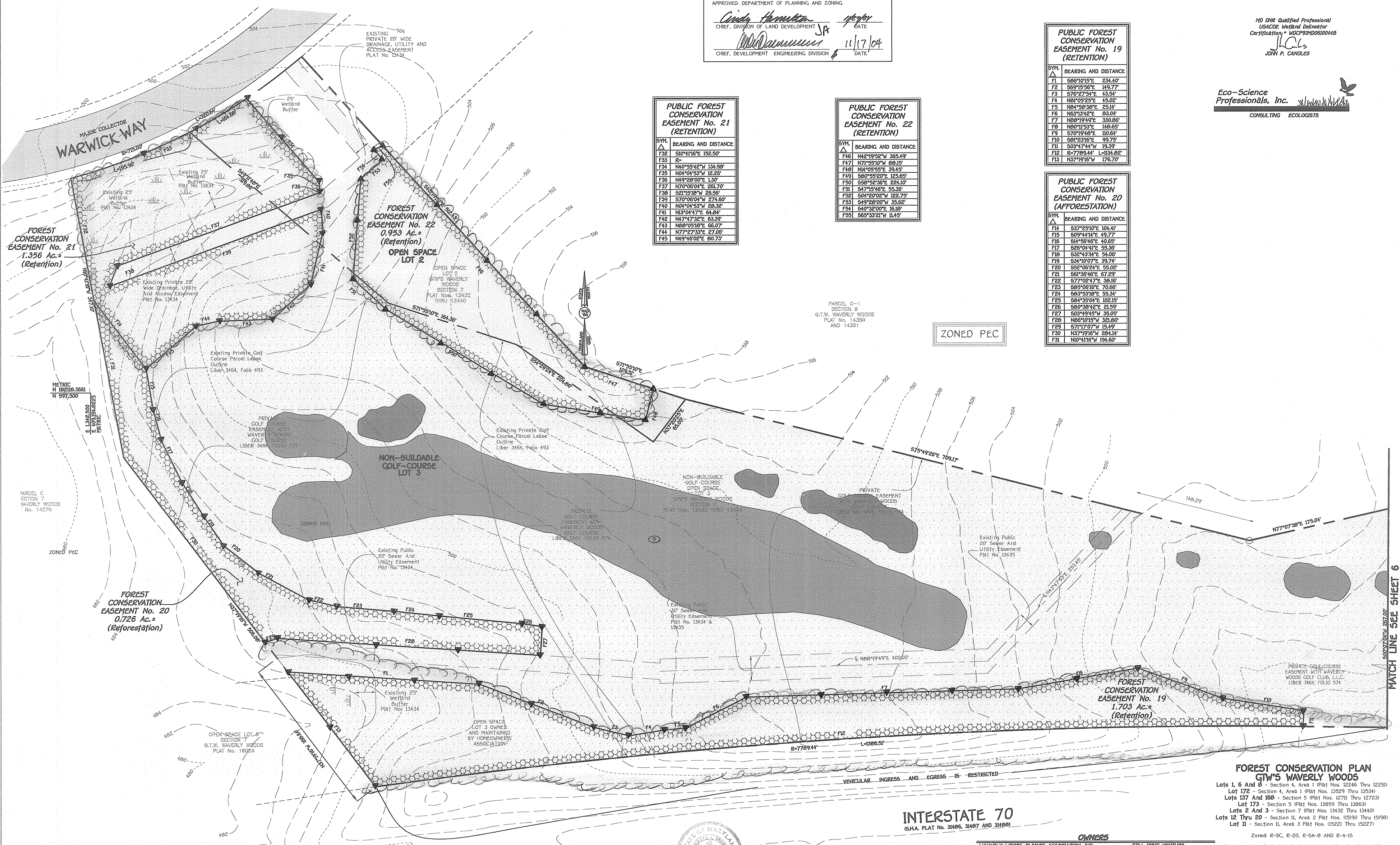
SYMBOL	BEARING AND DISTANCE
F32	S10°41'16"E 152.50'
F33	R-
F34	N40°55'42"W 134.98'
F35	N04°04'53"W 12.26'
F36	N49°28'00"E 1.30'
F37	N70°08'04"E 261.70'
F38	S21°19'18"W 26.56'
F39	S70°08'04"W 274.60'
F40	N04°04'53"W 28.32'
F41	N13°04'47"E 64.84'
F42	N47°47'32"E 63.39'
F43	N88°09'18"E 66.07'
F44	N77°27'33"E 27.06'
F45	N49°48'02"E 80.73'

PUBLIC FOREST CONSERVATION EASEMENT No. 22 (RETENTION)

SYMBOL	BEARING AND DISTANCE
F46	N42°19'52"W 355.49'
F47	N71°59'10"W 98.15'
F48	N14°09'55"E 39.45'
F49	S80°55'20"E 125.65'
F50	S98°52'36"E 224.10'
F51	S47°15'46"E 55.36'
F52	S04°20'02"W 122.75'
F53	S49°28'00"W 35.62'
F54	S40°32'00"E 18.19'
F55	S65°33'21"W 11.45'

PUBLIC FOREST CONSERVATION EASEMENT No. 20 (AFFORESTATION)

SYMBOL	BEARING AND DISTANCE
F14	S37°25'10"E 104.41'
F15	S09°44'14"E 49.77'
F16	S14°56'46"E 40.65'
F17	S26°04'41"E 55.38'
F18	S32°43'34"E 54.06'
F19	S34°10'07"E 39.74'
F20	S52°08'24"E 55.02'
F21	S61°38'46"E 67.29'
F22	S77°02'47"E 38.16'
F23	S85°08'16"E 70.66'
F24	S63°53'19"E 55.34'
F25	S84°35'04"E 102.15'
F26	S80°38'42"E 21.59'
F27	S03°49'45"W 35.05'
F28	N86°10'15"W 321.80'
F29	S71°17'07"W 15.49'
F30	N37°19'16"W 284.14'
F31	N10°41'16"W 194.60'



ZONED PEC

PARCEL C-1
 SECTION 9
 G.T.W. WAVERLY WOODS
 PLAT No. 14350
 AND 14351

INTERSTATE 70
 (S.H.A. PLAT No. 31486, 31487 AND 31488)

**FOREST CONSERVATION PLAN
 GTW'S WAVERLY WOODS**
 Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12250)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 137 And 168 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13859 Thru 13863)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section 11, Area 2 (Plat Nos. 05590 Thru 05598)
 Lot 11 - Section 11, Area 3 (Plat Nos. 05221 Thru 05227)
 Zoned: R-9C, R-20, R-5A-8 AND R-A-15
 Tax Map: 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
 Third Election District: Howard County, Maryland
 Scale: 1"=50'
 Date: November 2, 2001
 Sheet 7 of 12

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 1872 BALTIMORE NATIONAL FIRE
 ELLICOTT CITY, MARYLAND 21043
 (410) 461-2855

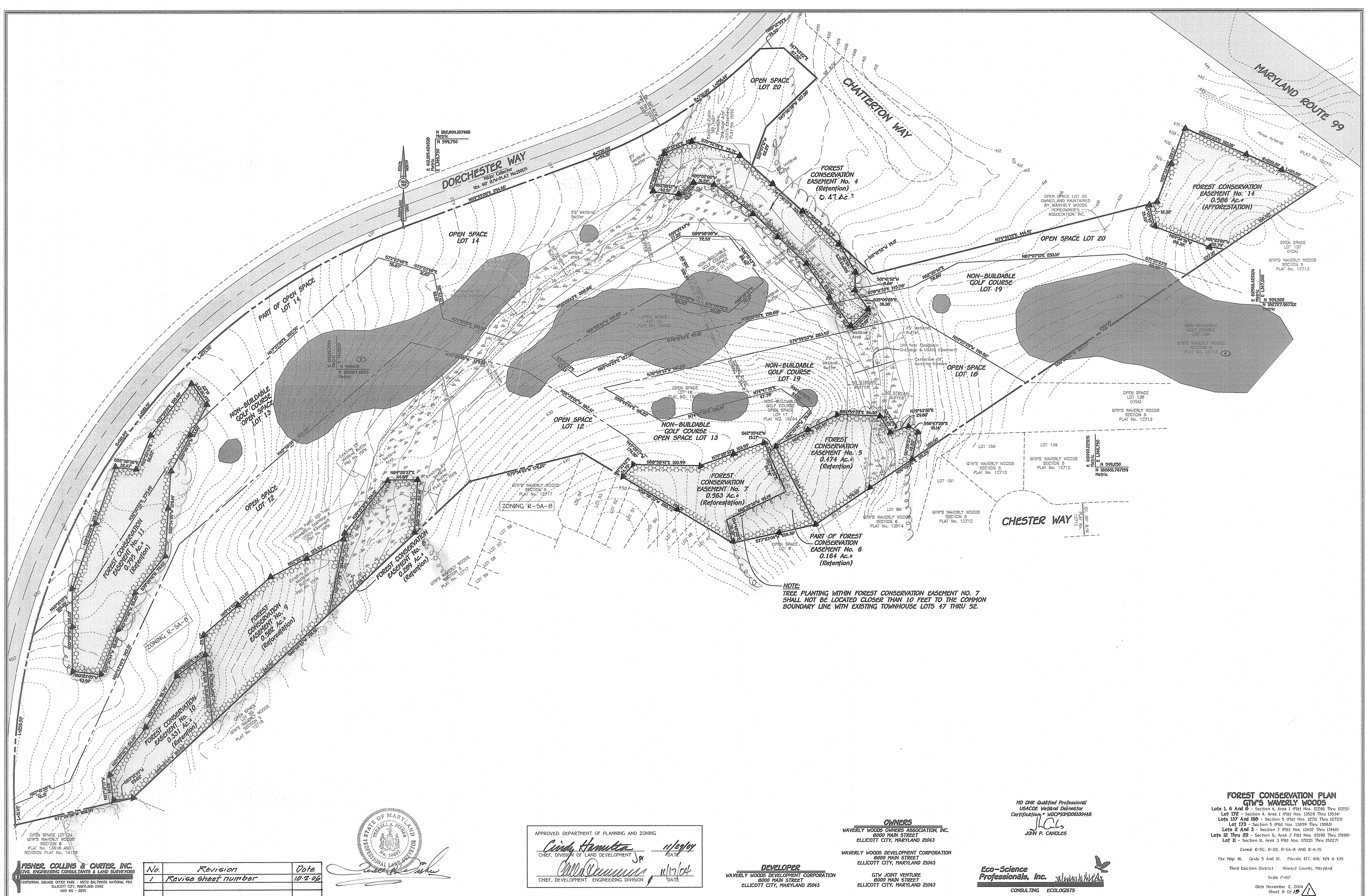
No.	Revision	Date
1	Revise sheet number	10-2-06

STATE OF MARYLAND
 DEPARTMENT OF PLANNING AND ZONING
 DIVISION OF LAND DEVELOPMENT
 11/17/04

DEVELOPER
 WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

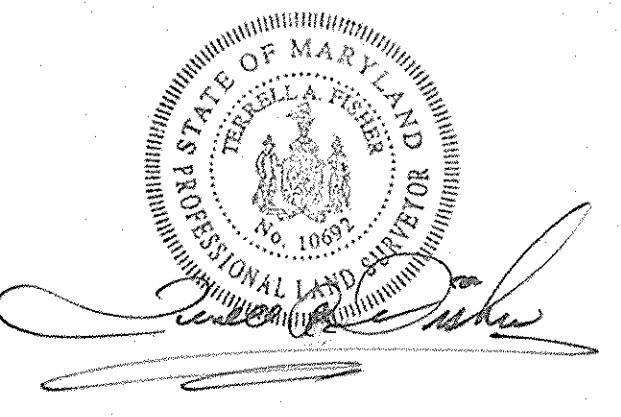
OWNERS
 WAVERLY WOODS OWNERS ASSOCIATION, INC.
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 GTW JOINT VENTURE
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

F.04.105



NOTE:
 TREE PLANTING WITHIN FOREST CONSERVATION EASEMENT NO. 7
 SHALL NOT BE LOCATED CLOSER THAN 10 FEET TO THE COMMON
 BOUNDARY LINE WITH EXISTING TOWNHOUSE LOTS 47 THRU 52.

