

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

558072

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME KALMIA FARMS SECTION 2

PROPERTY ADDRESS 14671 VIBURNUM DRIVE DAYTON MD. 21036
STREET TOWN ZIP

TAX ACCOUNT # 05-391989 TAX MAP 27 GRID 16 PARCEL 22 LOT NO. 20 PROPOSED LOT SIZE (ACRES) 18.126

ZONING CATEGORY RR-DEP TIER III

PROPERTY OWNER(S) JONATHAN & ROSANNE CALURE

DAYTIME PHONE 410.598.4165 CELL - EMAIL ROCALURE@GMAIL.COM

MAILING ADDRESS 5227 SWEET MEADOW LANE CLARKSVILLE MD 21029
STREET CITY, STATE ZIP

APPLICANT BRUCE D. BURTON

RELATIONSHIP TO OWNER: CONSULTANT

DAYTIME PHONE 410.795.6391 CELL 410.274.6568 MAIL bb@121658@GMAIL.COM

MAILING ADDRESS 7520 MAIN STREET #203 SYKESVILLE MD. 21784
STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

PROPERTY:

- ☐ SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) ☐ MAJOR ☐ MINOR
- ☒ CONSTRUCT NEW OSDS ON ~~DEVELOPED~~ LOT
- ☐ REPAIR OR REPLACE FAILING OSDS
- ☐ UPGRADE EXISTING OSDS

BUILDING:

- ☒ RESIDENTIAL WITH 1 ~~EXISTING~~ OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- ☐ COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- ☒ YES
- ☐ NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Bruce D. Burton

4/4/16

SIGNATURE OF APPLICANT

DATE

dracalure @
mdveinprofessionals
.com



Not to Scale

103

A/P _____

100

0.3' brl

0.3' Orscl

2.5' tan

fsL

w/ mica

12' dry

101

0.2' brl

2' Orscl

tan

fsL

w/ mica

12' dry

102

brl

2' Orscl

tan

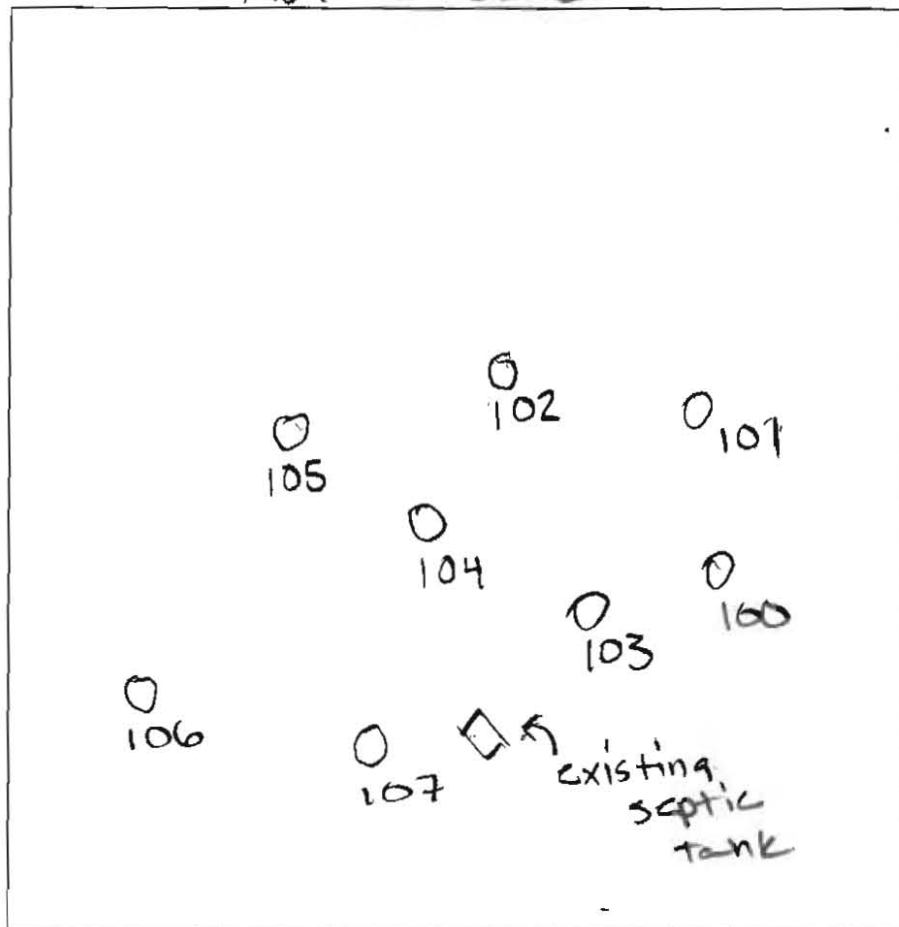
sl

w/ mica

9' shaly

10' 10-15%

12' dry



103

0.7' brl

2' Orscl

sl

tan

sl

10' shaly

10-15%

12' dry

104

0.3' brl

2.5' Orscl

tan

fsL

w/ mica

12' dry

105

brl

2.5' Orscl

tan

fsL

w/ mica

12' dry

14671 Viburnum Drive

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/21/16	100	3.5/12'	10:24	10:26	10:30	4	P
4/21/16	101	3/12'	10:37	10:40	10:46	6	P
4/21/16	102	3/12'	10:25	10:28	10:32	4	P
4/21/16	103	3.5/12'	10:04	10:07	10:14	7	P
4/21/16	104	3.9/12'	9:56	10:00	10:06	6	P
4/21/16	105	4/12'	9:37	9:40	9:44	4	P

REMARKS _____

SANITARIAN H. Oswald BACKHOE South OTHERS Engineer

TEST HOLES USED IN SDA Carroll AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Not To Scale

A/P

106

0.6' brl
or scl
2' tan
sl
mica
5-10% rock

12.9' dry
107

0.5' brl
or
scl
2.6' tan
sl
mica

12' dry

106

107

Existing
septic
tank

14671 Viburnum Drive

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4/21/16	106	3/12.9	9:14	9:27	9:35	8	P
4/21/16	107	4/12	9:21	9:23	9:26	3	P

REMARKS

SANITARIAN BACKHOE South Carroll OTHERS Engineer

TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



HOWARD COUNTY HEALTH DEPARTMENT

58072

4 / 8 / 16 DATE

A5

Received
From

Jonatha Calene

PHONE #

410 598-4165

For

Porc App / 5227 Sweet
Meadow Lane

☐ CASH
☐ CHECK

NO.

