

SHEET INDEX		
COVER SHEET	DESCRIPTION	SHEET No.
PRELIMINARY PLAN		1 of 7
PRELIMINARY PLAN		2 of 7
SCHEMATIC GRADING, LANDSCAPE & SEDIMENT CONTROL		3 of 7
SCHEMATIC GRADING, LANDSCAPE & SEDIMENT CONTROL		4 of 7
SCHEMATIC GRADING, LANDSCAPE & SEDIMENT CONTROL		5 of 7
FOREST CONSERVATION PLAN		6 of 7
FOREST CONSERVATION PLAN		7 of 7

CENTERLINE ROAD CURVE DATA				
CURVE #	ROAD STATIONS	DELTA	RADIUS	ARC LENGTH
C-1	4+93.46 to 6+76.72 - Road 'B'	70°00'00"	150.00'	183.26'
C-2	7+40.12 to 9+23.38 - Road 'B'	70°00'00"	150.00'	183.26'
C-3	10+54.47 to 11+76.64 - Road 'B'	70°00'00"	100.00'	122.17'
C-4	14+56.96 to 15+74.13 - Road 'B'	70°00'00"	100.00'	122.17'
C-5	16+80.84 to 17+51.13 - Road 'B'	45°00'00"	100.00'	78.54'
C-6	1+27.02 to 3+10.28 - Road 'C'	70°00'00"	150.00'	183.26'
C-7	4+26.84 to 6+10.15 - Road 'C'	70°00'00"	150.00'	183.26'
C-8	10+25.96 to 11+76.68 - Road 'C'	70°00'00"	125.00'	152.72'
C-9	11+92.31 to 12+75.23 - Road 'C'	47°30'35"	100.00'	82.92'
C-10	14+35.08 to 15+13.62 - Road 'C'	45°00'00"	100.00'	78.54'

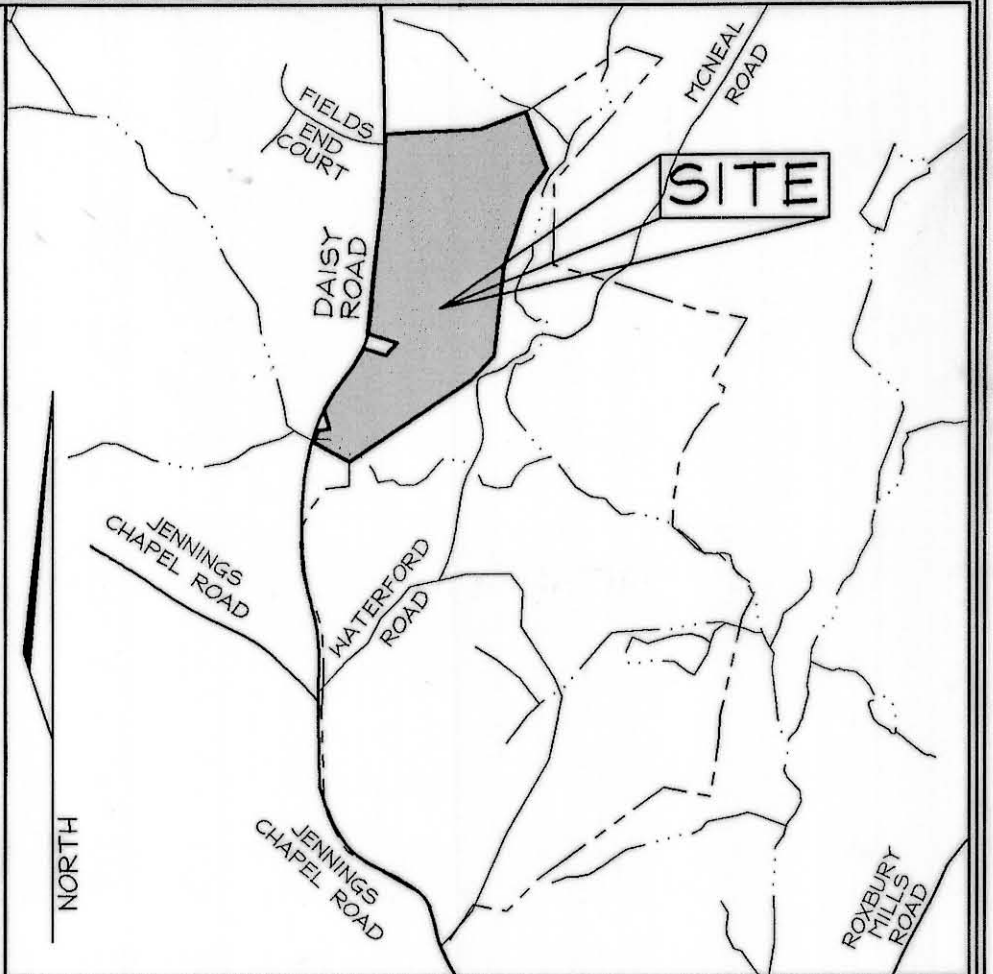
ROAD CLASSIFICATION		
ROAD NAME	CLASSIFICATION	R/W
ROAD 'A'	MINOR COLLECTOR	50'
ROAD 'B'	PUBLIC ACCESS PLACE	40'
ROAD 'C'	PUBLIC ACCESS PLACE	40'
ROAD 'D'	PUBLIC ACCESS PLACE	40'

