

4/16/99
10:00
FRP 4/18
10:00

APPLICATION

PERCOLATION TESTING

A 511469

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

Proposal to
subdivide 6A. parcel
into 2 buildable lots.
Ex. dwelling has 10K #

DISTRICT 4

DATE 3-19-99

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER DAVID P. CARWITHEN AND MARY J. CARWITHEN

ADDRESS 1851 LONG CORNER ROAD, MT. AIRY, MD. 21771 PHONE (301) 831-7172

✓ AGENT OR PROSPECTIVE BUYER VIR KATHURIA, KCE ENGINEERING INC.

ADDRESS 3300 N. RIDGE ROAD SUITE 360 PHONE 410-203-9800
ELLICOTT CITY MD. 21043

PROPERTY LOCATION:

SUBDIVISION C.R. NAPLES PROPERTY LOT NO. 12

ROAD AND DESCRIPTION LONG CORNER ROAD OFF WINDSOR FOREST ROAD.

TAX MAP 6 PARCEL # 222

SIZE OF LOT 6.52549 ACRES TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

David S. Carwithen
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

511469

COUNTY #

SOIL PROFILE 39

0' topsoil

1' org brn cl lm w/frag

6' H brn si lm w/>50% shale frag

12' Refusal

42

1' topsoil

5.5' red org brn cl lm w/frag

2.5' H brn si lm w/>50% shale

Refusal

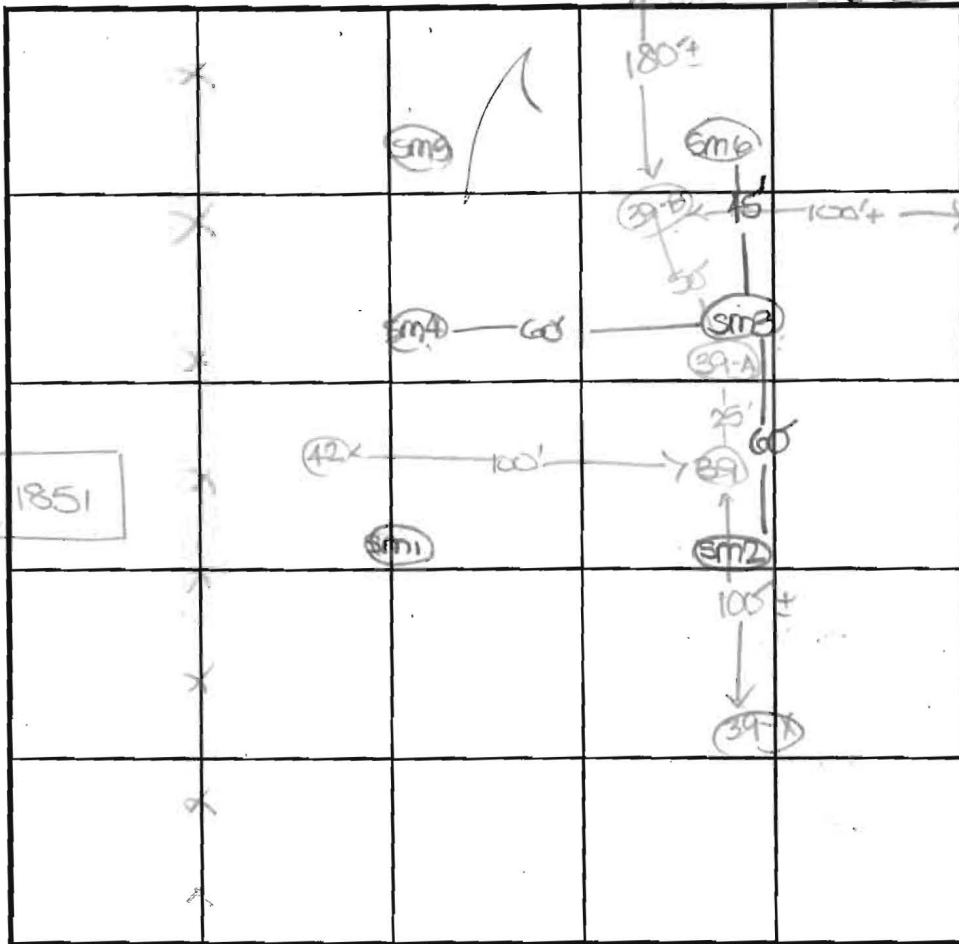
39-A

1' topsoil

1' red org brn cl lm

3' H org brn si lm w/>50% shale

6' Refusal



SOIL PROFILE 39-B

0' topsoil

1' org red brn cl lm

5' H org brn si lm w/>50% shale frag

8' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Long Corner Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-10-99	39	12.0'D	Refusal				FAIL
	42	9.5'D	Refusal				FAIL
	39-A	6.0'D	Refusal				FAIL
	39-B	3.0'D	Refusal				FAIL