2177

Five hundred six

Dollars

\$

506.00

Received By

King

Oswald, Hank

From: Oswald, Hank
Sent: Monday, May 02, 2016 3:11 PM
To: bb121658@gmail.com
Subject: Perc Cert Plan_14671 Viburnum Drive

Hi Bruce:

I'm in receipt of the perc cert plan for 14671 Viburnum Drive (Kalmia Farms Section 2, Lot 20). There isn't a symbol for the existing well on the legend. Also, the symbol for the existing perc test location is the same as the existing well shown on the plan. Lastly, you show one existing perc test location inside the SDA but it's hard to see. Please make more visible.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, April 26, 2016 8:28 AM
To: bb121658@gmail.com
Cc: rocalure@gmail.com
Subject: Perc Test Results_14671 Viburnum Drive
Attachments: Perc Test Notes_14671 Viburnum Drive_4.21.2016.pdf; Perc Test Report_14671 Viburnum Road_4.21.2016.pdf

Bruce,

Attached, please find a copy of the percolation test notes and report for 14671 Viburnum Drive. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Oswald, Hank
Sent: Tuesday, April 12, 2016 3:21 PM
To: bb121658@gmail.com
Cc: 'rocalure@gmail.com'
Subject: Perc Test Plan_14671 Viburnum Drive
Attachments: A27470_14671_VIBURNUM_DRIVE.pdf; Perc Test Plan_14671 Viburnum.pdf

Hi Bruce:

In looking at the septic record for this lot, the soil profiles for the existing perc test holes are incomplete. We are unable to determine if there is a 4 foot buffer at bottom of the existing trenches. Therefore, we will need to retest those existing perc test hole locations. Please see attached septic record for details.

Also, we will need to add a couple more perc test holes to the plan. Please see attached plan with highlighted test hole locations.

Assuming the test plan comes back revised, we could test as early as next Thursday April 21st or first week in May (3,4,5). Of course the test holes will need to be properly staked prior to the date and the owners will need to hire a septic contractor with a backhoe capable of digging a hole down to at least 12 feet.

Let me know.

Thanks,

Hank

Hank Oswald, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
410.313.2648 (Fax)

Oswald, Hank

From: Bruce Burton <bb121658@gmail.com>
Sent: Tuesday, May 24, 2016 9:18 AM
To: Oswald, Hank
Subject: Re: Perc Cert Plan_14671 Viburnum Drive

Thanks Hank. Go ahead and add that note if you will. I appreciate your help in getting this done.
Thanks again Bruce

On Tue, May 24, 2016 at 9:10 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Bruce:

The plan went through the review process and my supervisor would like a note added to the plan to replace note # 8. The note shall read, "Existing system is sized to accommodate up to 5 bedroom home. Any larger home will require an upgrade including a BAT". I can redline the plan for you and send it up for signature. Please let me know.

Best Regards,

Hank

From: Oswald, Hank
Sent: Monday, May 02, 2016 3:11 PM
To: bb121658@gmail.com
Subject: Perc Cert Plan_14671 Viburnum Drive

Hi Bruce:

I'm in receipt of the perc cert plan for 14671 Viburnum Drive (Kalmia Farms Section 2, Lot 20). There isn't a symbol for the existing well on the legend. Also, the symbol for the existing perc test location is the same as the existing well shown on the plan. Lastly, you show one existing perc test location inside the SDA but it's hard to see. Please make more visible.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

April 26, 2016

To: Bruce Burton (Applicant) bb121658@gmail.com
Jonathan & Rosanne Calure (Owner) rocalure@gmail.com

Percolation Test Report; 14671 Viburnum Drive, Dayton, MD 21036

Percolation tests were conducted at 14671 Viburnum Drive (Tax Map 27, Parcel 22) on April 21, 2016. Tests and profile descriptions were documented for 8 locations (100, 101, 102, 103, 104, 105, 106, and 107). All 8 perc test holes passed.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet or large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation, please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S.
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

LDE INC.

2728

TO HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

[illegible]

☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

[illegible]

☒ For approval
☐ For your use
☒ As requested
☐ For review and comment
☐ FOR BIDS DUE _____

☐ Approved as submitted
☐ Approved as noted
☐ Returned for corrections
☒ FOR SIGNATURE APPROVAL

☐ Resubmit _____ copies for approval
☐ Submit _____ copies for distribution
☐ Return _____ corrected prints
☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

REC'D BY: J King

COPY TO GALVES
MUELLER HOMES

SIGNED: PRICE D. BURTON

LDE INC.9250 RUMSEY ROAD, SUITE 106
COLUMBIA, MARYLAND 21045-2026(410) 715-1070 (310) 596-3424
(410) 715-9540 FAX**LETTER OF TRANSMITTAL**

2727

TO

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

DATE	5/3/16	JOB NO.	
ATTENTION	HANK OSWALD		
RE:	14671 VIBURNUM DRIVE KALMIA FARMS LOT 20		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via DIRECT SUBMITTAL the following items:

- ☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐

COPIES	DATE	NO.	DESCRIPTION
3		1	PERCOLATION CERTIFICATION PLAN / REVISED

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☒ FOR SIGNATURE APPROVAL
☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

REC. BY: J King

COPY TO

CALURES
MUELLER HOMES

SIGNED:

BRUCE D. BURTON

If enclosures are not as noted, kindly notify us at once.

