

COORDINATES

PT.	NORTH	EAST
562	555,200.1290	786,846.7211
711	554,997.0197	786,134.7293
673	555,025.1208	786,721.9182
679	555,177.5977	786,411.2600
683	554,768.8872	785,889.0373
682	554,272.6665	785,209.4991
710	554,296.4406	785,290.4961
107	554,288.9613	785,291.5907
684	554,306.1904	785,271.6681
686	554,790.5977	785,891.4679
681	555,320.8069	785,994.1840
680	555,666.0021	785,705.9760
679	555,928.9805	785,771.0807
664	556,616.1993	785,965.0417
1079	556,566.9644	786,122.5640
677	556,032.0265	786,405.9264
670	555,222.9124	786,824.8297
669	555,117.2777	786,776.7674
672	555,049.9826	786,742.6599
674	555,215.1152	786,446.4477
676	555,608.2877	786,238.0241
678	555,470.8709	786,255.7620

* NOTE: NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS.

* COORDINATES BASED ON MARYLAND STATE GRID COORDINATE SYSTEM.

100-YEAR FLOODPLAIN LIMITS

LINE	BEARING & DIST.
1	S 24°10'33"W 70.89'
2	S 30°24'35"W 72.39'
3	S 31°07'16"W 65.03'
4	S 48°58'20"W 15.00'
5	S 22°28'22"W 36.08'
6	N 60°56'34"W 60.14'
7	N 26°28'56"E 27.94'
8	N 25°43'31"E 22.21'
9	N 25°43'31"E 66.12'
10	N 29°37'53"E 81.93'
11	N 10°42'02"E 132.49'
12	S 27°55'42"E 101.00'

NOTES: (CONT.)
 19. THE USE - IN-COMMON ACCESS AREA DRIVEWAY FOR LOT 1 AND LOTS 2, 3, AND 4 ECHO ESTATES LIBER. 2328 FOLIO 506 IS TO BE PRIVATELY OWNED AND MAINTAINED.

* NOTES: (CONTINUED)
 UNLESS A PUBLIC ROAD CAN BE CONSTRUCTED ACCORDING TO COUNTY STANDARDS ON A MINIMUM FIFTY (50) FOOT RIGHT-OF-WAY TO BE DEEDED TO THE COUNTY.

LIMIT OF WETLANDS

LINE	BEARING & DIST.
A	S 26°22'22"W 27.39'
B	S 26°48'19"W 82.77'
C	S 47°29'50"W 82.88'
D	N 60°01'30"W 23.91'
E	N 57°09'13"E 121.07'
F	N 18°09'12"E 71.33'
G	S 31°12'41"E 59.06'
H	S 21°28'22"W 36.08'
I	N 60°56'34"W 37.62'
J	N 23°17'14"E 36.15'
K	S 60°34'10"E 30.08'

TOTAL TABULATION THIS SHEET

TOTAL NO. OF LOTS TO BE RECORDED:	3
TOTAL AREA OF LOTS TO BE RECORDED:	1071930 SQ. FT. OR 24.6060 AC.
TOTAL AREA OF ROADWAY TO BE RECORDED:	6,082 SQ. FT. OR 0.1396 AC.
TOTAL AREA OF SUBDIVISION TO BE RECORDED:	1077920 SQ. FT. OR 24.7456 AC.

GROSS AREA

LOT	AREA
LOT 1	8,5340 AC.
LOT 2	9,8994 AC.
LOT 3	0.0641 AC.
LOT 4	6.1726 AC.

TOTAL TABULATION - ENTIRE SUBDIVISION

TOTAL NUMBER OF LOTS TO BE RECORDED:	4
TOTAL AREA OF LOTS TO BE RECORDED:	1992556 SQ. FT. OR 45.7428 AC.
TOTAL AREA OF ROADWAY TO BE RECORDED:	54429 SQ. FT. OR 1.2495 AC.
TOTAL AREA OF SUBDIVISION TO BE RECORDED:	2046985 SQ. FT. OR 46.9923 AC.