	39-A	2.5'S	11:07	11:37	1/2" drop		~
	39-X	8.0'D	Refusal				FAIL

REMARKS: test holes not started by engineer

TYPE OF SOIL: _____

TESTED BY: D. Soe ALSO PRESENT: owner, foglie's, eng.

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

TEST DATA

NAME _____	FILE NO _____
LOCATION <u>Naples Property - lot 12</u>	COUNTY <u>Howard</u>
<u>Long Corner Road</u>	DATE <u>7/16/99</u>
RECORDED BY <u>DKS</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	5	18"-24"	1:27 1:42 1:57 2:12 2:27 2:42 2:48 3:03 3:18		8" 6 26/32" 6" 5 14/32" 4 28/32" 4 10/32" 8" 7 18/32" 7"	> 1 6/32 > 2 6/32 > 18/32 > 18/32 > 16/32 > 16/32 > 16/32 $\bar{x} = 22.7 \text{ mpi}$
	6	16"-22"	1:40 1:55 2:10 2:25 2:40 2:55 3:10		8" 7 24/32" 7 24/32" 7 24/32" 7 24/32" 7 24/32"	> 8/32 > 0 > 0 > 0 > 0

TEST DATA

NAME _____	FILE NO <u>A511469</u>
LOCATION <u>Naples Property - lot 12</u>	COUNTY <u>Howard</u>
<u>Long Corner Road</u>	DATE <u>7/16/99</u>
RECORDED BY <u>DKS</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	1	18"-24"	11:06 11:21 11:36 11:51 12:06 12:21 12:36 12:51		8" 7 19/32" 7" 6 24/32" 6 10/32" 6 10/32" 6 4/32" 6"	> 22/32 > 10/32 > 8/32 > 8/32 > 6/32 > 6/32 > 4/32 <div style="border: 1px solid black; padding: 2px; display: inline-block;">x̄ = 43.6 mpa</div>
	2	18"-24"	11:25 11:40 11:55 12:10 12:25 12:40 12:42 12:57		8" 6 6/32" 5 16/32" 5" 4 20/32" 4 8/32" 8" 7 22/32"	> 12 29/32" > 22/32" > 16/32" > 12/32" > 12/32" > 10/32" <div style="border: 1px solid black; padding: 2px; display: inline-block;">x̄ = 22.2 mpa</div>