LDE INC.
Historic Carriage House
7520 Main Street
Suite 203
Sykesville, MD 21784

LETTER OF TRANSMITTAL

2754

DATE	10/3/17	JOB NO.	
ATTENTION	HANK OSWALD		
RE:	KALMIA FARMS		
	SECTION 2		
	LOT 20		

TO HOWARD COUNTY HEALTH DEPARTMENT
8930 STANFORD BLVD
COLUMBIA, MD 21045

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via DIRECT SUBMITTAL the following items:

- ☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐

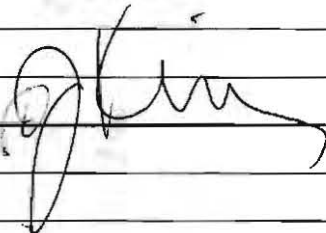
COPIES	DATE	NO.	DESCRIPTION
3		1	REVISED PERC CERTIFICATION

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐
☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

REC BY:



RECEIVED

OCT 04 2017

HOWARD COUNTY HEALTH DEPT
HUMAN & ENVIRONMENTAL HEALTH

COPY TO GALVRES, MUELLER HOMES

SIGNED: BRUCE BURTON

LDE INC.
9250 RUMSEY ROAD, SUITE 106
COLUMBIA, MARYLAND 21045-2026

LETTER OF TRANSMITTAL
2723

(410) 715-1070 (310) 596-3424
(410) 715-9540 FAX

TO HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
8930 STANFORD BLVD.
COLUMBIA, MD 21045

DATE	<u>2/26/16</u>	JOB NO.	<u>15-004</u>
ATTENTION	<u>HANK OSWALD</u>		
RE:	<u>14671 VIBURNUM DRIVE</u> <u>KALMIA FARMS LOT 20</u>		

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via DIRECT SUBMITTAL the following items:

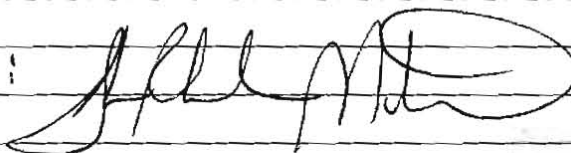
- ☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
<u>3</u>	<u>2/2016</u>	<u>1</u>	<u>PERCOLATION CERTIFICATION PLAN</u>

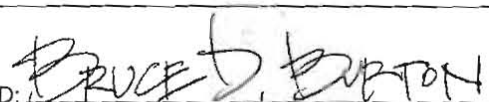
THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☒ FOR SIGNATURE APPROVAL
☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

REC. BY: 

COPY TO CALURES
MUELLER HOMES

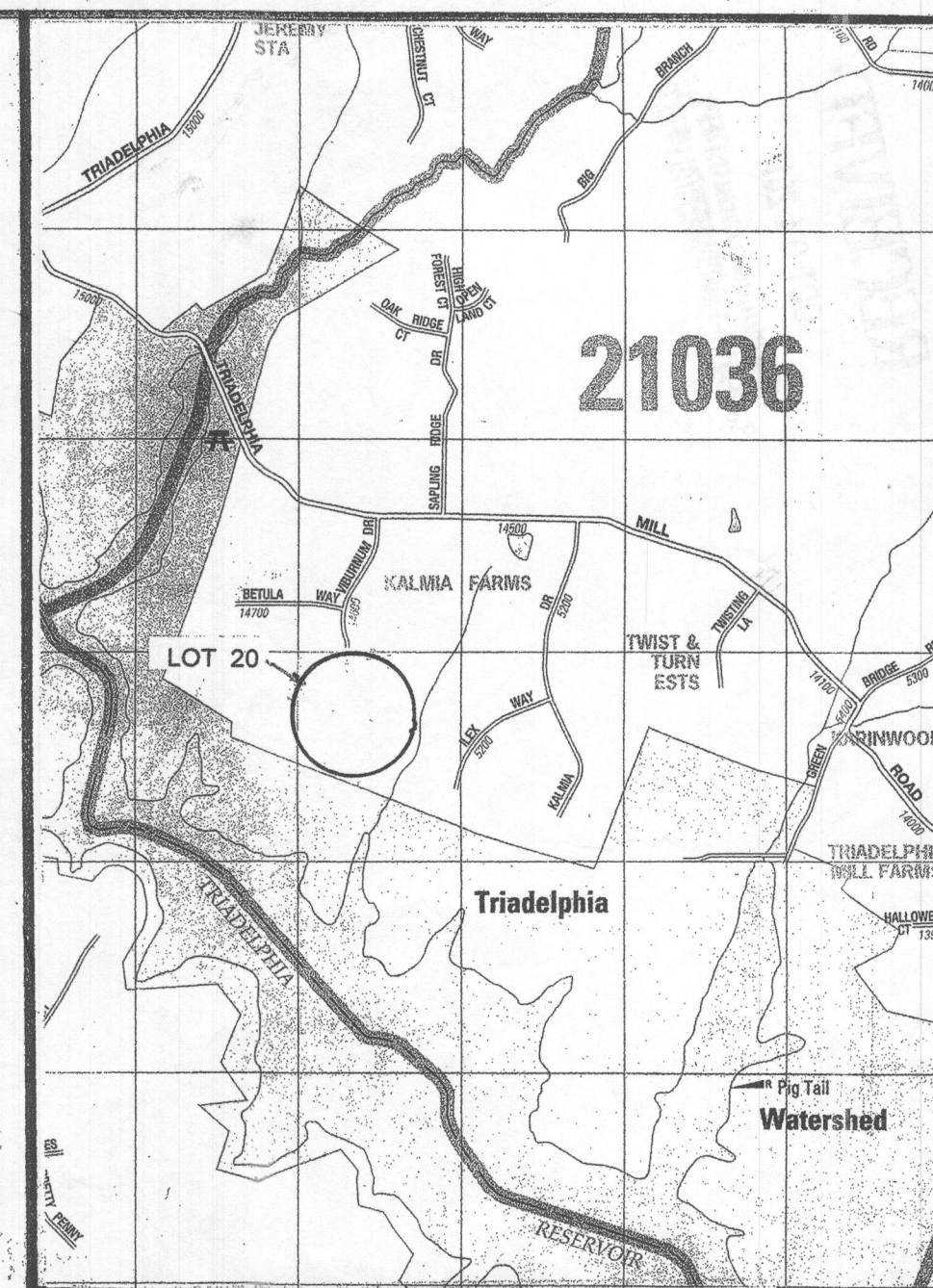
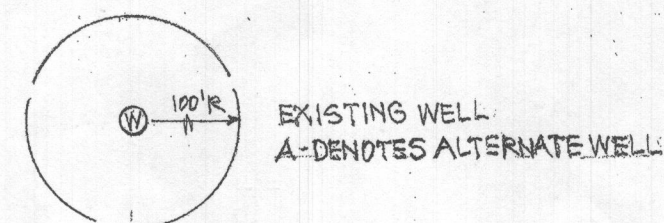
SIGNED: 