No.	Revision	Date
1	Revise sheet number	10-2-06



APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Hamulka 11/29/04
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Chris Deamus 11/17/04
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNERS
 WAVERLY WOODS OWNERS ASSOCIATION, INC.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043
 GWV JOINT VENTURE
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

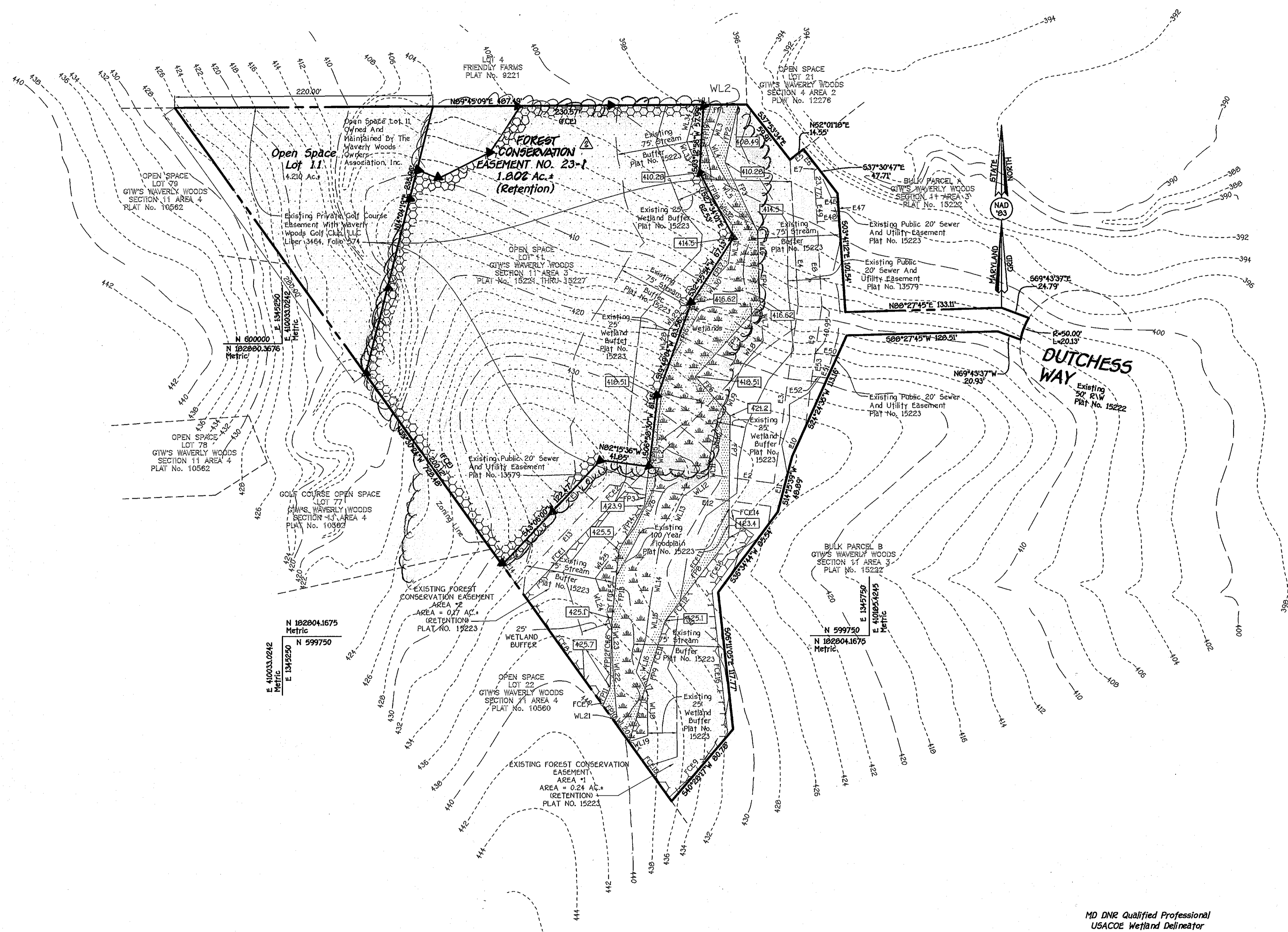
MD DNR Qualified Professional
 USACOE Wetland Designer
 Certification # WDC295100109448
John P. Cangles
 JOHN P. CANGLES
Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

FOREST CONSERVATION PLAN
GWV'S WAVERLY WOODS
 Lots 1, 6 and 8 - Section 4, Area 1 (Plat No. 12246 Thru 12250)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13929 Thru 13930)
 Lots 137 and 180 - Section 5 (Plat No. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat No. 13959 Thru 13963)
 Lots 2 and 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lot 12 Thru 20 - Section II, Area 2 (Plat Nos. 15590 Thru 15598)
 Lot 11 - Section II, Area 3 (Plat No. 15221 Thru 15227)
 Zoned R-5C, R-20, R-5A-B and R-4-15
 Tax Map 16, Grids 5 and 10, Parcels 417, 418, 424 & 435
 Third Election District - Howard County, Maryland
 Scale 1"=60'
 Date November 2, 2004
 Sheet 9 of 15

F.04.105

K:\ISD\PROJ\30731\dwg\forest\pland\30731 - Area 2 Forest Plan.dwg, 11/02/04 16:25:20 AM

No.	Revision	Date
1	Revised sheet number	10-2-06
2	REMOVE 0.001 ACRES FOREST RETENTION FROM PLE NO. 23 CREATING PLE NO. 23-1	8/2/13



FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL PARK
 ELLICOTT CITY, MARYLAND 21042
 410-461-2999

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Cindy Hamilton 11/29/13
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

David C. Fisher 11/17/13
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

DEVELOPER
 WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

OWNERS
 WAVERLY WOODS OWNERS ASSOCIATION, INC.
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

WAVERLY WOODS DEVELOPMENT CORPORATION
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

GTW JOINT VENTURE
 8000 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

MD DNR Qualified Professional
 USACOE Wetland Delineator
 Certification # WDCP93H00610044B

J.P. Canoles
 JOHN P. CANOLES

Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

FOREST CONSERVATION PLAN
GTW'S WAVERLY WOODS
 Lots 1, 6 And 8 - Section 4, Area 1 (Plat Nos. 12246 Thru 12250)
 Lot 172 - Section 4, Area 1 (Plat Nos. 13529 Thru 13534)
 Lots 137 And 160 - Section 5 (Plat Nos. 12711 Thru 12723)
 Lot 173 - Section 5 (Plat Nos. 13059 Thru 13063)
 Lots 2 And 3 - Section 7 (Plat Nos. 13432 Thru 13440)
 Lots 12 Thru 20 - Section II, Area 2 (Plat Nos. 05190 Thru 05199)
 Lot II - Section II, Area 3 (Plat Nos. 05221 Thru 05227)

Zoned: R-SC, R-20, R-5A-B AND R-A-15
 Tax Map 16, Grids 5 And 10, Parcels 417, 418, 424 & 435
 Third Election District Howard County, Maryland
 Scale 1"=50'
 Date November 2, 2004
 Sheet 9 of 19

Planting Notes:

- 1. Multiflora rose control may be required as part of this planting plan.
2. Bareroot plant material may be used to offset the cost of multiflora rose removal and maintenance.
3. Plants should be flagged to aid on location during maintenance.
4. All whips are required to be installed with tree shelters per Howard County FCA requirements.



Multiflora rose is prevalent in certain areas to be afforested. Prior to planting all multiflora rose shall be removed. Removal of the rose may be performed with mowing and herbicide treatments.

Planting/Soil Specifications

- 1. Planting of nursery stock shall take place between March 15th and April 30th.
2. A twelve (12) inch layer of topsoil shall be spread over all afforestation areas.
3. All bareroot planting stock shall have their root systems dipped into an anti-desiccant gel prior to planting.
4. Plants shall be installed so that the top of root mass is level with the top of existing grade.

Sequence of Construction

- 1. Plants shall be installed as per Plant Schedule and the Planting/Soil Specifications for the project.
2. Upon completion of the planting, signage shall be installed as per the Forest Retention Area Protection Devices shown on sheet 2 of the Forest Conservation Plan.
3. Plantings shall be maintained and guaranteed in accordance with the Maintenance and Guarantee requirements for project.

Maintenance of Plantings

- 1. Maintenance of plantings shall last for a period of 24 months.
2. All plant material shall be watered twice a month during the first growing season.
3. Invasive exotics and noxious weeds will be removed from reforestation areas.
4. Plants will be examined a minimum two times during the growing season for serious plant pests and diseases.

Guarantee Requirements

- 1. After one growing season, plant material shall be maintained at 90% survival threshold.
2. The contractor will not be liable for plant loss due to theft or vandalism.

Surety for Reforestation

- 1. The developer shall post a surety bond, letter of credit to ensure that reforestation plantings are completed.
2. The Forest Conservation Provided by This Plan Established a Total Surety in the Amount of \$404,929.90 Based on the Following:
A. Forest Retention = 11,710 Acres With A Surety in the Amount of \$402,087.22
B. Forest Planting (Reforestation) = 7,766 Acres On Site With A Surety in the Amount of \$169,143.49

OWNERS

Waverly Woods Owners Association, Inc. 8000 Main Street, Ellicott City, Maryland 21043

DEVELOPER

Waverly Woods Development Corporation, 8000 Main Street, Ellicott City, Maryland 21043

GTW Joint Venture, 8000 Main Street, Ellicott City, Maryland 21043

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Signatures of Cindy Hamilton and Chad Rasmussen with dates and titles.