TEST DATA

NAME _____	FILE NO <u>A 5114109</u>
LOCATION <u>Naples Property - lot 12</u>	COUNTY <u>Howard</u>
<u>Long Corner Road</u>	DATE <u>7/16/99</u>
RECORDED BY <u>DVS</u>	GRID _____ E N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	4	18"-24"	12:45		8"	
			1:00		5 ²⁴ / ₃₂ "	> 2 ⁸ / ₃₂
			1:15		4 ²⁰ / ₃₂ "	> 1 ⁴ / ₃₂
			1:17		8"	
			1:32		6 ²⁰ / ₃₂ "	> 1 ⁰ / ₃₂
			1:47		5 ²⁰ / ₃₂ "	> 1 ⁰ / ₃₂
			2:02		5"	> 2 ⁰ / ₃₂
			2:17		4 ⁸ / ₃₂ "	> 2 ⁴ / ₃₂
						x̄ = 12.6 mpi
	3	18"-24"	12:52		8"	> 1 ⁰ / ₃₂ "
			1:07		6 ²⁰ / ₃₂ "	> 1 ⁸ / ₃₂ "
			1:22		6 ⁸ / ₃₂ "	> 1 ² / ₃₂ "
			1:37		5 ²⁸ / ₃₂ "	> 1 ² / ₃₂ "
			1:52		5 ¹⁰ / ₃₂ "	> 1 ² / ₃₂ "
			2:07		5 ⁶ / ₃₂ "	> 1 ⁰ / ₃₂ "
			2:22		4 ²⁸ / ₃₂ "	> 1 ⁰ / ₃₂ "
			2:37		4 ⁸ / ₃₂ "	> 1 ⁰ / ₃₂ "
						x̄ = 30.6 mpi



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

November 18, 1999

Mr. and Mrs. David Carwithen
1851 Long Corner Road
Mt. Airy, Maryland 21771

RE: **Sand Mound Percolation Certification Plan**
Naples Property, Lot #12
Long Corner Road
Tax Map: 6 Parcel #222

Dear Mr. and Mrs. Carwithen:

This office has recently received the above referenced plan from your engineer; however, we are unable to approve the plan at this time. Due to the standards associated with subdivision of property utilizing sand mound septic systems, it appears that the proposal shall not be successful.

Deficiencies with the plan include, but are not limited to:

- (1) the lack of presentation of three complete sand mounds with suitable separation (25 feet) between each mound
- (2) the neighboring well is in a downslope position relative to the proposed septic area

Percolation testing has apparently exhausted all potential locations for sand mounds. Therefore, it is evident that insufficient area exists to accommodate the three complete sand mounds. Additionally, the neighboring well would require relocation in order to resolve concern with its location relative to the area tested.

Should you wish to proceed with the subdivision proposal, your engineer should submit a revised percolation certification plan showing sufficient area for three sand mound systems. Additionally, these areas should be located out of the direct line of flow of the neighboring well or provide a proposal for relocation of the existing well.

If you have any questions or concerns relative to this matter, please contact me at the address below or by calling (410) 313-2640.

Sincerely,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS

Cc: KCE Engineering, Inc. – Vir Kathuria
file



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

August 6, 1999

Mr. and Mrs. David Carwithen
1851 Long Corner Road
Mt. Airy, Maryland 21771

RE: **Sand Mound Percolation Test Results**
Application # A511469
Proposed Use: Subdivision
Property ID: Naples Property, Lot #12
Long Corner Road
Tax Map: 6 Parcel #222

Dear Mr. and Mrs. Carwithen:

Sand mound percolation testing was conducted on the above referenced property on July 16, 1999. A copy of the test results is enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of property boundaries have been shown. This plat should also include sand mound design plans.

If you have any questions regarding this matter, please feel free to contact me at the address below or by calling (410) 313-2640. Thank you in advance for your time and cooperation.

Sincerely,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS

Enclosure

cc: KCE Engineering, Inc. - Vir Kathuria
file



to Brande Ptz

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

July 31, 2000

MEMORANDUM

TO: Cindy Hamilton, Chief
Department of Planning & Zoning

FROM: Ronald J. Pinkley, R.S. *RP*
Water & Sewerage Program

RE: F-01-01
Carwithen Property, Lots 1 & 2
*(a part of C.R. Nyles lot 12)
Long Corner Rd*

COMMENTS

The following comments are in response to the above referenced plan:

- Revise General Note #5 – on the first line change “10,000 SF” to read “10,000 SF or larger”
- Add a General Note – “The Sewage Disposal Area for Lot 2 is approved for Sand Mound type sewage disposal systems only”