SOILS LEGEND

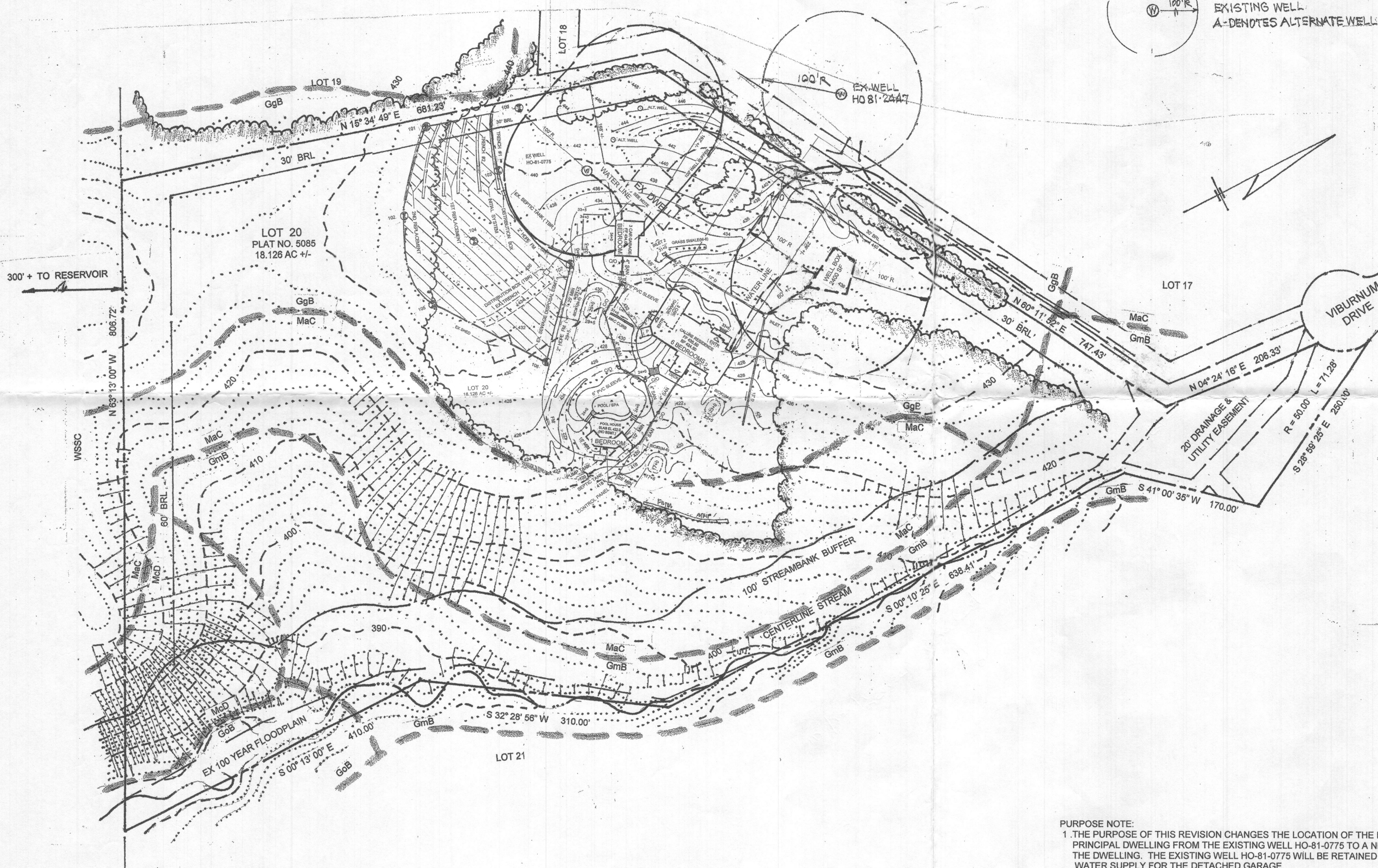
GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
Gob	GLENVILLE - CODORUS SILT LOAMS	8% - 15% SLOPES
MaC	MANOR LOAM	8% - 15% SLOPES
McD	MANOR LOAM	15% - 25% SLOPES

LEGEND

- 10' INDEX CONTOUR
- 2' INDEX CONTOUR
- 25% OR GREATER SLOPES
- 15% - 24.99% SLOPES
- EXISTING WOODED AREA
- SOILS DIVIDE
- EXISTING PERC. TEST LOCATION
- PROPOSED PERC. TEST LOCATION/PASSED



VICINITY MAP
SCALE: 1"=2000'



NOTES

- EXISTING ZONING: RR-DEO/RURAL RESIDENTIAL
- PLAT REFERENCE: PLAT NO. 5085
- TOTAL OF THE LOT: 18.128 ACRES +/-
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE WELL FOR THIS LOT HAS BEEN DRILLED AND FIELD LOCATED HO-81-0775. ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE LOT WHICH MAY AFFECT THIS PROPOSAL HAVE BEEN SHOWN.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PROPOSED DWELLING WILL REQUIRE A BEST AVAILABLE TECHNOLOGY (BAT) SEPTIC SYSTEM.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. (COMAR 26.04.03). 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED.
- THE TOPOGRAPHY IS TAKEN FROM THE HOWARD COUNTY AERIAL PHOTOGRAMMETRY AND IS VERIFIED TO ACCURATELY REFLECT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.

Existing system is sized to accommodate a 5 bedroom home. Any larger home will require an upgrade including BAT.