Fisher, Collins & Carter, Inc. Civil Engineering Consultants & Land Surveyors

FCE # 12 - 0.145 acres

Planting units Required: 102
Planting units Provided: 105

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, and Quercus rubra.

FCE # 13 - 0.195 acres

Planting units Required: 137
Planting units Provided: 140

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, and Quercus rubra.

FCE # 14 - 0.586 acres

Planting units Required: 410
Planting units Provided: 414.5

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Cornus florida, Diospyros virginiana, Prunus serotina, and Viburnum prunifolium.

FCE # 20 - 0.726 acres

Planting units Required: 508
Planting units Provided: 508

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Platanus occidentalis, and Quercus rubra.

FCE # 3a - 1.266 acres

Planting units Required: 886
Planting units Provided: 887

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Cornus florida, Diospyros virginiana, Liriodendron tulipifera, Prunus serotina, Quercus alba, and Viburnum prunifolium.

FCE # 3b - 0.23 acres

Planting units Required: 161
Planting units Provided: 161

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, and Quercus rubra.

FCE # 7 - 0.399 acres

Planting units Required: 280
Planting units Provided: 280

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Cornus florida, Diospyros virginiana, Liriodendron tulipifera, Prunus serotina, Quercus alba, and Viburnum prunifolium.

FCE # 9 - 0.582 acres

Planting units Required: 408
Planting units Provided: 408

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Cornus florida, Prunus serotina, Quercus alba, and Viburnum prunifolium.

FCE # 1 - 1.482 acres

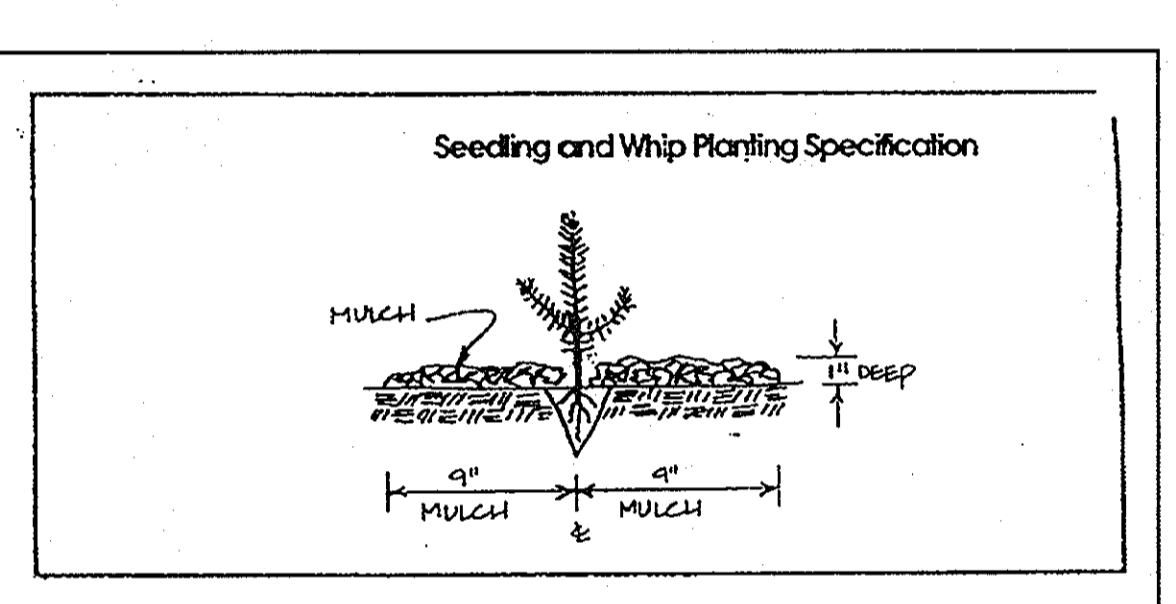
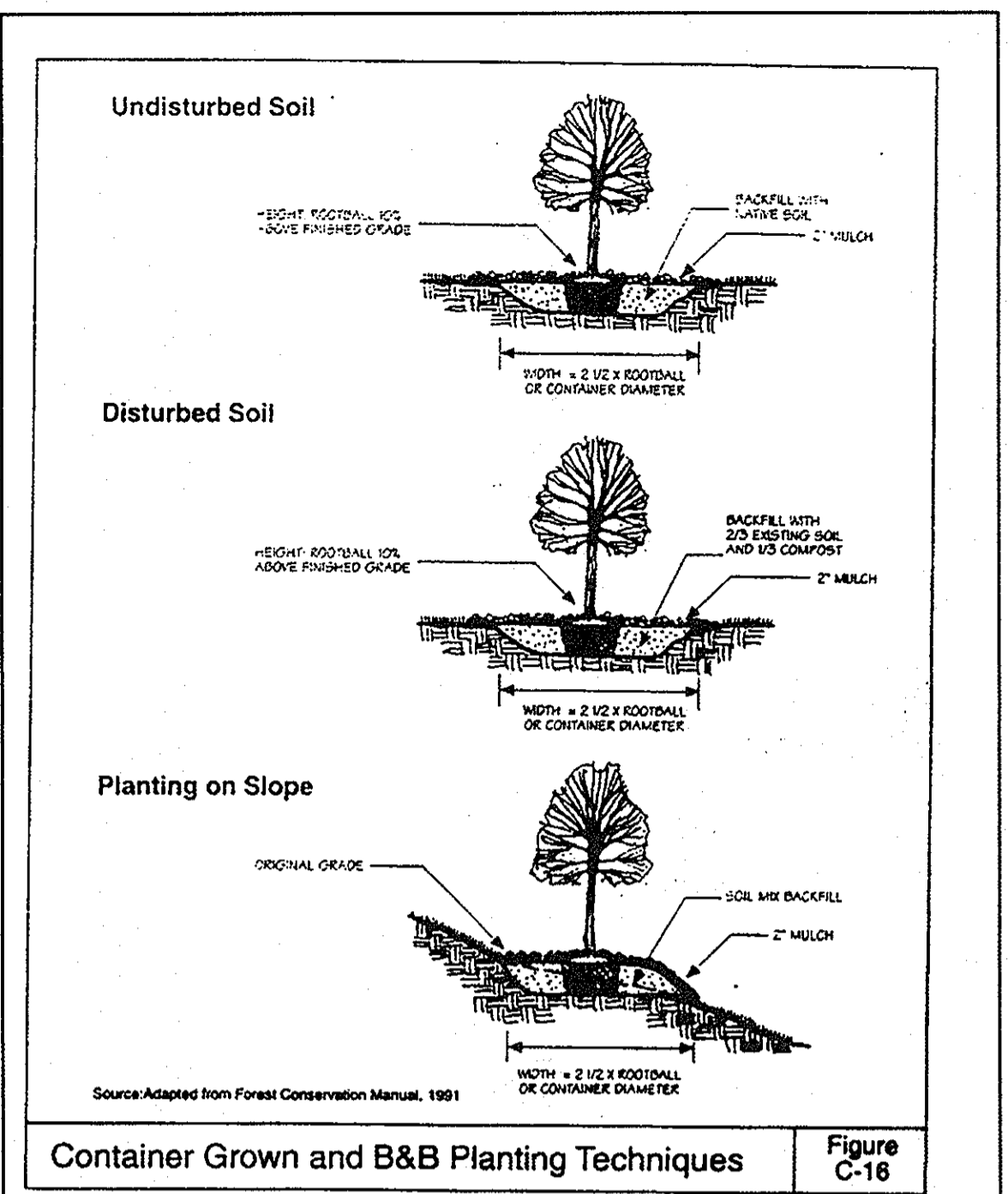
Planting units Required: 1038
Planting units Provided: 1040

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Acer rubrum, Liriodendron tulipifera, Quercus alba, Quercus rubra, Cornus florida, Diospyros virginiana, Liriodendron tulipifera, Prunus serotina, Quercus alba, and Viburnum prunifolium.

FCE # 2 - 0.738 acres

Planting units Required: 517
Planting units Provided: 519

Table with 5 columns: Qty, Species, Size, Spacing, Total FCA Units. Lists Quercus alba, Quercus rubra, Liriodendron tulipifera, Quercus alba, Quercus rubra, Cercis canadensis, Cornus florida, Diospyros virginiana, Liriodendron tulipifera, Prunus serotina, Quercus alba, and Viburnum prunifolium.



Residential And Golf Use FOREST CONSERVATION WORKSHEET VERSION 1.0

Table for Residential And Golf Use calculations. Columns include BASIC SITE DATA, NET TRACT AREA (NTA), LAND USE CATEGORY, INFORMATION FOR CALCULATIONS, and REFORESTATION CALCULATIONS.

Commercial And Golf Use FOREST CONSERVATION WORKSHEET VERSION 1.0

Table for Commercial And Golf Use calculations. Columns include BASIC SITE DATA, NET TRACT AREA (NTA), LAND USE CATEGORY, INFORMATION FOR CALCULATIONS, and REFORESTATION CALCULATIONS.