If there are any questions regarding this matter, I may be contacted at the address below or by calling (410) 313-2640.

cc: KCE Engineering, Inc.
File



HOWARD COUNTY HEALTH DEPARTMENT

Mary Sue Baker, MBA, Acting County Health Officer

June 29, 1999

Mr. and Mrs. David Carwithen
1851 Long Corner Road
Mt. Airy, Maryland 21771

RE: Percolation Test Date
Application #511469
Property ID: Naples Property, Lot #12
Long Corner Road
Tax Map: 6 Parcel #222

Dear Mr. and Mrs. Carwithen:

At your request, sand mound percolation testing for the above referenced property has been rescheduled for Friday, July 16, 1999, at 10:00 a.m.

As previously indicated, reservation of this test date is contingent upon submission of a revised percolation test plan indicating proposed sand mound sites for testing as well as a suitable house and well site. This revised plan should be submitted for review at least one week prior to the reserved test date.

Please call this office at (410) 313-2640 to confirm this test date and if you have any questions or concerns. Thank you in advance for your cooperation in this important matter.

Sincerely,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS

Enclosure

cc: KCE Engineering, Inc.- Vir Kathuria
file



HOWARD COUNTY HEALTH DEPARTMENT

Mary Sue Baker, MBA, Acting County Health Officer

May 17, 1999

Mr. and Mrs. David Carwithen
1851 Long Corner Road
Mt. Airy, Maryland 21771

RE: Percolation Test Results
Application #511469
Property ID: Naples Property, Lot #12
Long Corner Road
Tax Map: 6 Parcel #222

Dear Mr. and Mrs. Carwithen:

Percolation testing conducted April 16, 1999, on the above referenced property indicated unsatisfactory soil conditions for conventional septic system design due to insufficient depth to bedrock in all of the test holes. A copy of the test results is enclosed.

However, preliminary evaluation indicated the possibility of successful sand mound testing on the property. At the request of your engineer, a percolation test date has been tentatively scheduled for complete sand mound evaluation for Friday, June 18, 1999, at 10:00 a.m. Reservation of this test date is contingent upon submission of a revised percolation test plan indicating proposed sand mound sites for testing as well as a suitable house and well site. The revised plan should be submitted for review at least one week prior to the assigned test date.

Please call this office at (410) 313-2640 to confirm this test date and if you have any questions or concerns. Thank you in advance for your cooperation in this important matter.

Sincerely,

Donna K. Soe, R.S.
Water and Sewerage Program

DKS
Enclosure
cc: KCE Engineering, Inc. - Vir Kathuria
File



KCE ENGINEERING, INC.

May 3, 2000

Donna K. Soe, R.S.
Water and Sewerage Program
Howard County Health Department
3525-H Ellicott Mills Drive
Ellicott City, Maryland 21043

RE: Naples Property Lot No. 12
Long Corner Road
Sand Mound Percolation Test
Application No.: A511469

Dear Ms. Soe:

Sand Mound design plan for the above referenced property was submitted for your review on October 21, 1999. In response to that submittal, in your letter dated November 18, 1999, you have identified certain deficiencies in the design.

Since your November 18, 1999 letter, a field visit was arranged with you and Mr. Ron Pinkley of your office to assess the field conditions to accommodate the design. Additionally, several discussions and meetings were held in your office to modify the plan. The attached two copies of the modified sand mound certification plan reflects the revisions recommended by Mr. Ron Pinkley.

We hope that the revised plan meets your requirements. We appreciate your prompt review of the revised design and if you have any questions or need additional information, we will be happy to meet with you at your convenience.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'D. Kathuria', written over a horizontal line.