MINIMUM LOT SIZE CHART			
LOT NO.	GROSS AREA	PIFESTEM AREA	MINIMUM LOT SIZE
11	59,483 sq.ft.	3,105 sq.ft.	56,378 sq.ft.
12	59,548 sq.ft.	3,153 sq.ft.	56,395 sq.ft.
14	46,456 sq.ft.	633 sq.ft.	45,823 sq.ft.
15	51,953 sq.ft.	1,487 sq.ft.	50,466 sq.ft.
16	52,427 sq.ft.	652 sq.ft.	51,775 sq.ft.
17	53,304 sq.ft.	640 sq.ft.	52,664 sq.ft.
21	56,930 sq.ft.	4,032 sq.ft.	52,898 sq.ft.
38	50,304 sq.ft.	518 sq.ft.	49,786 sq.ft.
39	59,912 sq.ft.	1,339 sq.ft.	58,573 sq.ft.
40	49,572 sq.ft.	1,325 sq.ft.	48,247 sq.ft.
41	43,919 sq.ft.	565 sq.ft.	43,354 sq.ft.

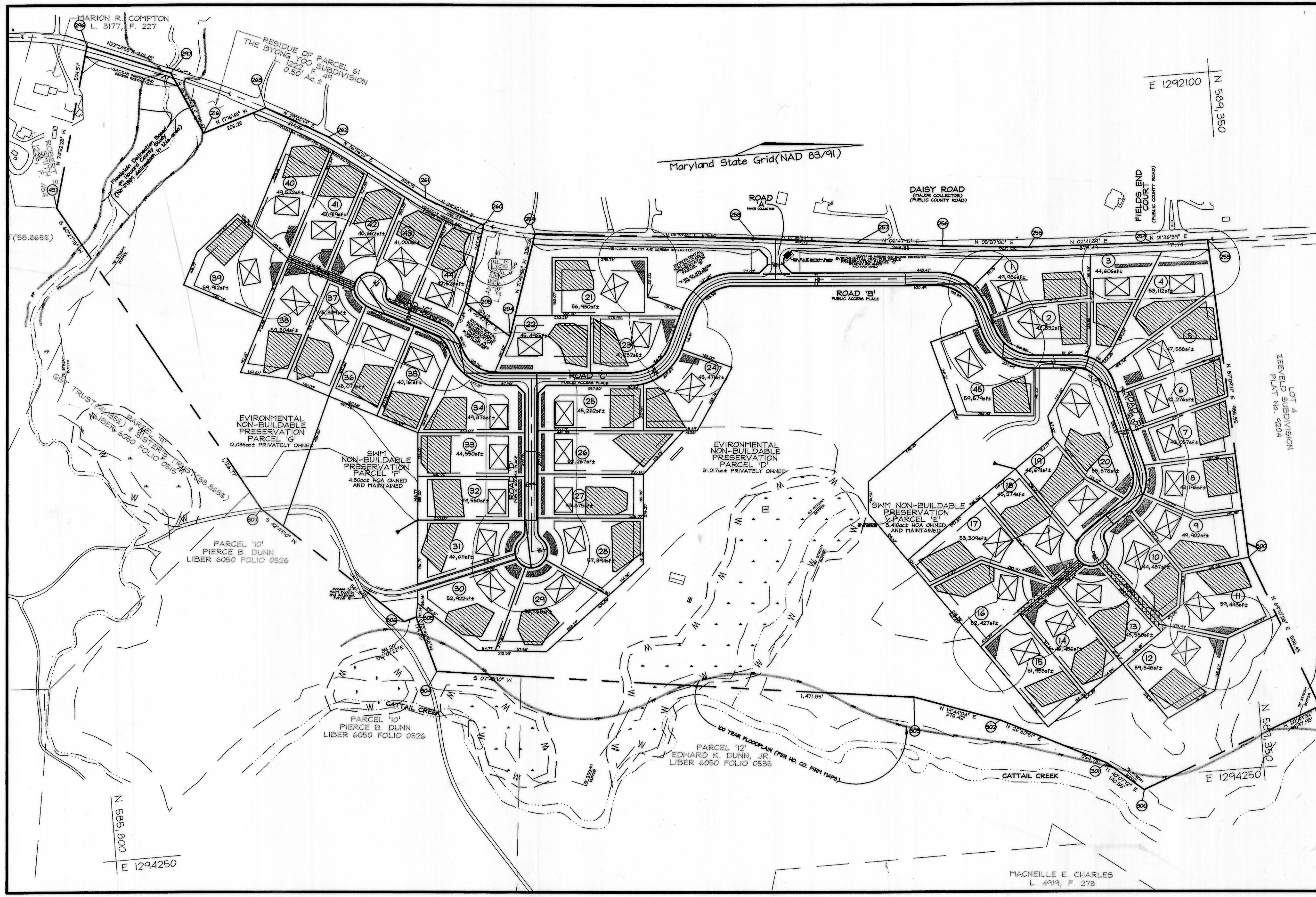
COORDINATE TABLE		
POINT NO.	NORTH	EAST
204	587140.2959	1292734.3942
205	587012.2440	1292623.8988
216	586247.5024	1292034.5920
252	589535.9560	1294076.1850
253	589306.0910	1292613.6260
254	589134.4190	1292608.7980
255	588755.3460	1292590.7600
256	588490.6630	1292564.9300