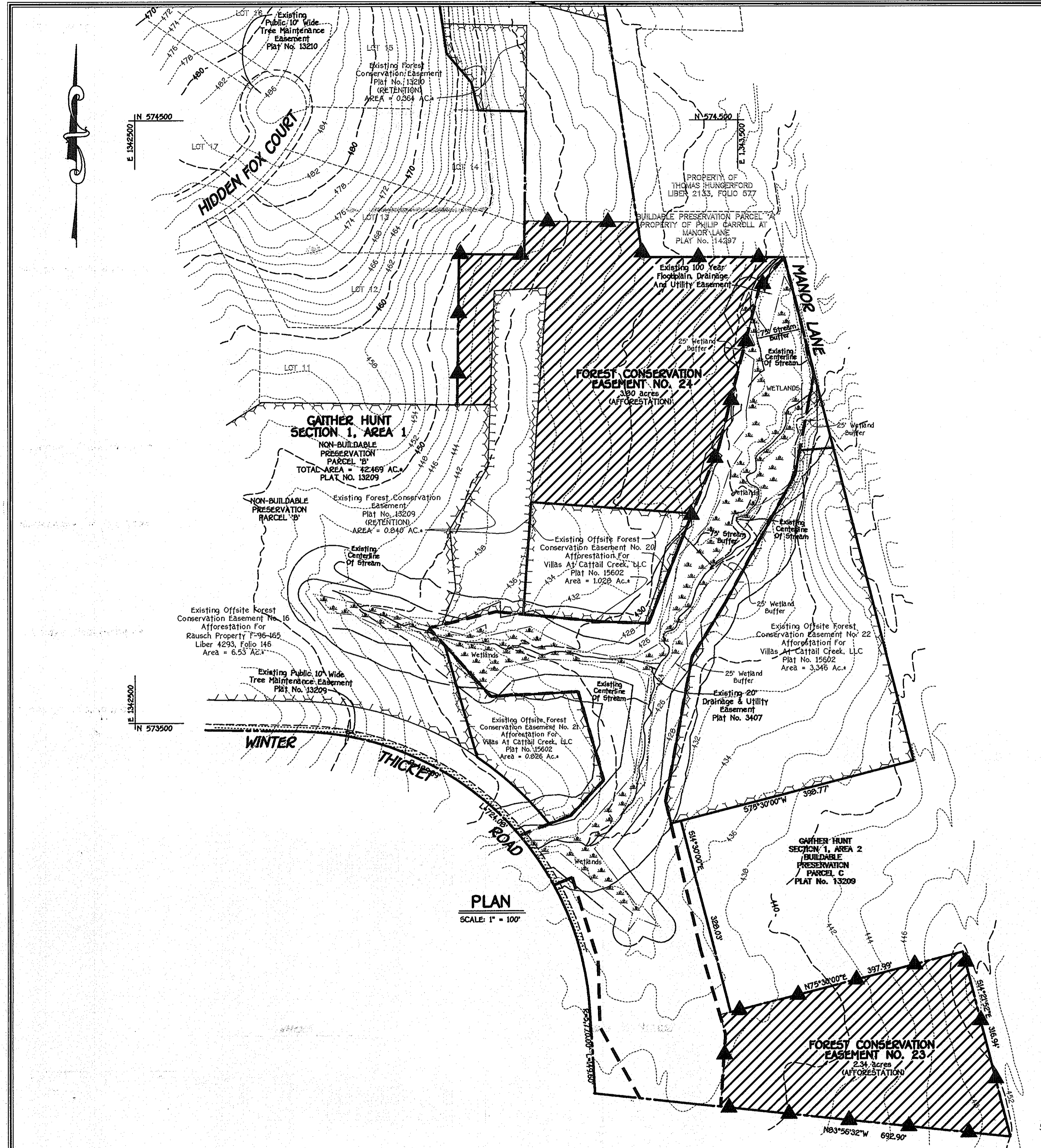
FOREST CONSERVATION PLANTING SCHEDULE AND DETAILS

GTW's Waverly Woods. Lots 1, 6 And 8 - Section 4, Area 1. Lots 172 - Section 4, Area 1. Lots 137 And 168 - Section 5. Lots 173 - Section 5. Lots 2 And 3 - Section 7. Lot 12 Thru 20 - Section 11. Lot 11 - Section 11.

Table with 3 columns: No., Revision, Date. Shows revision 1: Revise sheet number, Date 10.2.06.

Eco-Science Professionals, Inc. CONSULTING ECOLOGISTS

F.04.105



Planting Schedule
FCE #24 (3.0 +/- Acres)

Qty.	Species	Spacing	Size
170	Acer rubrum - Red maple		2-3' whip **
75	Cornus florida - Flowering dogwood		2-3' whip **
200	Fraxinus pennsylvanica - Green ash		2-3' whip **
75	Juniperus virginiana - Red cedar		2-3' whip **
175	Liriodendron tulipifera - Poplar		2-3' whip **
125	Nyssa sylvatica - Black gum		2-3' whip **
150	Prunus serotina - Black cherry		2-3' whip **
150	Quercus alba - White oak		2-3' whip **
150	Quercus rubra - Red oak		2-3' whip **
75	Viburnum prunifolium - Blackhaw		2-3' whip **
1345	Total		

FCE #23 (2.3 +/- acres)

Qty.	Species	Spacing	Size
100	Acer rubrum - Red maple		2-3' whip **
40	Cornus florida - Flowering dogwood		2-3' whip **
120	Fraxinus pennsylvanica - Green ash		2-3' whip **
50	Juniperus virginiana - Red cedar		2-3' whip **
100	Liriodendron tulipifera - Poplar		2-3' whip **
60	Nyssa sylvatica - Black gum		2-3' whip **
80	Prunus serotina - Black cherry		2-3' whip **
100	Quercus alba - White oak		2-3' whip **
100	Quercus rubra - Red oak		2-3' whip **
50	Viburnum prunifolium - Blackhaw		2-3' whip **
620	Total		

Key:
** Plantings to be spaced on 11 foot centers - plantings should be installed in rows to facilitate future maintenance. Where possible rows should be made along contours.
Per County requirements, tree shelters should be used.
b.t. - branched transplant

NOTE:
1. The Requirement for Planting is 350 whips with shelters per acre.
FCE 23 = 350 Whips / Acre x 2.34 Acres Or 819 Whips
FCE 24 = 350 Whips / Acre x 3.00 Acres Or 1,050 Whips
2. Total Number of Plants Required is 2,149 Whips
Total Number of Plants Provided is 2,165 Whips



Planting Notes:

- Multiflora rose control may be required as part of this planting plan.
- Bare-root plant material may be used to offset the cost of multiflora rose removal and maintenance. If bare-root material is used it must be planted in March-April and an anti-desiccant gel should be utilized to protect root systems. Container grown stock is recommended.
- Plants should be flagged to aid on location during maintenance. Plantings should also be planted in grid pattern to facilitate maintenance and removal of invasive and exotic species. Multiflora Rose Control Note

Multiflora rose is prevalent in certain areas to be afforested. Prior to planting all multiflora rose shall be removed. Removal of the rose may be performed with mowing and herbicide treatments. Physical removal of all top growth following by a periodic herbicide treatment of stump sprouts is recommended. Native tree and shrub species occurring within the rose thickets should be retained wherever possible. Herbicides treatments shall occur on 2 month intervals during the first growing season and once each in the spring and fall for subsequent years. Herbicide used shall be made specifically to address woody plant material and shall be applied as per manufacturer's specifications. Care should be taken not to spray planted trees or naturally occurring native tree/shrub seedlings. It is recommended that initiation of rose removal begin at least six months prior to planting.

Planting/Soil Specifications

- Planting of nursery stock shall take place between March 15th and April 30th. Container stock may be planted September 1-October 30.
- A twelve (12) inch layer of topsoil shall be spread over all afforestation areas impacted by site grading to assure a suitable planting area. Disturbed areas shall be seeded and stabilized as per general construction plan for project. Planting areas not impacted by site grading shall have no additional topsoil installed.
- All bare-root planting stock shall have their root systems dipped into an anti-desiccant gel prior to planting.
- Plants shall be installed so that the top of root mass is level with the top of existing grade. Backfill in the planting pits shall consist of 3 parts existing soil to 1 part pine fines or equivalent.
- Fertilizer shall consist of Agriform 22-0-2, or equivalent, applied as per manufacturer's specifications.
- A two (2) inch layer of hardwood mulch shall be placed over the area of all plantings.
- Plant material shall be transported to the site in a tarp or covered truck. Plants shall be kept moist prior to planting.
- All non-organic debris associated with the planting operation shall be removed from the site by the contractor.

Sequence of Construction

- Plants shall be installed as per Plant Schedule and the Planting/Soil Specifications for the project.
- Upon completion of the planting, signage shall be installed as per the Forest Retention Area Protection Devices shown on Sheet 2 of the Forest Conservation Plan.
- Plantings shall be maintained and guaranteed in accordance with the Maintenance and Guarantee requirements for project.

Maintenance of Plantings

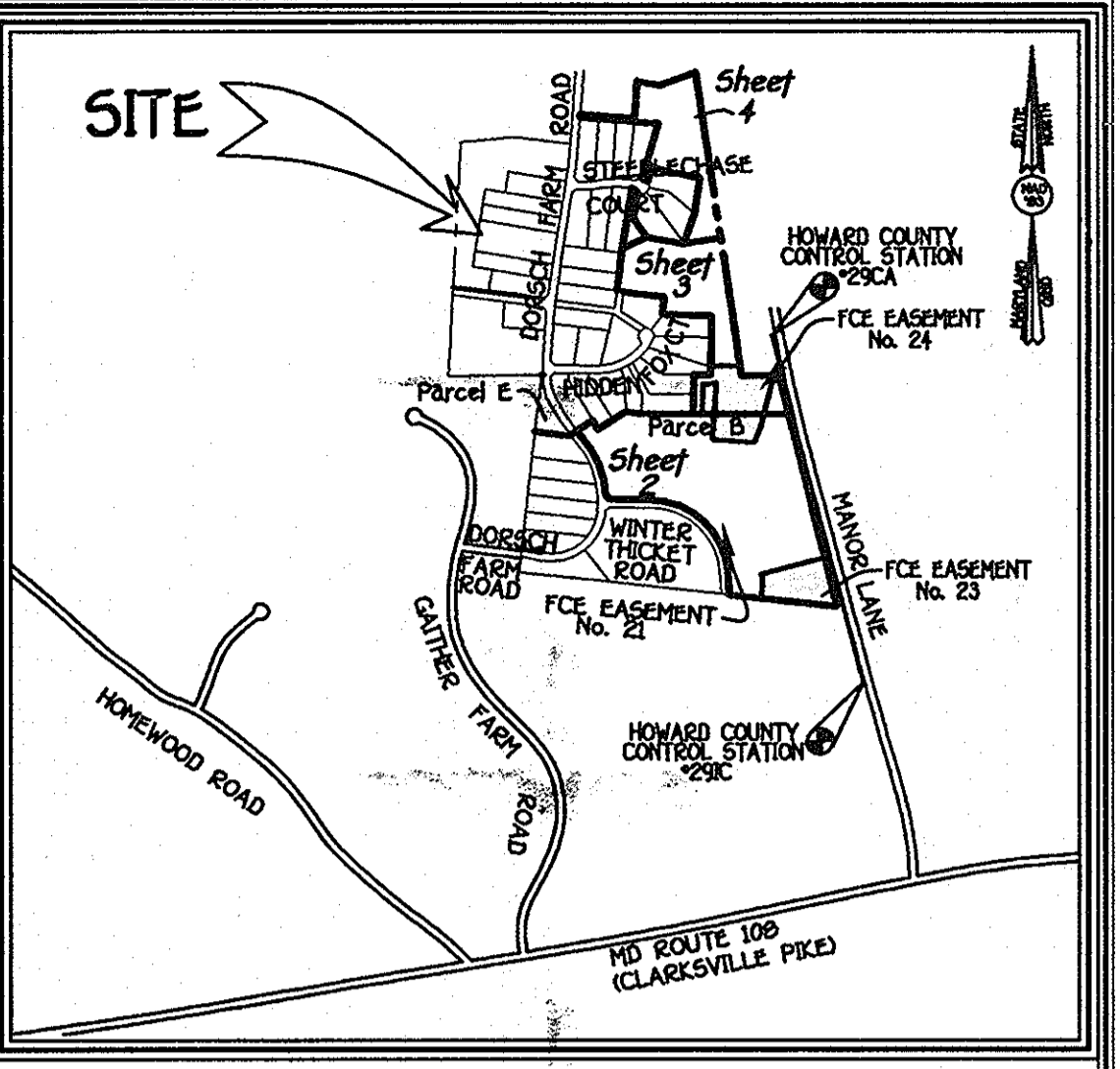
- Maintenance of plantings shall last for a period of 24 months.
- All plant material shall be watered twice a month during the 1st growing season. Watering may be more or less frequent depending on weather conditions. During second growing season, once a month during May-September, if needed.
- Invasive exotics and noxious weeds will be removed from reforestation areas. Old field successional species will be retained.
- Plants will be examined a minimum two times during the growing season for serious plant pests and diseases. Serious problems will be treated with the appropriate agent.
- Dead branches will be pruned from plantings.