D. Vir Kathuria, P.E.
Project Manger

Cc: David Carwithen



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 29, 1999

David Carwithen
1851 Long Corner Rd.
Mt. Airy, Md. 21771

Re: Percolation Test Application A511469
Proposed resubdivision
Lot 12 - Naples Property
Long Corner Rd.
Tax map 6 Parcel 222

Dear Mr. Carwithen,

A percolation test date of 10:00 am Friday April 16, 1999 has been scheduled the above referenced property. Please have your contractor on-site to begin excavating test holes in appropriate locations a few hours prior to the scheduled time of our arrival.

The established sewage disposal easement serving the existing house will be preserved; only that area to be dedicated to the new lot is scheduled for evaluation.

Because of concerns about potential water table limitations, it is understood that testing will begin at the highest possible location and the proceed downslope as far as judgement allows. Due to the relatively dry pre-season, a cautious start to the spring wetseason has been declared, with an extra 4' safety margin required beyond any water table observations made during the site evaluation.

Assuming approvable soil conditions are encountered, locations of wells and septics on adjacent properties may influence the final lot configuration. Please call this office upon receipt of this letter to confirm your acceptance of this test date, and again on the morning of the scheduled tests if inclement weather causes any concern as to whether or not testing can proceed on shedule.

Yours truly,

Craig Williams, Sanitarian

POINT	NORTHING	EASTING	DESCRIPTION
20	604063.52660	1268456.94870	lot corner
21	604933.51000	1268431.01000	lot corner
22	604673.26921	1268793.92656	lot corner
23	604049.11657	1268812.53577	lot corner
206	604047.15759	1267907.93267	lot corner
207	604022.15745	1267908.32758	lot corner

LOT NUMBER	GROSS AREA	PIPE STEM AREA	MINIMUM LOT SIZE
1	3.2283 ACRES	0.1576 ACRES	3.0707 ACRES
2	3.2800 ACRES	0.2094 ACRES	3.0706 ACRES

DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESSORS AND ASSIGNS, ALL EASEMENTS SHOWN ON THIS PLAT FOR WATER, SEWER, STORM DRAINAGE AND OTHER PUBLIC UTILITIES LOCATED IN, OVER AND THROUGH LOTS 1 AND 2. ANY AND ALL CONVEYANCES OF AFORESAID LOTS SHALL BE SUBJECT TO THE EASEMENTS HEREIN RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOT(S). DEVELOPER SHALL EXECUTE AND DELIVER DEEDS FOR THE EASEMENTS HEREIN RESERVED TO HOWARD COUNTY. UPON COMPLETION OF THE PUBLIC UTILITIES AND THEIR ACCEPTANCE BY HOWARD COUNTY, THE COUNTY SHALL ACCEPT EASEMENTS AND RECORD THE DEED(S) OF EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY.