257	588224.1950	1292533.2150
258	587914.2360	1292491.8890
259	587242.0120	1292425.4520
260	587086.1010	1292387.2460
261	586913.7280	1292289.6710
262	586631.4620	1292077.4450
263	586444.4380	1291973.3260
296	585909.5903	1291738.6982
297	586161.4720	1291842.5070
300	588977.0702	1294288.7709
301	588869.3590	1294198.0060
302	588551.9200	1294039.6390
303	588291.7337	1293946.3029
304	586833.2220	1293748.5980
305	586783.2140	1293576.7250
306	586745.5401	1293587.5442
307	586333.6135	1293205.8341
431	585777.9833	1292225.5908
500	589355.1899	1293600.9534

PRELIMINARY PLANS WATERFORD FARMS

LEGEND	
EXISTING CONTOURS	--- 552
PROPOSED HOUSE SITE	[Symbol]
PROPOSED SEPTIC AREA	[Symbol]
PROPOSED WELL AREA	[Symbol]
15-24.9% SLOPES	[Symbol]
25% AND GREATER SLOPES	[Symbol]
WETLANDS	[Symbol]
USE IN COMMON ACCESS ESM'T	[Symbol]
SILT FENCE	[Symbol]
LIMIT OF DISTURBANCE	[Symbol]