Guarantee Requirements

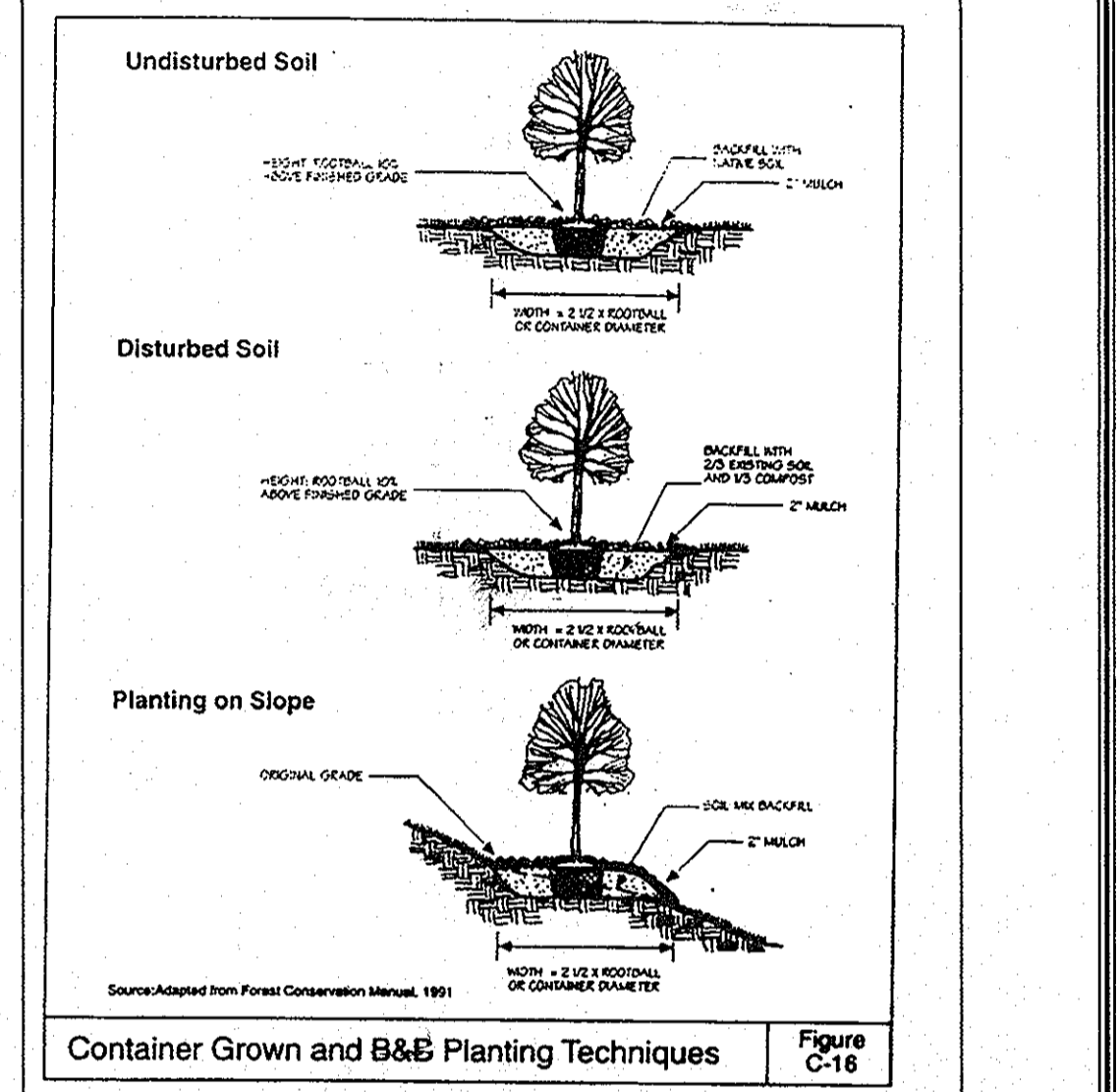
- After one growing season, plant material shall be maintained at 90% survival threshold. A 75 percent survival rate of forestation plantings will be required at the end of the 24 month maintenance period. All plant material below the 75 percent threshold will be replaced at the beginning of the next growing season.
- The contractor will not be liable for plant loss due to theft or vandalism.

Surety for Forestation

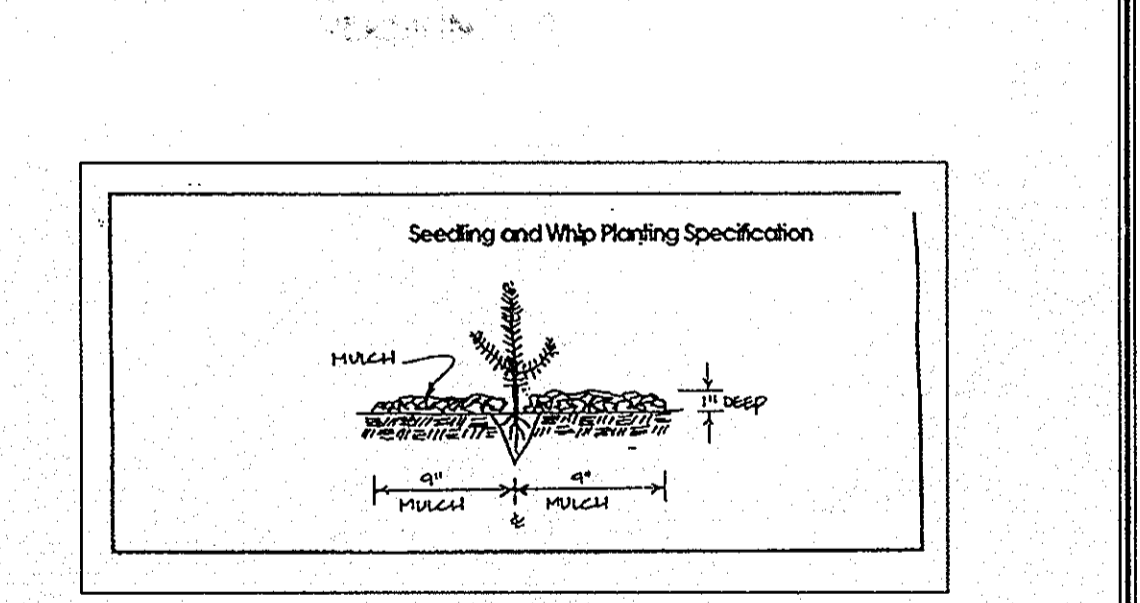
- The developer shall post a surety bond (letter of credit) to ensure that reforestation plantings are completed. Upon acceptance of the plantings by the County, the bond shall be released.
- The forest conservation planting by the amended plat for Gather Hunt, Section 1, Area 1, Non-Buildable Preservation Parcel 'B' provides a total surety in the amount of \$133,729.20 based on 6.14 acres x \$43,560 sq ft / Acres x \$4,500/sq ft.
- The forest conservation surety is included in the developer's agreement for F-04-105.



VICINITY MAP
SCALE: 1" = 1200'



Container Grown and B&E Planting Techniques Figure C-16



Seeding and Whip Planting Specification

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
410.481.2955

No.	Revision	Date
1	Revise sheet number	10-2-06

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Hamula 11/29/04
CHIEF, DIVISION OF LAND DEVELOPMENT
John P. Canoles 11/27/04
CHIEF, DEVELOPMENT ENGINEERING DIVISION

OWNER
MANOR LANE GOLF, LLC
c/o MR. J. THOMAS SCRIVENER
SUITE 209
8808 CENTRE PARK DRIVE
COLUMBIA, MARYLAND 21045

DEVELOPER
WAVERLY WOODS DEVELOPMENT CORPORATION
c/o MR. DONALD BELINDER
8000 MAIN STREET
ELICOTT CITY, MARYLAND 21043

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS

MD DNE Qualified Professional
USACE Wetland Delimitation
Certification # WDCP9300610048
John P. Canoles
JOHN P. CANOLES

GTW'S WAVERLY WOODS
OFF-SITE FOREST CONSERVATION PLAN,
FOREST CONSERVATION NOTES AND DETAILS

PROPERTY OF
MANOR LANE GOLF, LLC
(GATHER HUNT, SECTION 1, AREA 1, NON-BUILDABLE
PRESERVATION PARCEL - PLAT NOS. 13200 THRU 13210)
ZONING RE-DEO

TAX MAP No: 29 PARCEL: 21 GRID No: 11
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' DATE: NOVEMBER 2, 2004
SHEET 11 OF 19

F.04.105

FOREST CONSERVATION EASEMENT TABLE

*FIGURES IN ACRES (Planting areas WEST of DNR lease boundary)

FCE #	FORESTED WETLANDS	UPLAND FOREST	RIPARIAN FOREST	FOREST RETENTION	TOTAL
FCE #1				3.45	3.45
FCE #2	2.72				2.72
FCE #3	3.82				3.82
FCE #4			3.35		3.35
FCE #5	5.23				5.23
FCE #6	1.10				1.10
TOTAL	0.0	12.87	3.35	3.45	19.7