PURPOSE NOTE:

- THE PURPOSE OF THIS REVISION CHANGES THE LOCATION OF THE POTABLE WATER SUPPLY FOR THE PRINCIPAL DWELLING FROM THE EXISTING WELL HO-81-0775 TO A NEW WELL POSITION NORTHEAST OF THE DWELLING. THE EXISTING WELL HO-81-0775 WILL BE RETAINED AND UTILIZED AS THE POTABLE WATER SUPPLY FOR THE DETACHED GARAGE.
- REMOVE NOTES RELATING TO BAT REQUIREMENTS.

OWNER
JONATHAN CALURE
ROSANNE CALURE
5227 SWEET MEADOW LANE
CLARKSVILLE, MD 21029

APPROVED: FOR PRIVATE WATER AND SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

Bruce D. Burton 10/4/17
HOWARD COUNTY HEALTH OFFICER DATE
240

PERCOLATION CERTIFICATION
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Bruce D. Burton 10/4/17
BRUCE D. BURTON PE DATE
MD. REG. NO. 19184



WHEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 19184, EXPIRATION DATE: 6/30/19.

Bruce D. Burton 10/4/17
BRUCE D. BURTON DATE

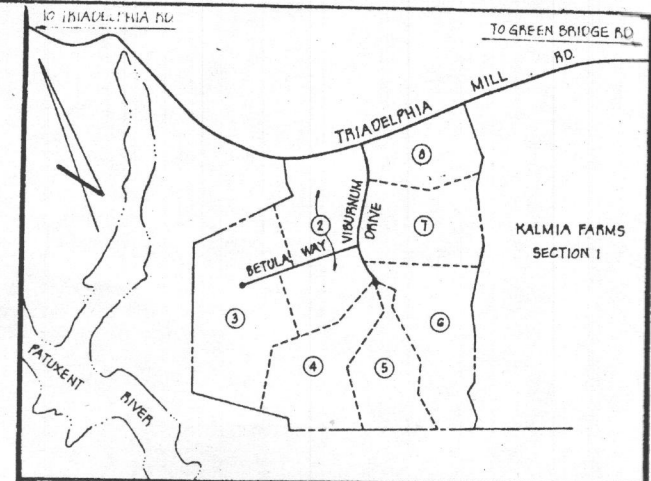
REVISED PERCOLATION CERTIFICATION PLAN

KALMIA FARMS
SECTION 2

LOT 20
TAX MAP 27 GRID 16 PARCEL 22
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
DATE: 10/17 SCALE: 1"=100'

LDE Inc.

Engineers • Surveyors • Planners
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
(410)795-6391 • (410)795-6392 • FAX(410)795-9540 • www.LandSurveyorMD.com



VICINITY MAP
SCALE: 1"=1200'

COORDINATE SCHEDULE						CURVE DATA TABLE							
NO.	NORTH	EAST	NO.	NORTH	EAST	CURVE	RADIUS	LENGTH	Δ	TAN.	CHD BRG & DISTANCE		
1	10377.273	11161.206	37	10206.409	11612.495	2-3	1230.00'	201.57'	09°23'33"	101.01'	566°40'00"E 201.35'		
2	10366.906	11182.533	38	10142.782	11672.481	4-5	2740.00'	374.71'	07°50'08"	187.65'	577°22'54"E 374.42'		
3	10293.993	11370.213	39	10109.688	11856.575	5-6	2740.00'	226.22'	04°43'50"	113.18'	585°39'53"E 226.16'		
4	10220.782	11616.764	40	10004.946	11884.458	4-6	2740.00'	680.94'	12°33'58"	301.68'	579°44'49"E 599.74'		
5	10138.994	11982.138	41	9717.650	11766.845	7-8	2185.00'	59.80'	02°37'01"	49.91'	584°43'18"E 99.79'		
6	10114.037	12206.926	42	9442.703	11557.861	35-36	1245.00'	204.03'	09°23'33"	102.25'	N68°46'09"W 203.80'		
7	10102.616	12371.486	43	9285.001	11463.401	31-38	2755.00'	267.76'	05°34'01"	133.99'	576°14'53"E 267.65'		
8	10093.436	12470.852	44	9270.120	11437.865	38-39	2755.00'	109.01'	02°16'02"	84.51'	580°09'51"E 109.00'		
9	10018.174	13122.634	45	9312.859	11291.434	69-70	2755.00'	227.46'	04°43'50"	113.80'	N83°39'53"W 227.40'		
10	10003.304	13120.676	46	9352.236	11090.259	37-70	2755.00'	604.23'	12°33'58"	303.33'	N79°44'49"W 603.02'		
11	9482.238	13052.059	47	9373.779	10859.575	40-41	575.00'	314.30'	31°19'05"	161.18'	N22°14'45"E 310.40'		
12	9387.000	12992.000	48	9389.190	10694.560	42-43	625.00'	181.95'	16°40'47"	91.62'	N29°33'54"E 181.31'		
13	9356.761	12966.146	49	9419.691	10367.982	45-46	1025.00'	205.34'	11°28'42"	103.02'	578°55'30"E 204.99'		
14	9256.000	12886.000	50	9429.723	10350.706	49-50	25.00'	21.03'	48°11'24"	11.18'	560°33'39"E 20.41'		
15	8715.000	12685.000	51	9363.344	10344.009	50-51	50.00'	241.15'	276°22'48"	-	505°20'13"W 66.67'		
16	8585.000	12550.000	52	9369.908	10363.933	51-52	25.00'	21.03'	48°11'24"	11.18'	571°14'34"W 20.41'		
17	8504.995	12490.813	53	9339.407	10689.911	54-55	275.00'	195.33'	11°28'42"	97.99'	N78°55'30"W 194.99'		
18	8235.000	12293.000	54	9362.453	11085.610	57-58	625.00'	323.63'	29°40'08"	165.53'	N02°25'50"W 320.02'		
19	7852.000	12150.000	55	9264.996	11276.911	58-59	25.00'	30.77'	70°31'39"	17.68'	N18°00'00"E 28.87'		
20	7538.000	11975.000	56	9222.257	11418.402	59-60	50.00'	147.36'	168°51'44"	-	531°09'50"E 99.53'		
21	7483.000	11870.000	57	9192.956	11435.587	60-61	50.00'	71.26'	81°40'51"	43.22'	N23°34'14"E 65.39'		
22	7188.000	11810.000	58	8873.225	11449.168	59-61	50.00'	218.63'	250°31'38"	-	572°00'00"E 81.65'		
23	7005.958	11676.971	59	8845.771	11440.247	62-63	515.00'	218.56'	21°49'06"	110.82'	N06°21'25"W 217.64'		
24	7163.674	11364.519	60	8760.608	11491.754	63-64	575.00'	334.71'	33°21'08"	172.25'	521°13'44"W 330.00'		
25	7527.204	10644.355	61	8820.542	11517.902	62-64	575.00'	553.67'	55°10'15"	300.42'	510°19'10"W 532.53'		
26	7865.386	9974.385	62	8888.066	11496.915	65-66	625.00'	81.94'	07°30'42"	41.03'	534°08'57"W 81.88'		
27	8088.147	10975.589	63	9104.376	11472.818	66-67	625.00'	250.60'	23°48'24"	131.15'	518°29'25"W 257.83'		
28	8215.273	9908.439	64	9411.986	11592.312	65-67	625.00'	341.63'	31°19'05"	175.20'	522°14'45"W 337.30'		
29	8644.480	9344.100	65	9686.933	11806.396	71-72	2170.00'	99.11'	02°37'01"	49.91'	N64°43'18"W 99.10'		
30	10013.429	10021.453	66	9754.695	11852.359								
31	10031.815	10921.036	67	9999.211	11934.127								
32	10035.553	11121.251	68	10097.954	11945.629								
33	10140.996	11113.233	69	10124.167	11979.869								
34	10362.093	11158.123	70	10299.073	12205.687								
35	10353.415	11175.975	71	10087.654	12370.447								
36	10279.613	11365.944	72	10078.537	12469.131								