- ### GENERAL NOTES
- SUBJECT PROPERTY ZONED "RC DEO" PER 9/18/92 COMPREHENSIVE ZONING PLAN.
 - PRIVATE WATER AND SEWER TO BE UTILIZED.
 - SOILS MAP No. 12.
 - GROSS AREA OF SITE SUBJECT TO SUBDIVISION: 110,500 sq. ft.
 - TOTAL AREA OF FLOODPLAIN: 2.01 ac. (EXCLUDING OVERLAPPING STEEP SLOPE AREAS).
 - TOTAL AREA OF STEEP SLOPES: 15.42 ac. (INCLUDES OVERLAPPING FLOODPLAIN AREAS).
 - NET AREA OF SITE SUBJECT TO SUBDIVISION: 92.99 ac.
 - AREA OF PROPOSED PUBLIC R/W: 6.28 ac.
 - NUMBER OF PROPOSED LOTS: 45
 - AREA OF PROPOSED BUILDABLE LOTS: 50.15 ac.
 - NUMBER OF PROPOSED NON-BUILDABLE PRESERVATION PARCELS: 7
 - AREA OF PROPOSED NON-BUILDABLE PRESERVATION PARCELS: 54.07 ac.
 - DENSITY CALCULATIONS:
 - TOTAL NUMBER OF UNITS ALLOWED:
 - BY OPEN DENSITY = 10,542.25 = 26 UNITS
 - TOTAL NUMBER OF UNITS ALLOWED WITH CED OPTION = 92,992 = 46 UNITS
 - NUMBER OF CED UNITS REQUIRED: 45-26 = 19 UNITS
 - TOPOGRAPHY IS BASED ON AN AERIAL TOPOGRAPHIC SURVEY PERFORMED BY HARFORD AERIAL SURVEYS, INC. ON FEBRUARY 2, 2001.
 - A.P.F.O. TRAFFIC STUDY PREPARED BY STREET TRAFFIC STUDIES L.T.D. AND APPROVED UNDER 5-01-33.
 - OPERATING SPEED STUDY ALONG DAISY ROAD PREPARED BY STREET TRAFFIC STUDIES L.T.D.
 - WETLANDS DELINEATION AND REPORT AND FOREST STANDED DELINEATION AND REPORT PREPARED BY EXPLORATION RESEARCH INC. APPROVED UNDER 5-01-33.
 - THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES ON-SITE WITHIN THE LIMITS OF THE SUBDIVISION BOUNDARY (110,500 SQ. FT.).
 - OPEN SPACE REQUIREMENTS:
 - 110.5 ACRES x 5% = 5,525 SQ. FT.
 - NON-BUILDABLE PRESERVATION PARCELS, THAT ARE PROPOSED TO BE OWNED AND MAINTAINED BY THE H.O.A., WILL FULFILL THE OPEN SPACE REQUIREMENTS.
 - IN ACCORDANCE WITH SECTIONS 16.115.d AND 16.116.4, NON-CRITICAL FLOODPLAINS AND WETLANDS NEED NOT BE DELINEATED IN A RURAL CLUSTER SUBDIVISION. THE WETLANDS AND FLOODPLAIN ARE SHOWN ON THIS PLAN FOR THE PURPOSE OF DETERMINING FOREST CONSERVATION OBLIGATIONS AND DENSITY. THE FLOODPLAIN SHOWN IS BASED ON A STUDY PERFORMED BY HOWARD COUNTY AS SHOWN ON SHEETS GC-01R-T-33-33, GC-01R-T-32-31, AND GC-01R-T-32-30 AND FEMA MAPS.
 - FIELD RUN BOUNDARY SURVEY PREPARED BY C.B. MILLER AND ASSOCIATES IN FEBRUARY 2001.
 - GROUNDWATER APPROPRIATION PERMIT No. H02002005 (01) HAS BEEN ISSUED.
 - MINIMUM 30' DISTANCE BETWEEN WELL AND HOUSE AND MINIMUM 20' DISTANCE BETWEEN HOUSE AND SEPTIC.
 - ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF RECORD PLAN FOR SIGNATURE.
 - THIS PLAN IS SUBJECT TO THE FOURTH EDITION OF THE SUBDIVISION REGULATIONS (3-01-93 HAS SUBMITTED PRIOR TO 11-15-2001) AND TO COUNCIL BILL 50-2001 WHICH AMENDS PORTIONS OF THE ZONING REGULATIONS.
 - PRESERVATION PARCELS 'A', 'B' & 'C' ARE H.O.A. OWNED WITH AGRICULTURAL PRESERVATION BOARD AS EASEMENT HOLDER.
 - PRESERVATION PARCELS 'E' AND 'F' ARE H.O.A. OWNED WITH HOWARD COUNTY AS EASEMENT HOLDER.
 - PRESERVATION PARCELS 'D' AND 'G' ARE PRIVATELY OWNED WITH AGRICULTURAL PRESERVATION BOARD AS EASEMENT HOLDER.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MD DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMPAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE 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 AND SEPTIC SYSTEMS ON ADJACENT PROPERTIES WITHIN 100' OF PROPOSED WELLS AND PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN.
 - ALL PERCOLATION TEST HOLES AND THEIR ELEVATIONS HAVE BEEN FIELD LOCATED BY C.B. MILLER AND ASSOCIATES, REGISTERED LAND SURVEYOR.
 - ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF FINAL PLAN FOR SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAN SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAN. IF A WELL SUCCESS RATE IS ACCOMPLISHED AT VARIOUS LOCATIONS WITHIN THE SITE, THE DEVELOPER SHALL HAVE THE OPTION TO REQUEST RELIEF FROM DRILLING THE REMAINING WELLS PRIOR TO PLAN RECORDATION.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - STREET TREES WILL BE CALCULATED AND SHOWN ON THE FINAL PLAN.
 - LOTS 16 THRU 20, 26 THRU 29 AND 44 WILL BE REQUIRED TO INSTALL SEPTIC SYSTEMS PRIOR TO ISSUANCE OF BUILDING PERMIT.