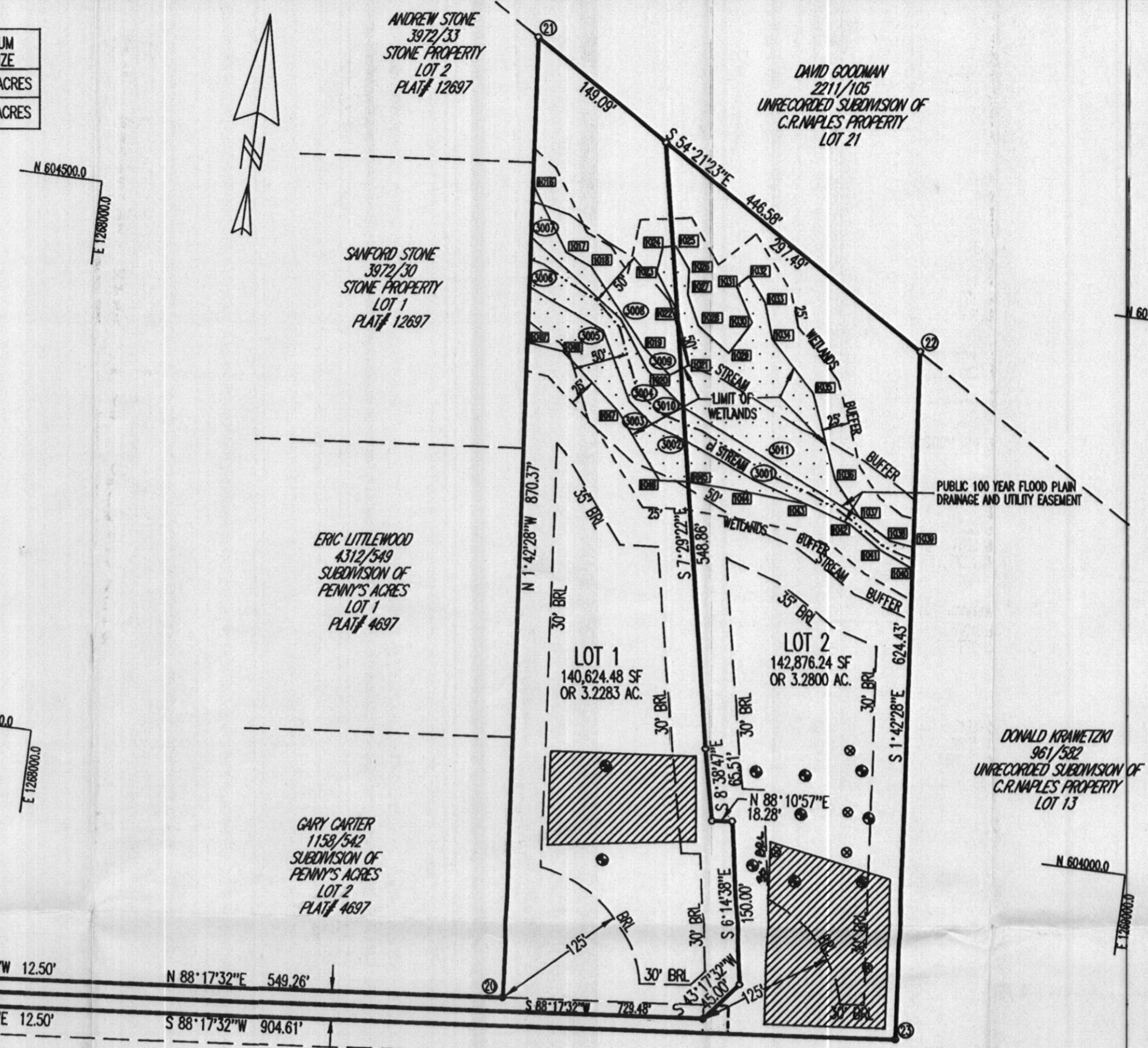
Point	Northing	Easting
1016	604801.01888	1268434.96024
1017	604741.66086	1268468.85366
1018	604729.93641	1268492.07020
1019	604660.59624	1268544.09093
1020	604637.11220	1268569.38350
1021	604647.42204	1268585.90643
1022	604636.67019	1268570.84742
1023	604729.78850	1268551.54375
1024	604752.49836	1268555.37217
1025	604753.72890	1268566.92004
1026	604732.96233	1268580.41140
1027	604710.71484	1268580.64418
1028	604683.46084	1268591.51640
1029	604660.23013	1268620.75698
1030	604689.21737	1268640.03967
1031	604721.18857	1268623.45246
1032	604731.57948	1268634.48608
1033	604708.40148	1268650.70146
1034	604675.92358	1268659.39265
1035	604629.59592	1268699.36530
1036	604563.21835	1268724.08773
1037	604520.43783	1268748.65542
1038	604501.15514	1268777.64266
1039	604497.02190	1268799.18140
1040	604476.86433	1268799.78240
1041	604491.31547	1268770.31783
1042	604513.23712	1268740.90012
1043	604529.44904	1268698.89372
1044	604536.03532	1268648.75154
1045	604542.14167	1268592.85617
1046	604541.76875	1268566.25163
1047	604601.25845	1268525.43451
1048	604652.00368	1268471.96403
1049	604658.26231	1268439.21656