GENERAL NOTES

- TAX MAP: 27, PARCEL NO. 22
- DEED REFERENCE: 857/56
- COORDINATES SHOWN HEREON ARE BASED ON ASSUMED DATUM
- SUBJECT PROPERTY ZONED R, PER 10-3-77 COMPREHENSIVE ZONING PLAN.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.
- ALL PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED AND ARE SHOWN THUS (o).
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT OF WAY LINE AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.

OWNER / DEVELOPER

KIMBURTHILL, INC.
2901 OLNEY-SANDY SPRING RD
OLNEY, MARYLAND 20832

AREA TABULATIONS

TOTAL NUMBER OF LOTS: 28
TOTAL AREA OF LOTS: 171.554 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: 3.897 AC.
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 175.391 AC.

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STEALING W. RADCLIFF, SECRETARY, 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 OFFICE 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; AND (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 MY/OUR HANDS THIS 121 DAY OF JULY, 1980
KIMBURTHILL, INC.
STEALING W. RADCLIFF, SECRETARY
CARL ORNDORFF, PRESIDENT

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN HUBERTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC., BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel 6-30-80
WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

RECORDED AS PLAT 5081 ON 12-28-81
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

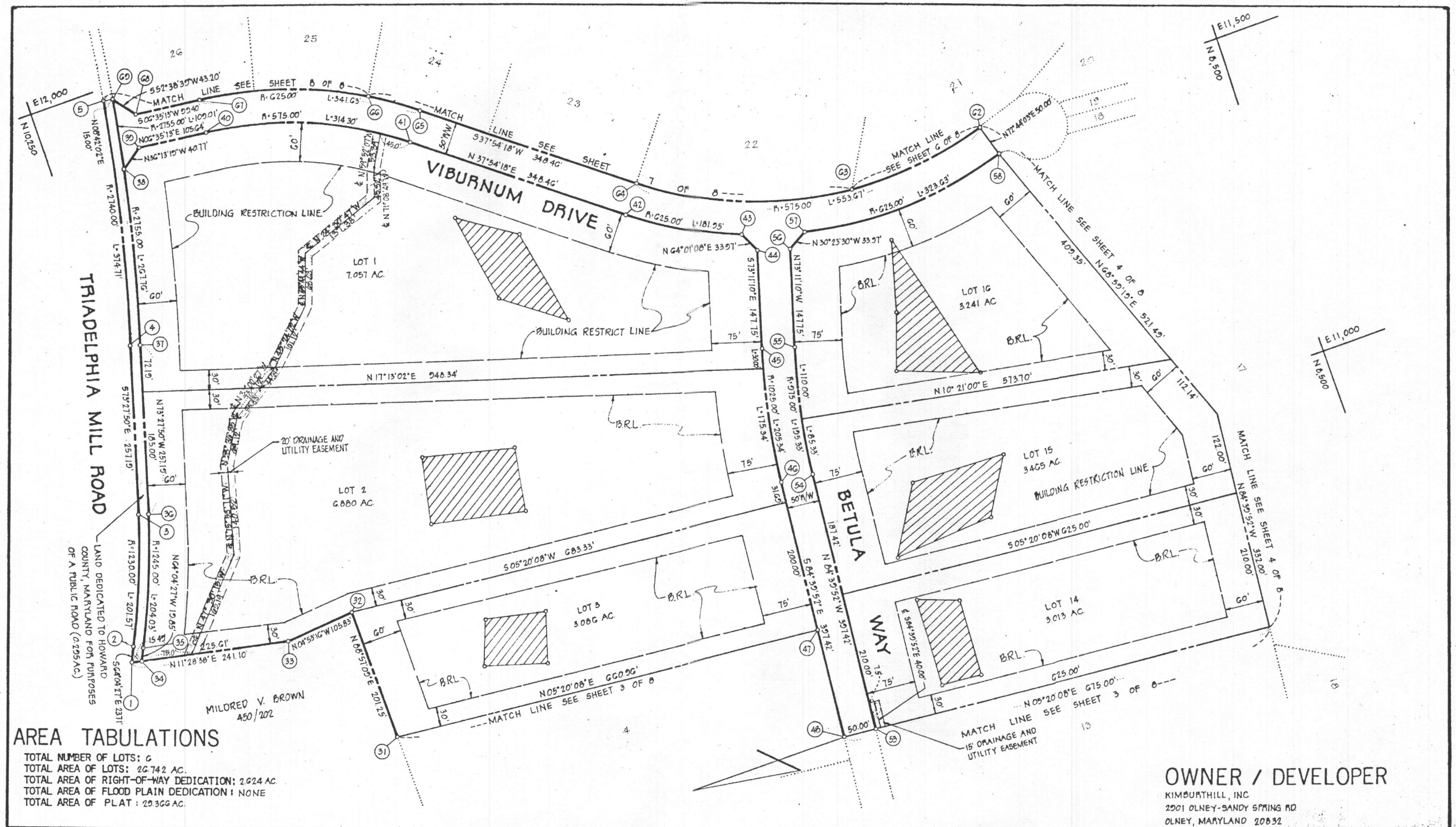
KALMIA FARMS
SECTION 2

SHEET 1 OF 8