CURVE DATA

PT-PT	RADIUS	ARC	Δ	TAN	CHORD	CHD BEARING
669-670	1320.00'	122.99'	05°11'42"	60.24'	120.99'	N 28°41'53"E

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

Lucy M. Boyd, M.D. 12-23-91
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Joseph S. Reutter 1/24/92
 PLANNING DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Thomas J. Lee 1/13/92
 DIRECTOR DATE

OWNER'S DEDICATION

I, SUSAN JANET HARRISON, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR, AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS OUR HANDS THIS 21st DAY OF Feb. 1991.

02/21/91
 -DATE
Susan Janet Harrison
 SUSAN JANET HARRISON, OWNER

2-21-91
 DATE
Subrah G. Munshi
 WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY SUSAN JANET HARRISON TO SUSAN JANET HARRISON, BY DEED DATED NOVEMBER 15, 1990, AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2269 AT FOLIO 261 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

Sourabh G. Munshi 2/22/91
 SOURABH G. MUNSHI, PROF. L.S. NO. 10770 DATE

STATE OF MARYLAND
 SOURABH G. MUNSHI
 NO. 10770
 REGISTERED
 PROFESSIONAL LAND SURVEYOR

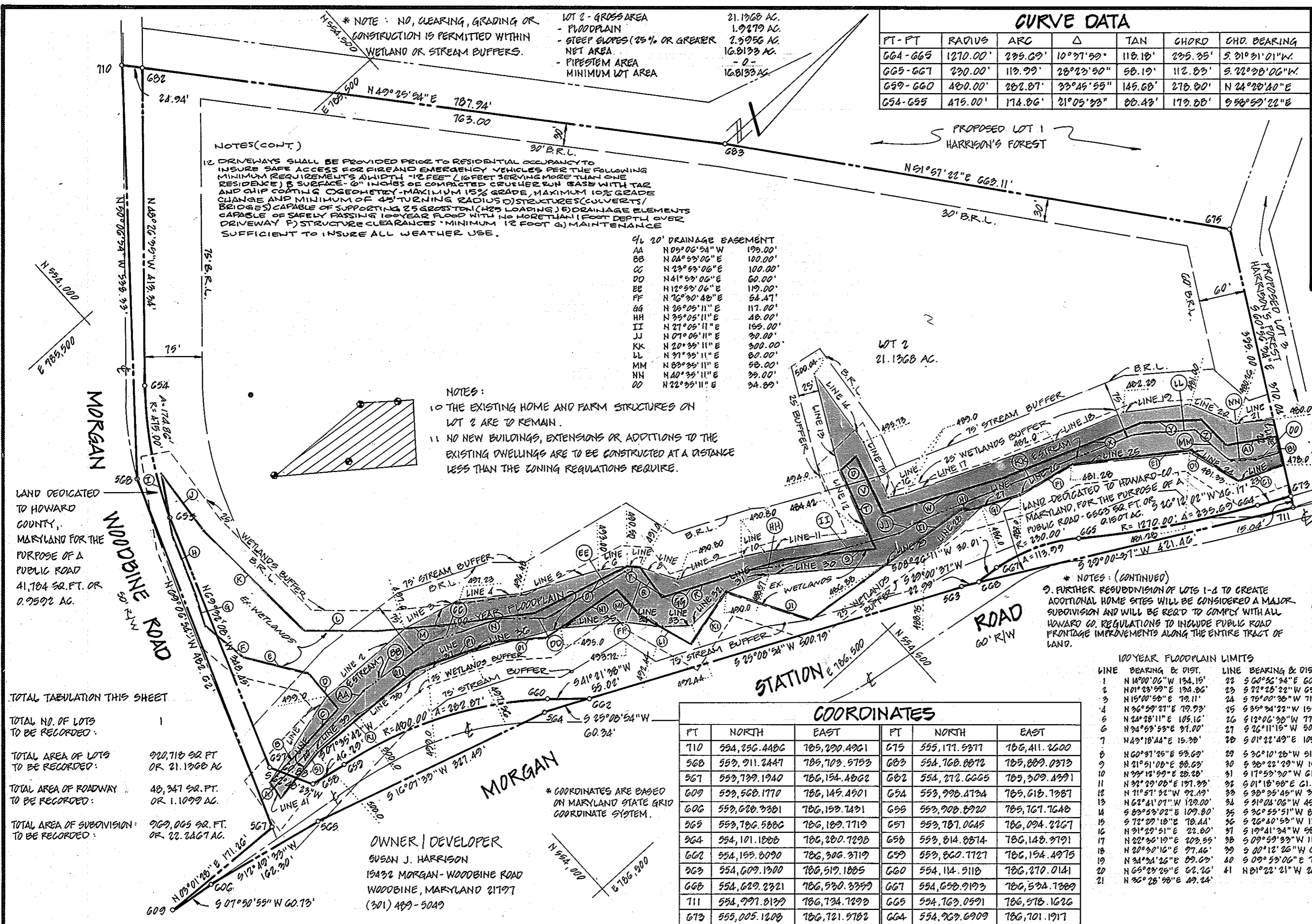
RECORDED AS PLAT 10199 ON Feb 3, 1992 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**MINOR SUBDIVISION PLAT
 HARRISON'S FOREST
 SECTION ONE - LOTS 1, 2, 3, AND 4**