TENTATIVELY APPROVED
DEPT. OF PLANNING AND
ZONING OF
HOWARD COUNTY

John R. Ritz
PLANNING DIRECTOR
DATE: 10/2/02

1st submittal date: 5-18-02

LOCATION MAP
SCALE: 1"=200'

CATEGORY	SCHEDULE A PERIMETER LANDSCAPE EDGE										SCHEDULE D S.M.M. PERIMETER LANDSCAPING											
	ADJACENT TO ROADWAYS					ADJACENT TO PERIMETER PROPERTIES					CATEGORY					CATEGORY						
Perimeter/Frontage Designation	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Linear Feet of Roadway Frontage/Perimeter	635'	664'	131'	114'	294'	114'	325'	270'	180'	494'	616'	675'	401'	319'	186'	180'	122'	165'	1575'	285'	182'	664'
Credit for Existing Vegetation (Yes, No, Linear Feet. Describe below if needed)	Yes	50'	Yes	131'	Yes	131'	Yes	170'	No	No	Yes	45'	Yes	401'	Yes	262'	Yes	180'	Yes	122'	Yes	165'
Credit for Hedges, Fences or Berms (Yes, No, Linear Feet. Describe below if needed)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Number of Plants Required	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B	150 B
Shade Trees	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B	140 B
Evergreen Trees																						
Shrubs																						

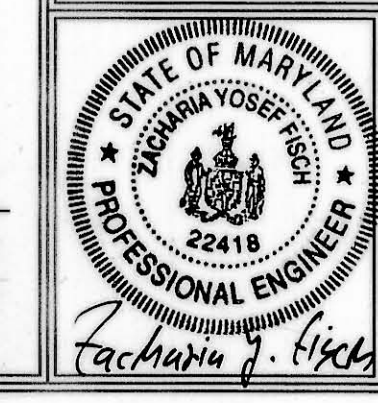
* Credits for perimeter 9 and 14 is for the Shade Tree component only. Evergreen component will be provided in full with no credits.
** The type B perimeter landscaping is for the Evergreen component only, the Shade Tree component will come from the type A perimeter landscape requirement.