Point	Northing	Easting	Elevation
1039	604675.92358	1268659.39265	710.5
1040	604520.43783	1268748.65542	710.5
3001	604548.21741	1268650.26330	716.0
3002	604578.93279	1268587.36199	717.0
3003	604591.99649	1268556.48539	718.0
3004	604610.78373	1268535.03183	720.0
3005	604673.62102	1268506.96003	722.0
3006	604708.61007	1268437.71508	724.5
3007	604753.59013	1268436.37398	724.5
3008	604684.42745	1268521.91080	722.0
3009	604640.37520	1268549.31301	720.0
3010	604608.67687	1268583.45160	718.0
3011	604567.56928	1268660.32433	716.0



LONG CORNER ROAD
PUBLIC ROAD
EXISTING CL. OF 30' ROAD
60' R/W PER PLAT #12697
N 0° 54' 18" W 25.00'
N 0° 54' 18" E 12.50'
(MINOR COLLECTOR)

LAND DEDICATED TO HOWARD COUNTY, MARYLAND FOR THE PURPOSE OF A PUBLIC ROAD 0.0172 ACRES.
N 60° 40' 00" E
E 1268000.0



GENERAL NOTES

- COORDINATES BASED ON NAD 83' MARYLAND COORDINATE SYSTEM AS PROJECTED BY THE SUBDIVISION PLAT OF "STONE PROPERTY", PLAT #12697.
- SUBJECT PROPERTY ZONED "RC-DEO" PER 10/18/93 COMPREHENSIVE ZONING PLAN.
- B.R.L. DESIGNATES BUILDING RESTRICTION LINE.
- THERE IS AN EXISTING DWELLING, HORSESTALL, AND SHED ON LOT NO. 1 TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING BUILDING ARE TO BE CONSTRUCTED AT A DISTANCE OF LESS THAN THE ZONING REGULATIONS ALLOW.
- THIS AREA DESIGNATES A PRIVATE SEWAGE ESMT. OF 10,000 SF OR LARGER 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. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCE FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE IS TO BE PROVIDED AT THE JUNCTION OF FLAG OR PIPE STEM AND THE ROAD R/W AND NOT INTO THE FLAG OR PIPE STEM LOT DRIVEWAY.
- DESIGNATES SUCCESSFUL PERC TEST.
○ DESIGNATES FAILED PERC TEST.
- THIS PLAT IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED ON SEPTEMBER 15, 1999, BY KEPART AND COMPANY.
- DENOTES PROPERTY CORNER FOUND OR PROPERTY CORNER TO BE SET AFTER RECORDATION OF THIS PLAT.
- DRIVEWAY SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE & EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
(A) WIDTH - 14 FEET (SERVICED MORE THAN ONE RESIDENCE)
(B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2" MIN.)
(C) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS.
(D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
(E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
(F) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- THE EXISTING BARN & HORSE STALL MUST BE A MINIMUM OF 200' FROM ANY DWELLING PER SECTION 128.A.4 OF THE ZONING REGULATIONS.
- WETLANDS OR FLOODPLAINS ARE EXISTING ON THE PROPERTY.

GENERAL NOTES (continued)

- A FEE-IN-LIEU OF \$1500.00 WAS PAID TO THE DEPARTMENT OF RECREATION AND PARKS FOR THE REQUIRED OPEN SPACE.
- THE USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOTS 1 AND 2 IS RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, SIMULTANEOUSLY WITH THE RECORDING OF THIS PLAT.
- THE SEWAGE DISPOSAL AREA FOR LOT 2, IS APPROVED FOR SAND MOUND TYPE SEWAGE DISPOSAL SYSTEMS ONLY.