EXISTING ZONING: R
 TAX MAP: 3 PARCEL: P1010
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' JANUARY, 1991

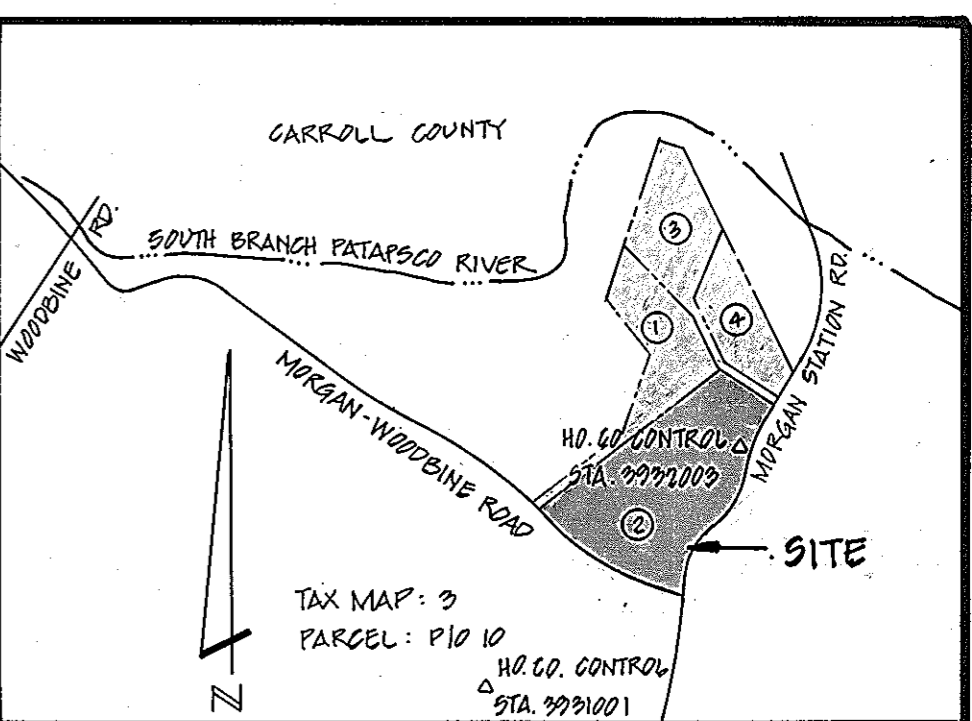
SHEET 1 OF 2

VANMAR ASSOCIATES INC
 Engineers-Surveyors-Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5019 (301) 549-2751