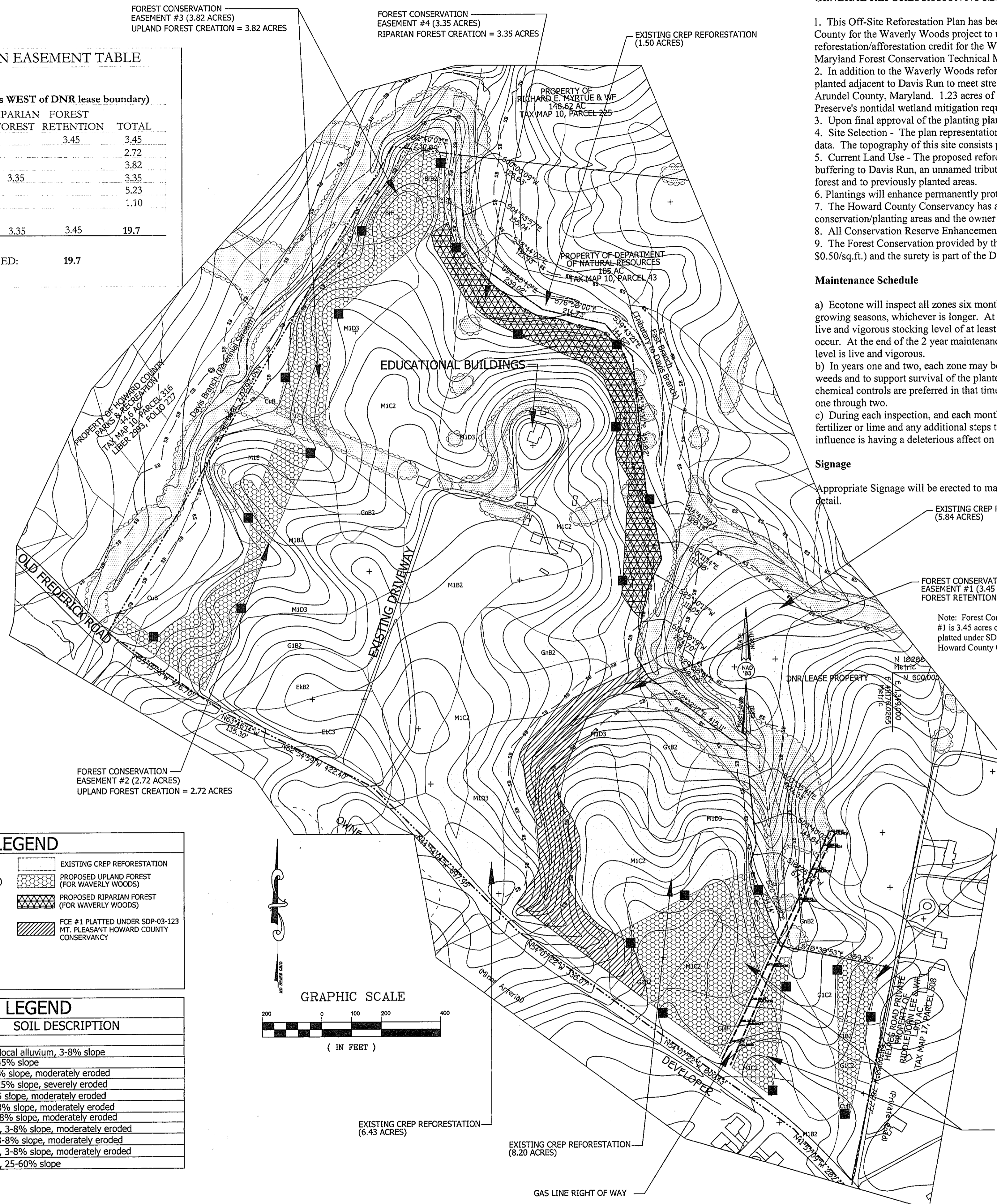
TOTAL FOREST CREATED / RETAINED: 19.7

*FIGURES FOR WAVERLY WOODS

FOREST CONSERVATION EASEMENT #3 (3.82 ACRES)
UPLAND FOREST CREATION = 3.82 ACRES

FOREST CONSERVATION EASEMENT #4 (3.35 ACRES)
RIPARIAN FOREST CREATION = 3.35 ACRES

EXISTING CREP REFORESTATION (1.50 ACRES)



GENERAL REFORESTATION NOTES

- This Off-Site Reforestation Plan has been prepared to meet the requirements of the Maryland Forest Conservation Act and Howard County for the Waverly Woods project to meet its overall Forest Conservation Obligations. The project provides a total of 16.22 acres of reforestation/afforestation credit for the Waverly Woods project. This plan was prepared according to the requirements of the State of Maryland Forest Conservation Technical Manual (3rd Edition, 1997), and the Howard County Forest Conservation Manual (June 7, 1999).
- In addition to the Waverly Woods reforestation acreage to be planted (16.22 acres), an additional 4 acres of riparian forest will be planted adjacent to Davis Run to meet stream restoration mitigation requirements for the Arundel Preserve project located in Anne Arundel County, Maryland. 1.23 acres of nontidal wetlands within the floodplain of Davis Run will be created to meet Arundel Preserve's nontidal wetland mitigation requirements set forth by the Maryland Department of the Environment.
- Upon final approval of the planting plan, forest conservation easements are to be recorded on all areas specified in the planting plan.
- Site Selection - The plan representation for the reforestation site has been prepared by Ecotone, Inc. using Howard County mapping data. The topography of this site consists primarily of steep slopes adjacent to headwater streams and associated wetlands.
- Current Land Use - The proposed reforestation site currently is a fallow field. Completion of the reforestation will provide substantial buffering to Davis Run, an unnamed tributary to the Patapsco River, and will add additional contiguous forest acreage to existing mature forest and to previously planted areas.
- Plantings will enhance permanently protect open space at the Mount Pleasant property.
- The Howard County Conservancy has a written and signed agreement with Ecotone to utilize the proposed planting areas as forest conservation/planting areas and the owner agrees to the long term use restrictions on the reforestation areas.
- All Conservation Reserve Enhancement Program (CREP) areas are in rental easements.
- The Forest Conservation provided by this plan provides a surety in the amount of \$353,271.60 (16.22 acres x 43,560 sq. ft. x \$0.50/sq.ft.) and the surety is part of the Developer's Agreement.

Maintenance Schedule

- Ecotone will inspect all zones six months after planting, and bi-annually each year thereafter for a total period of 2 years or two growing seasons, whichever is longer. At the end of the six month and one year inspection, the contractor will replant in order to have a live and vigorous stocking level of at least 75% of the original amount. If live and viable stock is at or above 75%, no replanting will occur. At the end of the 2 year maintenance period, Ecotone will request a County inspection to ensure that 75% of the original stocking level is live and vigorous.
- In years one and two, each zone may be maintained by either mowing or chemical treatment as needed to control noxious and invasive weeds and to support survival of the planted trees and shrubs. Mowing will not occur during the upland game nesting period and chemical controls are preferred in that time frame. Noxious weeds, and invasive species will be controlled by the contractor from years one through two.
- During each inspection, and each month following planting, Ecotone will evaluate the need for additional watering, additional fertilizer or time and any additional steps to control competing vegetation. Ecotone will also assess any disease potential or if any outside influence is having a deleterious affect on the reforestation site.

Signage

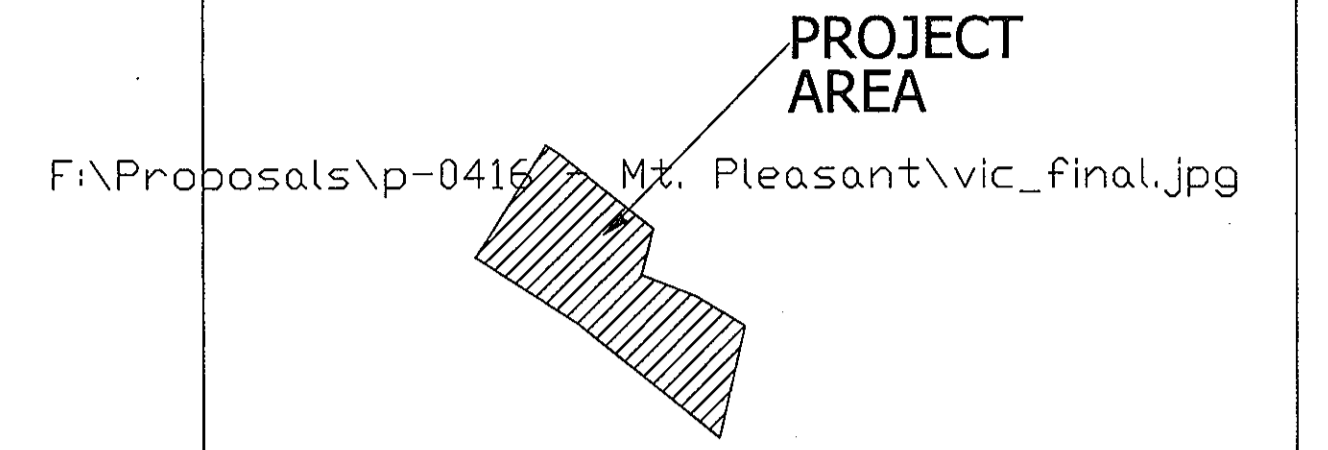
Appropriate Signage will be erected to mark the reforestation site and to warn the public of the requirements of the reforestation area. See detail.

EXISTING CREP REFORESTATION (5.84 ACRES)

FOREST CONSERVATION EASEMENT #1 (3.45 ACRES)
FOREST RETENTION = 3.45 ACRES
Note: Forest Conservation Easement #1 is 3.45 acres of Forest Retention planted under SDP-03-123, Mt. Pleasant Howard County Conservancy.