CATEGORY	SCHEDULE D S.M.M. PERIMETER LANDSCAPING	
	7	11
Perimeter/Frontage Designation	B	B
Linear Feet of Roadway Frontage/Perimeter	2000'	2,443'
Credit for Existing Vegetation (Yes, No, Linear Feet. Describe below if needed)	1,900'	870'
Credit for Hedges, Fences or Berms (Yes, No, Linear Feet. Describe below if needed)	No	No
Number of Plants Required	150 A	150 A
Shade Trees	140 A	140 A
Evergreen Trees		
Shrubs		

*** The Evergreen component of the type B perimeter landscaping is only required for the S.M.M. areas adjacent to Lots 17-19 and 45.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY
SRK
COUNTY HEALTH OFFICER
DATE: 9/19/02

OWNER/DEVELOPER
GST TRUST (41.135%) & SISTER'S TRUST (58.865%)
3 Wyndam Court
Lutherville, Maryland 21093
410.308.2714

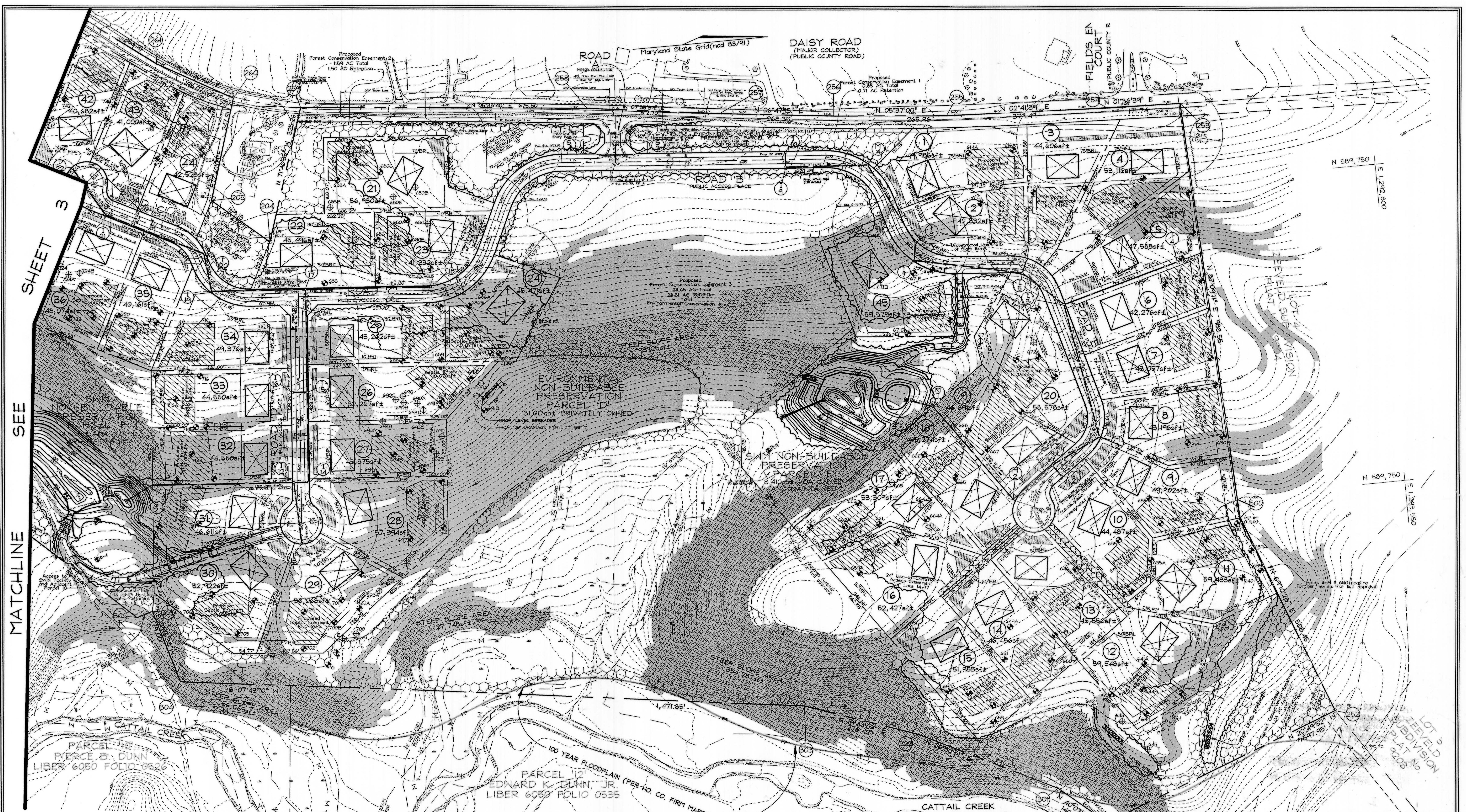


COVER SHEET WATERFORD FARMS (P-02-26)

TAX MAP 13 GRID 24, MAP 20 GRIDS 6 & 12
4TH ELECTION DISTRICT
PARCEL 13
HOWARD COUNTY, MARYLAND


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

DESIGN BY: MLT
DRAWN BY: ZYF
CHECKED BY: ZYF
SCALE: As Shown
DATE: August 2, 2002
W.O. No.: 3006
SHEET No. 1 OF 7




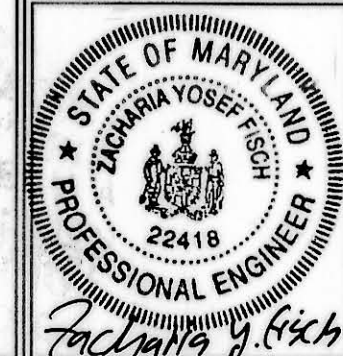
SHEET 3
SEE MATCHLINE

PLAN
SCALE: 1" = 100'