CURVE DATA

PT-FT	RADIUS	ARC	Δ	TAN	CHORD	CHD. BEARING
GG4-GG5	1270.00'	295.63'	10°21'39"	118.18'	295.35'	S 210°21'01"W
GG5-GG7	230.00'	119.79'	28°23'50"	58.19'	112.85'	S 02°28'06"W
GG9-GG0	480.00'	282.87'	33°45'55"	145.68'	278.80'	N 24°28'40"E
G54-G55	475.00'	174.86'	21°05'33"	88.43'	173.85'	S 93°59'22"E



- SUBJECT PROPERTY ZONED 'R' PER 8/2/05 COMPREHENSIVE ZONING PLAN
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- COORDINATES ARE BASED ON MARYLAND STATE PLANE AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NOS. 9931001 AND 9931003.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- D.R.L. - REPRESENTS BUILDING RESTRICTION LINES.
- - REPRESENTS CONCRETE MONUMENT SET (UNLESS OTHERWISE NOTED)
- - REPRESENTS PROPOSED WELL
- PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND SHOWN THUS ⊕. (NOTES CONT.)

TOTAL TABULATION THIS SHEET

TOTAL NO. OF LOTS TO BE RECORDED: 1

TOTAL AREA OF LOTS TO BE RECORDED: 920,716 SQ. FT. OR 21.1368 AC.

TOTAL AREA OF ROADWAY TO BE RECORDED: 48,347 SQ. FT. OR 1.1099 AC.

TOTAL AREA OF SUBDIVISION TO BE RECORDED: 969,065 SQ. FT. OR 22.2467 AC.

COORDINATES

PT	NORTH	EAST	PT	NORTH	EAST
710	554,256.4486	785,220.4921	G75	555,171.5377	786,411.2600
568	559,911.2447	789,709.9753	G83	554,768.8872	785,889.0373
567	553,739.1942	786,154.4862	G82	554,272.6665	785,309.4391
G09	559,568.1770	786,149.4901	G54	553,996.4734	785,618.1387
G06	553,628.7381	786,193.7431	G56	553,908.8920	785,761.7648
565	553,786.5880	786,129.7719	G57	553,787.0645	786,094.2267
564	554,101.1888	786,280.7298	G58	553,814.8874	786,148.9791
G62	554,159.8090	786,306.3719	G59	553,860.7727	786,154.4975
563	554,009.1900	786,519.1885	G60	554,114.9118	786,279.0141
G68	554,629.2321	786,538.3399	G67	554,658.9193	786,534.7389
711	554,997.8139	786,734.7293	G65	554,763.0591	786,578.1626
G73	555,005.1208	786,721.9782	G64	554,969.6909	786,701.1917

100 YEAR FLOODPLAIN LIMITS

LINE	BEARING & DIST.	LINE	BEARING & DIST.
1	N 14°00'00"W 134.15'	22	S 60°52'34"E 601.4'
2	N 01°23'59"E 134.86'	23	S 27°25'22"W 65.77'
3	N 15°00'58"E 72.11'	24	S 75°00'36"W 71.54'
4	N 36°59'27"E 79.73'	25	S 39°34'22"W 155.16'
5	N 24°28'11"E 105.16'	26	S 12°06'30"W 77.43'
6	N 94°53'58"E 37.00'	27	S 26°11'15"W 50.00'
7	N 49°18'44"E 15.38'	28	S 01°22'49"E 105.10'
8	N 60°31'25"E 53.69'	29	S 36°10'28"W 51.42'
9	N 21°51'08"E 88.65'	30	S 38°22'29"W 191.58'
10	N 39°12'59"E 28.28'	31	S 17°53'30"W 61.41'
11	N 32°39'08"E 191.39'	32	S 01°18'58"E 61.62'
12	N 11°57'32"W 92.43'	33	S 38°35'45"W 28.64'
13	N 36°41'07"W 129.20'	34	S 31°28'06"W 45.09'
14	S 59°59'02"E 109.20'	35	S 36°25'51"W 86.26'
15	S 72°29'18"E 78.44'	36	S 26°40'53"W 118.67'
16	S 21°29'18"E 22.80'	37	S 19°41'24"W 58.12'
17	N 22°36'10"E 229.55'	38	S 09°59'39"W 111.55'
18	N 20°30'16"E 97.46'	39	S 00°12'26"W 69.92'
19	N 34°24'26"E 89.69'	40	S 08°59'06"E 77.75'
20	N 65°28'25"E 62.26'	41	N 01°22'21"W 26.48'
21	N 36°28'58"E 49.24'		