TAX MAP: 27
5TH ELECTION DISTRICT
SCALE: 1"=100'

VP-82-37
ZONED: R
HOWARD COUNTY, MARYLAND
DATE: JUNE, 1980

boender associates engineers

693



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

James B. Davis 12-7-81
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas J. Harris 12-21-81
 PLANNING DIRECTOR DATE

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

James F. Nunn 12-18-81

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, 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 OFFICE 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; AND (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 MY/OUR HANDS THIS 16TH DAY OF JULY 1980 KIMBURTHILL, INC.
 STERLING W. RADCLIFF, SECRETARY CARL ORNDORFF, PRESIDENT

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel 6-30-80
 WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

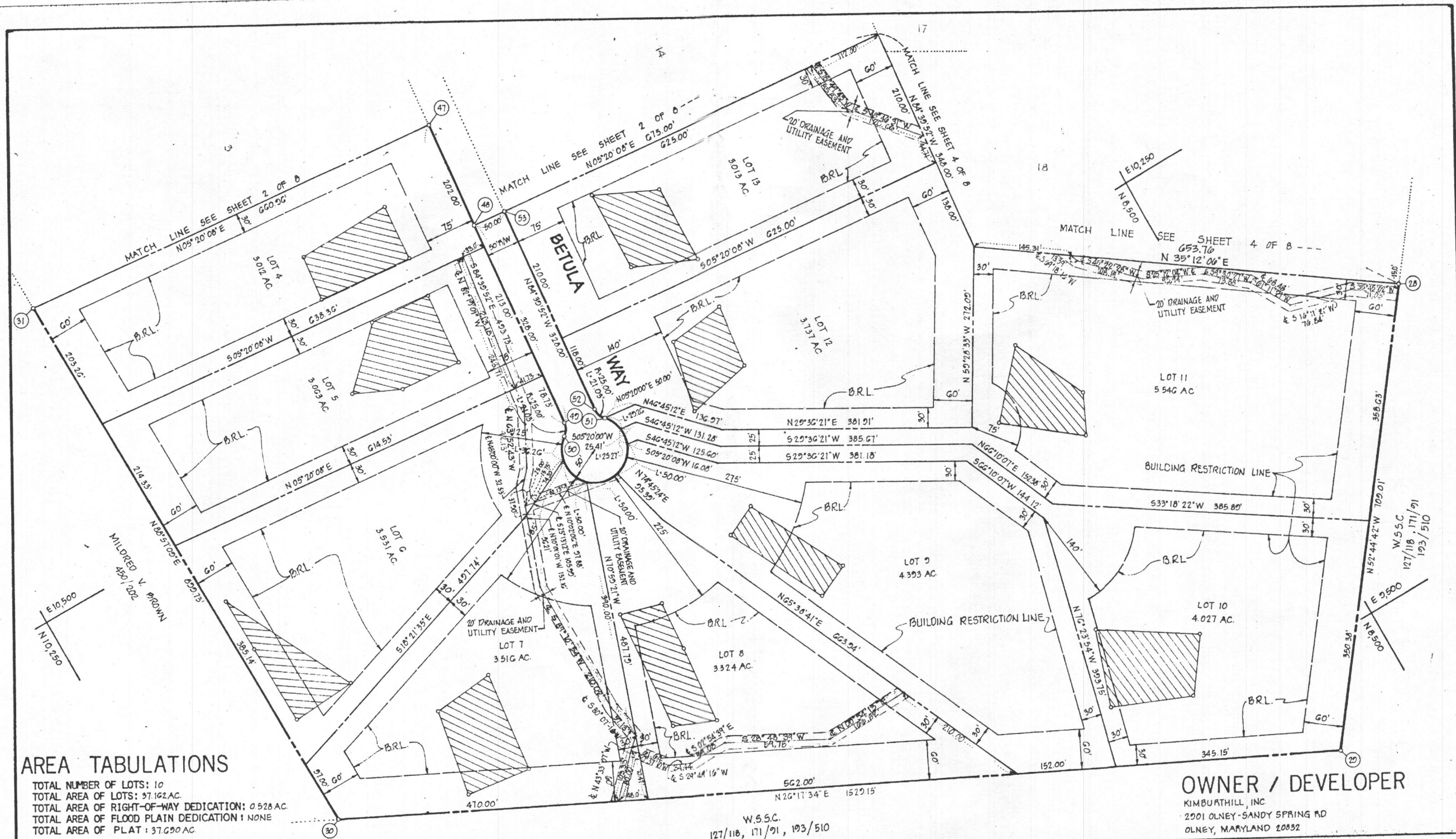
RECORDED AS PLAT 5082 ON 12-28-81
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

KALMIA FARMS SECTION 2

SHEET 2 OF 8
 TAX MAP: 27
 5TH ELECTION DISTRICT
 SCALE: 1"=100'

VF-82-87
 ZONED: R
 HOWARD COUNTY, MARYLAND
 DATE: JUNE, 1980

boender associates engineers
 surveyors
 planners
 SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING
 ELICOTT CITY, MARYLAND 21043



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 10
 TOTAL AREA OF LOTS: 37.162 AC.
 TOTAL AREA OF RIGHT-OF-WAY DEDICATION: 0.528 AC.
 TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
 TOTAL AREA OF PLAT: 37.690 AC.