FOREST CONSERVATION EASEMENT #6 (1.10 ACRES)
UPLAND FOREST CREATION = 1.10 ACRES

FOREST CONSERVATION EASEMENT #5 (5.23 ACRES)
UPLAND FOREST CREATION = 5.23 ACRES



Copyright ADC The Map People
Permitted Use Number 3000116



UPLAND FOREST PLANTING SCHEDULE: 12.87 ACRES (FCE No. 2,3,5, AND 6)

Quantity	Scientific Name	Common Name	Size	Condition	Spacing
500	Liriodendron tulipifera	Tulip Poplar	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Acer rubrum	Red Maple	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Quercus rubra	Northern Red Oak	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Quercus alba	White Oak	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Prunus serotina	Black Cherry	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Carya tomentosa	Mockernut Hickory	3-5' Seedlings/Whips	Container	11' Random Spacing
500	Carya glabra	Pignut Hickory	3-5' Seedlings/Whips	Container	11' Random Spacing
502	Nyssa sylvatica	Black Gum	3-5' Seedlings/Whips	Container	11' Random Spacing
503	Amelanchier canadensis	Serviceberry	3-5' Seedlings/Whips	Container	11' Random Spacing
Total:	4,505				

RIPARIAN FOREST BUFFER PLANTING SCHEDULE: 3.35 ACRES (FCE No. 4)

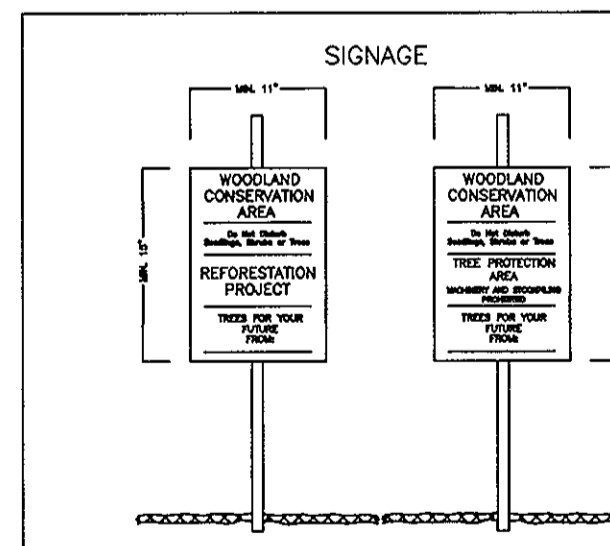
Quantity	Scientific Name	Common Name	Size	Condition	Spacing
130	Platanus occidentalis	Sycamore	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Acer rubrum	Red Maple	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Celtis occidentalis	Hackberry	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Quercus phellos	Willow Oak	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Quercus palustris	Pin Oak	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Betula nigra	River Birch	3-5' Seedlings/Whips	Container	11' Random Spacing
130	Acer saccharum	Sugar Maple	3-5' Seedlings/Whips	Container	11' Random Spacing
132	Salix nigra	Black Willow	3-5' Seedlings/Whips	Container	11' Random Spacing
132	Amelanchier canadensis	Serviceberry	3-5' Seedlings/Whips	Container	11' Random Spacing
Total:	1,174				

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 11/5/06 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT *[Signature]* 11/9/06 DATE

OWNER / DEVELOPER
 HOWARD COUNTY CONSERVANCY, INC.
 BOARD OF TRUSTEES
 c/o JAMES MOXLEY
 P.O. BOX 175
 WOODSTOCK, MARYLAND 21163
 (410) 465-8877

AREA TAX MAP 10 PARCEL 315 ZONED RC-DEO
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND



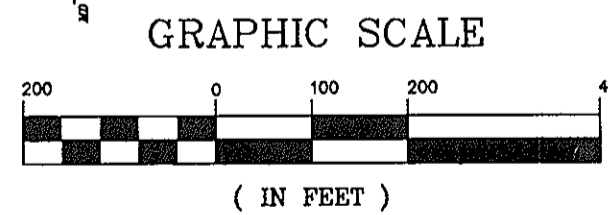
NOTE:
 1. Attachment of signs to trees is prohibited.
 2. Signs should be properly maintained.
 3. Avoid injury to roots when placing posts for the signs.
 4. Signs should be posted to be visible to all construction personnel from all directions.
 5. Secure sign locations.

LEGEND

---	PROPERTY LINE	---	EXISTING CREP REFORESTATION
---	EXISTING CONTOURS (5')	---	PROPOSED UPLAND FOREST (FOR WAVERLY WOODS)
---	EXISTING STREAMS	---	PROPOSED RIPARIAN FOREST (FOR WAVERLY WOODS)
---	EXISTING CONDITIONS	---	FCE #1 PLATTED UNDER SDP-03-123 MT. PLEASANT HOWARD COUNTY CONSERVANCY
---	EXISTING SOILS		
---	DNR LEASE BOUNDARY PHASE II AREAS		
---	EXISTING TREELINE		
---	EXISTING FOREST		

SOILS LEGEND

SYMBOL	SOIL DESCRIPTION
Co	Codorus silt loam
CuB	Comus silt loam, local alluvium, 3-8% slope
M1E	Manor loam, 25-45% slope
M1B2	Manor loam, 3-8% slope, moderately eroded
M1D3	Manor loam, 15-25% slope, severely eroded
M1C2	Manor loam, 8-15 slope, moderately eroded
G1B3	Glenelg loam, 3-8% slope, moderately eroded
G1B2	Glenelg loam, 3-8% slope, moderately eroded
GnB2	Glenville silt loam, 3-8% slope, moderately eroded
EkB2	Elioak silt loam, 3-8% slope, moderately eroded
BrB2	Brandywine loam, 3-8% slope, moderately eroded
BrF	Brandywine loam, 25-60% slope



EXISTING CREP REFORESTATION (6.43 ACRES)

EXISTING CREP REFORESTATION (8.20 ACRES)

GAS LINE RIGHT OF WAY

**OFF-SITE FOREST MITIGATION PLAN
 MOUNT PLEASANT/
 HOWARD COUNTY CONSERVANCY
 FOR WAVERLY WOODS
 (F-04-105)**

PLAN PREPARED FOR:
 WAVERLY WOODS
 (F-04-105)
 TAX MAP 16, GRID 5 & 10
 PARCELS 417, 418, 424 & 435
 AUGUST, 2006

PLAN PREPARED BY: <i>[Signature]</i> KL#3085	DATE: 6/2006
DRAWN BY: LMS	SIGNATURE
DATE: 8/21/06	REVISION: REVISE SHEET NUMBER

ECOTONE, INC.

ENVIRONMENTAL CONSULTING, PERMITTING & DESIGN,
 FOREST & WETLAND CREATION
 STREAM RESTORATION

P.O. Box 5 • 1204 BALDWIN MILL ROAD • JARRETTSVILLE, MARYLAND 21084
 (410) 692-7500 • FAX (410) 692-7503 • E-MAIL INFO@ECOTONEINC.COM

SHEET 12 OF 13

F.04.105



UTILITY NOTIFICATION
 Ecotone, Inc. makes no representation as to the existence or non-existence of any utilities at the construction site. Shown on these construction drawings are those utilities which have been identified. It is the responsibility of the landowners or operators and contractors to assure themselves that no hazard exists or damage will occur to utilities. It is suggested that Miss Utility be contacted at: 1-800-257-7777."

FOREST PLANTING SPECIFICATIONS

Quality Assurance

- Names of plant material listed conform generally with names accepted by the nursery trade. The contractor is to provide stock true to botanical/scientific name. Ecotone, Inc. reserves the right to reject any and all plant material.
- Material shall be grown and delivered so as to be that specified herein.
- If specified material is not available, the contractor shall contact Ecotone, Inc. at (410) 692-7500 for permission to use equivalent material subject to written approval by Howard County Planning and Zoning.

Site Preparation and Soils

- Disturbance to existing soils should be limited to the Planting Area for each plant unless the area has been prepared with/for soil amendments and/or broadcast seeding for ground covers, etc.
- Soil amendments should be considered for any site only after careful analysis of existing conditions. Soil samples should be analyzed by a qualified soils lab to determine the need for any amendments. Results of the soil analysis should be provided to the landscaping contractor and to Ecotone. Recommendations from the County Co-operative Extension Agent should be followed closely. In the case of highly compacted sites that need only soil aeration or loosening treatment, a mixture of 25% leaf mold and 25% manure, the remainder being landscape topsoil, may be added. This mixture should be applied at the rate of one cubic yard per 165 square feet of area. Till deeply taking care not to bring sub-soils to the surface. Amendments should be filled in after the initial tilling. This method is particularly suitable when broadcast seeding or perennial beds are involved.
- Soil mix for ericaceous material: Native topsoil into which the contractor shall thoroughly incorporate 25% by volume peat moss and 25% leaf mold may be mixed into the soil.

Plant Storage and Inspection

- For container grown nursery stock, planting should occur as soon as possible after delivery to the site.
- Planting stock should be inspected prior to planting. Plants not conforming to standard nurseryman specifications for size, form, and vigor, roots, trunk wounds, insects, and disease should be replaced.

Seasonal Planting Limitations

- Planting activities shall conform with established nurseryman's practice and approximate growing season for the geographic area.
- Planting shall not take place in sub-freezing temperatures, when the ground is frozen, or when the soil is too wet or dry or otherwise in a condition not generally accepted as satisfactory for planting and that may adversely affect plant materials.