LIMIT OF WETLANDS

LINE	BEARING & DIST.	LINE	BEARING & DIST.
A	N 01°22'21"W 76.48'	X	N 20°30'16"E 192.46'
B	N 08°15'49"W 69.77'	Y	N 39°40'59"E 78.87'
C	N 08°15'49"W 69.77'	Z	N 81°17'51"E 44.51'
D	N 01°22'21"W 76.48'	AA	N 39°31'14"E 69.83'
E	S 59°59'02"E 109.20'	BB	S 60°26'34"E 57.62'
F	S 59°59'02"E 109.20'	CC	S 22°28'24"W 71.54'
G	N 69°07'34"W 48.12'	DD	S 36°24'22"W 155.16'
H	N 69°07'34"W 48.12'	EE	S 12°06'30"W 77.43'
I	N 69°07'34"W 48.12'	FF	S 26°11'15"W 50.00'
J	N 69°07'34"W 48.12'	GG	S 01°22'49"E 105.10'
K	N 69°07'34"W 48.12'	HH	S 36°10'28"W 51.42'
L	N 69°07'34"W 48.12'	II	S 38°22'29"W 191.58'
M	N 69°07'34"W 48.12'	JJ	S 17°53'30"W 61.41'
N	N 69°07'34"W 48.12'	KK	S 01°18'58"E 61.62'
O	N 69°07'34"W 48.12'	LL	S 38°35'45"W 28.64'
P	N 69°07'34"W 48.12'	MM	S 31°28'06"W 45.09'
Q	N 69°07'34"W 48.12'	NN	S 36°25'51"W 86.26'
R	N 69°07'34"W 48.12'	OO	S 26°40'53"W 118.67'
S	N 69°07'34"W 48.12'	PP	S 19°41'24"W 58.12'
T	N 69°07'34"W 48.12'	QQ	S 09°59'39"W 111.55'
U	N 69°07'34"W 48.12'	RR	S 00°12'26"W 69.92'
V	N 69°07'34"W 48.12'	SS	S 08°59'06"E 77.75'
W	N 69°07'34"W 48.12'	TT	N 01°22'21"W 26.48'

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

James M. Boyd, M.D. 12-23-91.
 HOWARD COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James J. Smith 1/24/92
 PLANNING DIRECTOR

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. Smith 1/13/92
 DIRECTOR

OWNERS CERTIFICATE

I, SUSAN JANET HARRISON, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR, AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS MY HANDS THIS 21st DAY OF Feb. 1991.

2/21/91 *Susan Janet Harrison*
 SUSAN JANET HARRISON, OWNER

2/21/91 *Richard J. Paul*
 WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY SUSAN JANET HARRISON TO SUSAN JANET HARRISON, BY DEED DATED NOVEMBER 15, 1990, AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2263 AT FOLIO 261 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

Sourabh G. Munshi 2/27/91
 SOURABH G. MUNSHI, PROF. L.S. NO. 10770
 DATE

RECORDED AS PLAT 10200 ON Feb 3, 1992
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**MINOR SUBDIVISION PLAT
 HARRISON'S FOREST
 SECTION ONE - LOTS 1, 2, 3, AND 4**

EXISTING ZONING: R
 TAX MAP: 3 PARCEL: P1010
 FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' JANUARY, 1991

SHEET 2 OF 2

VANMAR ASSOCIATES INC
 Engineers • Surveyors • Planners
 912 South Main Street, Mount Airy, Maryland 21111
 (301) 827-2890 (301) 891-5015 (301) 549-2191