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

 COUNTY HEALTH OFFICER SRK
 9/1/02
 DATE

OWNER/DEVELOPER
 GST TRUST(41.135%) & SISTER'S TRUST(58.865%)
 3 Wynnam Court
 Lutherville, Maryland 21093
 410.308.2714

TENTATIVELY APPROVED
 DEPT. OF PLANNING AND ZONING OF
 HOWARD COUNTY

 PLANNING DIRECTOR
 10/2/02
 DATE

PRELIMINARY PLAN WATERFORD FARMS (P-02-28)	
TAX MAP 13 GRID 24, MAP 20 GRIDS 6 & 12 PARCEL 13 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
 FSH Associates Engineers Planners Surveyors 8318 Forest Street Ellicott City, MD 21043 Tel: 410-750-2251 Fax: 410-750-7350 E-mail: FSHAssociates@cs.com	DESIGN BY: MLT DRAWN BY: MLT CHECKED BY: ZYF SCALE: 1"=100' DATE: August 2, 2002 W.O. No.: 3006 SHEET No.: 2 OF 7

Maryland State Grid(NAD 83/91)

DAISY ROAD
(MAJOR COLLECTOR)
(PUBLIC COUNTY ROAD)

WILLIAM BIANCO
L. 3656, F. 138

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N 582,200

RESIDUE OF PARCEL 61
THE BYONG YOO SUBDIVISION
L. 1222, F. 49
0.50 Ac.±

PARCEL 17

PARCEL 8
GST TRUST (41.35%) & SISTERS TRUST (58.65%)
LIBER 6050 FOLIO 0515

ROBERT S. ADAMS
L. 1017, F. 101
0.50 Ac.±

Floodplain Delineation Based
on Howard County Study
No. 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