Plant Materials

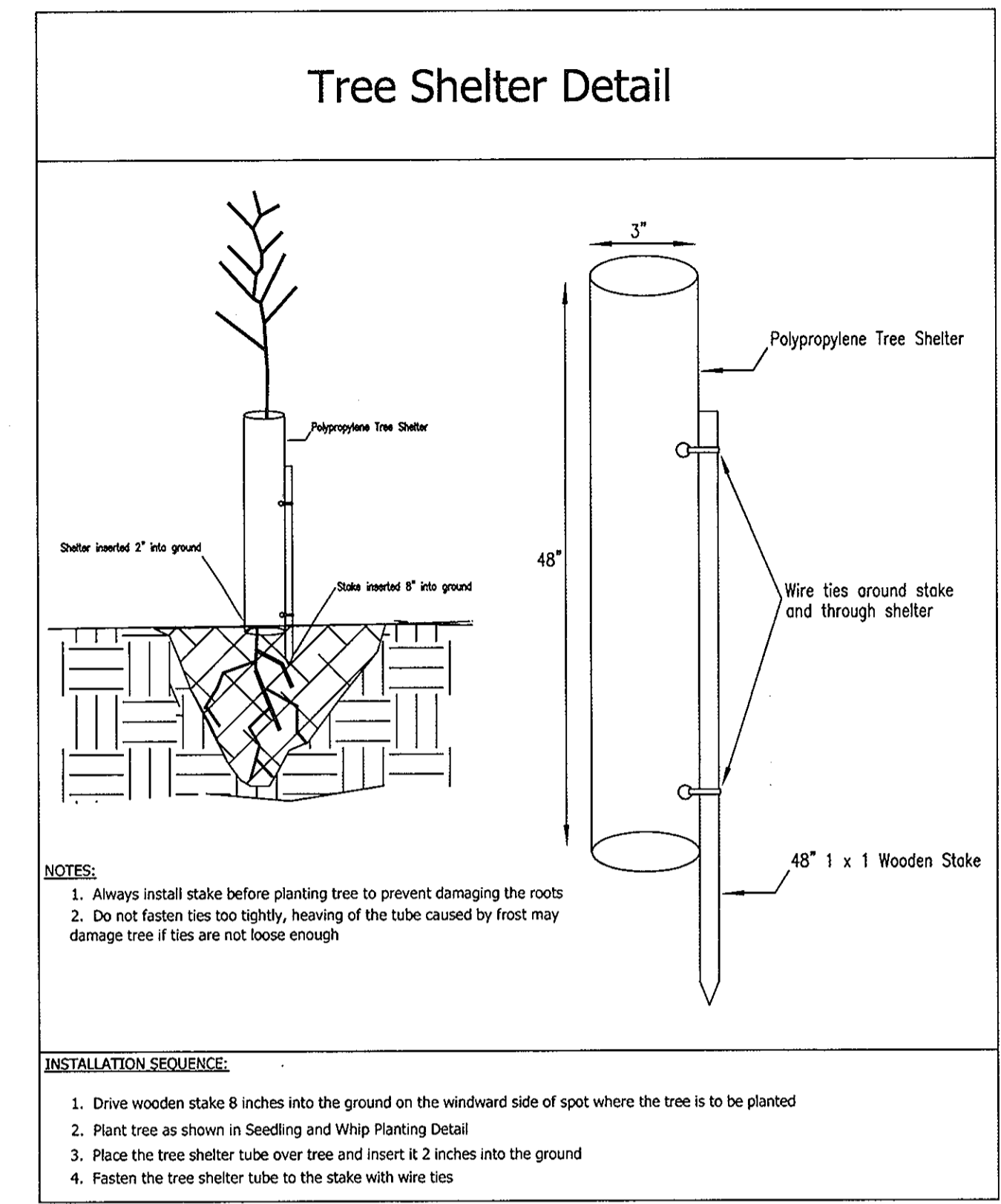
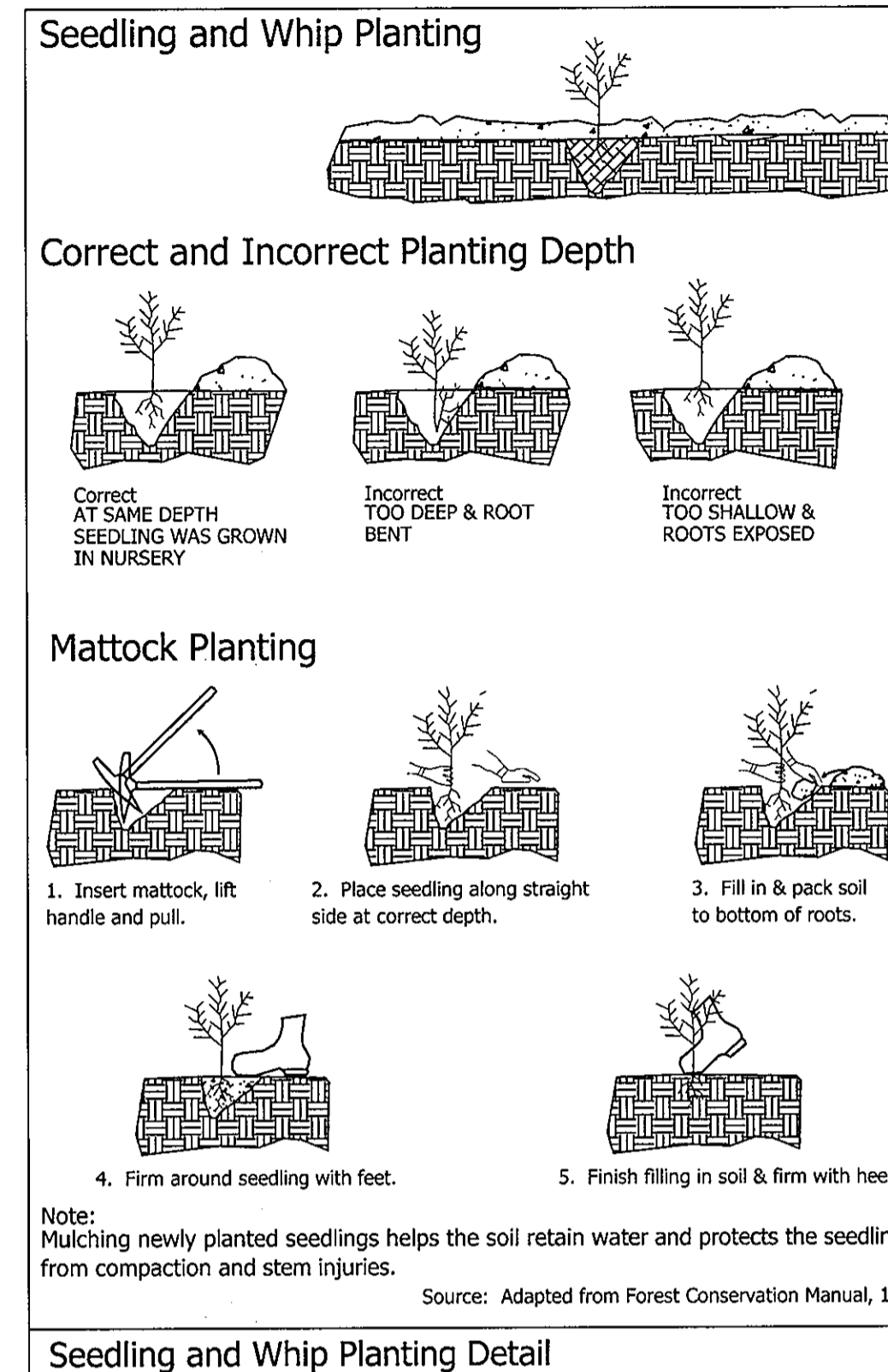
- Plants supplied shall conform in all respects to the current edition of the **American Standard for Nursery Stock (ANSI 260.1)**. They shall be first class representatives of their species and varieties, nursery grown in accordance with good horticultural practice and grown under climatic conditions similar to those in the locality of the project.
- Plants shall be sound, vigorous, and healthy, well-branched, and densely foliated when in leaf. They shall be free of disease and insect pests and shall have healthy, well developed root systems. Trunks and branches shall be free of cuts and abrasions over one inch (1") in any dimension. Plants in leaf shall be sprayed with anti-desiccant immediately before digging to film the leaves, branches and twigs.
- Shade trees with broken, damaged, or multiple leaders will be rejected.
- Containerized plants shall be dug with a firm natural root-ball. Plants with soft, broken, damaged, or multiple leaders will be rejected.
- All plants shall be certified pest free by the Maryland Department of Agriculture or their state of origin.

Planting Methods

- Avoid planting in a straight grid pattern. Trees shall be planted on an average spacing of 11', planted at a rate of 350 stems/acre, with a random pattern to mimic natural plant communities.
- Native stockpiled soils should be used to backfill Planting Field except where soil amendments are site-wide and specific. After plant placement in hole, move stock around in hole to allow settling of initial fill, eliminating all air pockets. Finish filling hole and use water to further settle soil backfilled around trees. Mulch with composted wood chips (>1 year composting). Mulch should be 3" deep and extend to limits of augured hole. This should keep weeds down for about one year.
- Newly planted trees will be watered, fertilized, protected by tree shelters, or be subject to pesticide application to control invasives for competitors at the discretion of the planting contractor.
- The landscape contractor is responsible for the location of all existing underground utilities such that the repair of utilities damaged during planting shall be at the landscape contractor's expense.
- Newly planted trees may need watering as much as once a week for the entire growing season on well drained sites combined with the looseness of the backfilled, newly amended soil within the Planting Field. The next two years may require watering only a few times a year during summer and dry months. After that period, trees should only need water in severe droughts. Any watering plan should compensate for recent rainfall patterns.
- Do not fertilize newly planted trees within the first growing season after planting. Doing so may cause a spurt of canopy growth that the roots cannot support and add additional shock to the already disturbed plant. Fertilize by sidecasting after one year, if desirable.
- If and when it is time to fertilize, organic fertilizers are preferred to synthetic fertilizers. Bone meal or seaweed-based products are available commercially and are recommended. They have the ability to supply nutrients to the plant as needed while minimizing the risk of excess nutrients entering the forest system and water supply.
- All tags, labels, string, wire, etc., shall be removed from plant material only after they have survived any warranty period required.

Maintenance Schedule

- Ecotone, Inc. will inspect all planted areas six months after planting, and bi-annually each year thereafter for two years. At the end of the six month and one year inspection, Ecotone will replant in order to have a live and vigorous stocking level of at least 75% of the original amount. If live and viable stock is at or above 75%, no replanting will occur. At the end of the two year maintenance period, Ecotone will request a County inspection to ensure that 75% of the original stocking level is live and vigorous.
- In years one and two, each planted area may be maintained by either mowing or chemical treatment as needed to control noxious and invasive weeds and to support survival of the planted trees and shrubs. Mowing will not occur during the upland game nesting period and chemical controls are preferred in that time frame. Noxious weeds, and invasive species will be controlled by Ecotone during years one and two.
- During each inspection, and each month following planting, Ecotone will evaluate the need for additional watering, additional fertilizer or lime and any additional steps to control competing vegetation. Ecotone will also assess any disease potential or if any outside influence is having a deleterious affect on the mitigation sites.

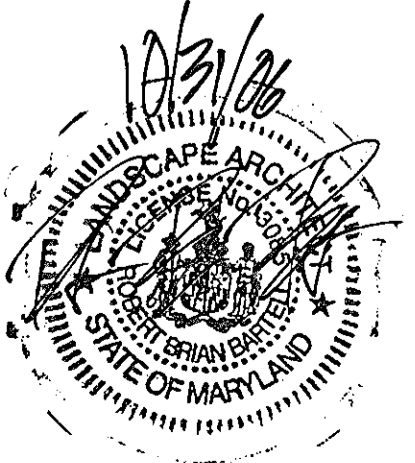


I:\007\007\007-3003 final plans - waverly woods reforestation.dwg, 10/30/2006 8:52:17 AM, 1:1

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 11/5/06
DIRECTOR

[Signature] 11/9/06
CHIEF, DIVISION OF LAND DEVELOPMENT



OFF-SITE FOREST MITIGATION PLAN
MOUNT PLEASANT/
HOWARD COUNTY CONSERVANCY
FOR WAVERLY WOODS
(F-04-105)

PLAN PREPARED FOR:
WAVERLY WOODS
(F-04-105)
TAX MAP 16, GRID 5 & 10
PARCELS 417, 418, 424 & 435
AUGUST, 2006

PLAN PREPARED BY: <i>[Signature]</i> PRETELL, PLA #3085	DATE: 6/2006
DRAWN BY: LMS	SIGNATURE
DATE 8/21/06	REVISION △ REVISE SHEET NUMBER

ECOTONE, INC.

ENVIRONMENTAL CONSULTING, PERMITTING & DESIGN,
 FOREST & WETLAND CREATION
 STREAM RESTORATION

P.O. Box 5 • 1204 BALDWIN MILL ROAD • JARRETTSVILLE, MARYLAND 21084
 (410) 692-7500 • FAX (410) 692-7503 • E-MAIL INFO@ECOTONEINC.COM

△
SHEET 13 OF 13

F-04-105