TABULATION OF FINAL PLAT

TOTAL NUMBER OF LOTS TO BE RECORDED	2
TOTAL AREA OF LOTS BUILDABLE	6.5083 AC
TOTAL AREA FOR STREET DEDICATION	0.0172 AC
TOTAL AREA OF PROPERTY TO BE RECORDED	6.5256 AC

OWNER AND PETITIONER
DAVID P. & MARY J. CARWITHEN
1851 LONG CORNER ROAD
MT. AIRY, MARYLAND 21771

THE REQUIREMENTS OF SUBSECTION 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED), AS FAR AS THEY RELATE TO THE MARKING OF THIS PLAT AND THE SETTING OF MARKERS, HAVE BEEN COMPLIED WITH.

John A. Kephart 8-28-00
SIGNATURE OF PLATTING SURVEYOR DATE

David P. Carwithen 8-30-00
SIGNATURE OF OWNER DATE

Mary J. Carwithen 8-30-00
SIGNATURE OF OWNER DATE

GENERAL NOTES (continued)

- THIS SUBDIVISION IS EXEMPT FROM THE FOREST CONSERVATION REQUIREMENT PER SECTION 16.1202(b)(1)(viii) OF THE HOWARD COUNTY CODE SINCE IT IS A MINOR SUBDIVISION THAT CREATES ONE ADDITIONAL LOT AND HAS NO FURTHER SUBDIVISION POTENTIAL.
- A CERTIFIED LANDSCAPE PLAN IS ON FILE WITH THE FINAL PLAT WHICH INDICATES THAT LOT 1 CONTAINS AN EXISTING DWELLING AND IS EXEMPT FROM LANDSCAPING REQUIREMENTS AND LOT 2 RECEIVED A CREDIT FOR EXISTING VEGETATION ALONG ITS NORTHERN, SOUTHERN AND EASTERN PERIMETER.
- ALL AREAS ARE MORE OR LESS.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE HOWARD COUNTY HEALTH DEPARTMENT.

Diane Mastaglio 9/22/00
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Michael Cummings 10/4/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Joseph R. Smith 10/12/00
DIRECTOR DATE

OWNER'S CERTIFICATE

WE DAVID P. CARWITHEN AND MARY J. CARWITHEN, OWNERS 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:

- 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-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON;
- 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;
- THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENT FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND
- THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS MY/OUR HANDS THIS 23 DAY OF SEP, 2000

David P. Carwithen
DAVID P. CARWITHEN
Mary J. Carwithen
MARY J. CARWITHEN

John A. Kephart
WITNESS
John A. Kephart
WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A RESUBDIVISION OF ALL OF THE LANDS CONVEYED BY CARMON ROBERT NAPLES TO DAVID P. CARWITHEN AND MARY J. CARWITHEN, HIS WIFE, BY DEEDS DATED MAY 1, 1974 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 679 AT FOLIO 190; SAID PROPERTY ALSO BEING KNOWN AS LOT 12, UNRECORDED SUBDIVISION OF C.R. NAPLES PROPERTY, DECLARATION OF CONVENANTS DATED MAY 29, 1973 AND RECORDED IN LIBER 639 AT FOLIO 336 AMONG THE AFORESAID LAND RECORDS 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, MARYLAND, AS SHOWN, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED, AND MONUMENTATION IS IN ACCORDANCE WITH HOWARD COUNTY SUBDIVISION REGULATIONS.

John A. Kephart 8-28-00
JOHN A. KEPHART
PROFESSIONAL LAND SURVEYOR, No. 10105 DATE



RECORDED AS PLAT No. 14467 ON 10/16/2000
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

**SUBDIVISION PLAT
CARWITHEN PROPERTY**

LOT 1 AND LOT 2
ZONED: RC-DEO
TAX MAP No. 6, PARCEL No. 222, GRID 16
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DATE: AUG. 28, 2000 SCALE: 1" = 100'

KCE ENGINEERING, INC.
EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 360
ELLCOTT CITY, MARYLAND 21043 410-203-9800