OWNER / DEVELOPER

KIMBURTHILL, INC.
 2201 OLNEY-SANDY SPRING RD
 OLNEY, MARYLAND 20832

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, 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 OFFICE 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; AND (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 MY/OUR HANDS THIS 1ST DAY OF JULY 1980 KIMBURTHILL, INC.
 By Carl Orndorff CARL ORNDORFF, PRESIDENT
 By Sterling W. Radcliff STERLING W. RADCLIFF, SECRETARY

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel 6-30-80
 WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

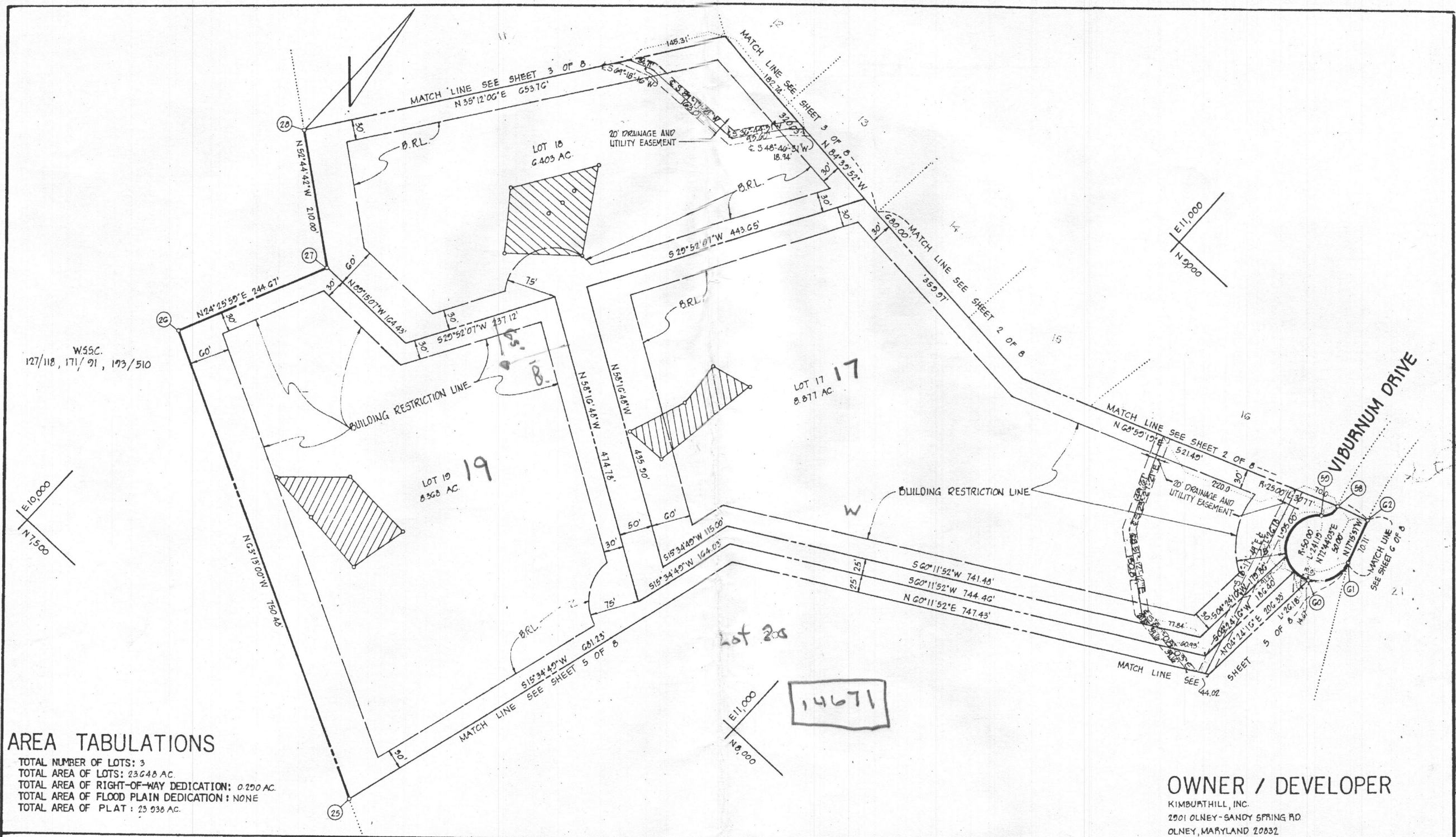
RECORDED AS PLAT 5083 ON 12-28-81
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

KALMIA FARMS SECTION 2

SHEET 3 OF 8 VP-82-37
 TAX MAP: 27 ZONED: R
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' DATE: JUNE, 1980

boender associates engineers/surveyors
 SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING

#193



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 3
 TOTAL AREA OF LOTS: 23.648 AC.
 TOTAL AREA OF RIGHT-OF-WAY DEDICATION: 0.250 AC.
 TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
 TOTAL AREA OF PLAT: 23.938 AC.

OWNER / DEVELOPER

KIMBURTHILL, INC.
 2901 OLNEY-SANDY SPRING RD
 OLNEY, MARYLAND 20832

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, 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 OFFICE 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; AND (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 MY/OUR HANDS THIS 1ST DAY OF JULY 1980 KIMBURTHILL, INC.
 BY Carl Orndorff CARL ORNDORFF, PRESIDENT
 BY Sterling W. Radcliff STERLING W. RADCLIFF, SECRETARY

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel 6-20-80
 WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

RECORDED AS PLAT 5084 ON 12-28-81
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

KALMIA FARMS SECTION 2

SHEET 4 OF 6 V.P. 82-57
 TAX MAP: 27 ZONED: R
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' DATE: JUNE, 1980

boender associates engineers

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

James M. Byrd 11-2-81
 HOWARD COUNTY HEALTH OFFICER DATE

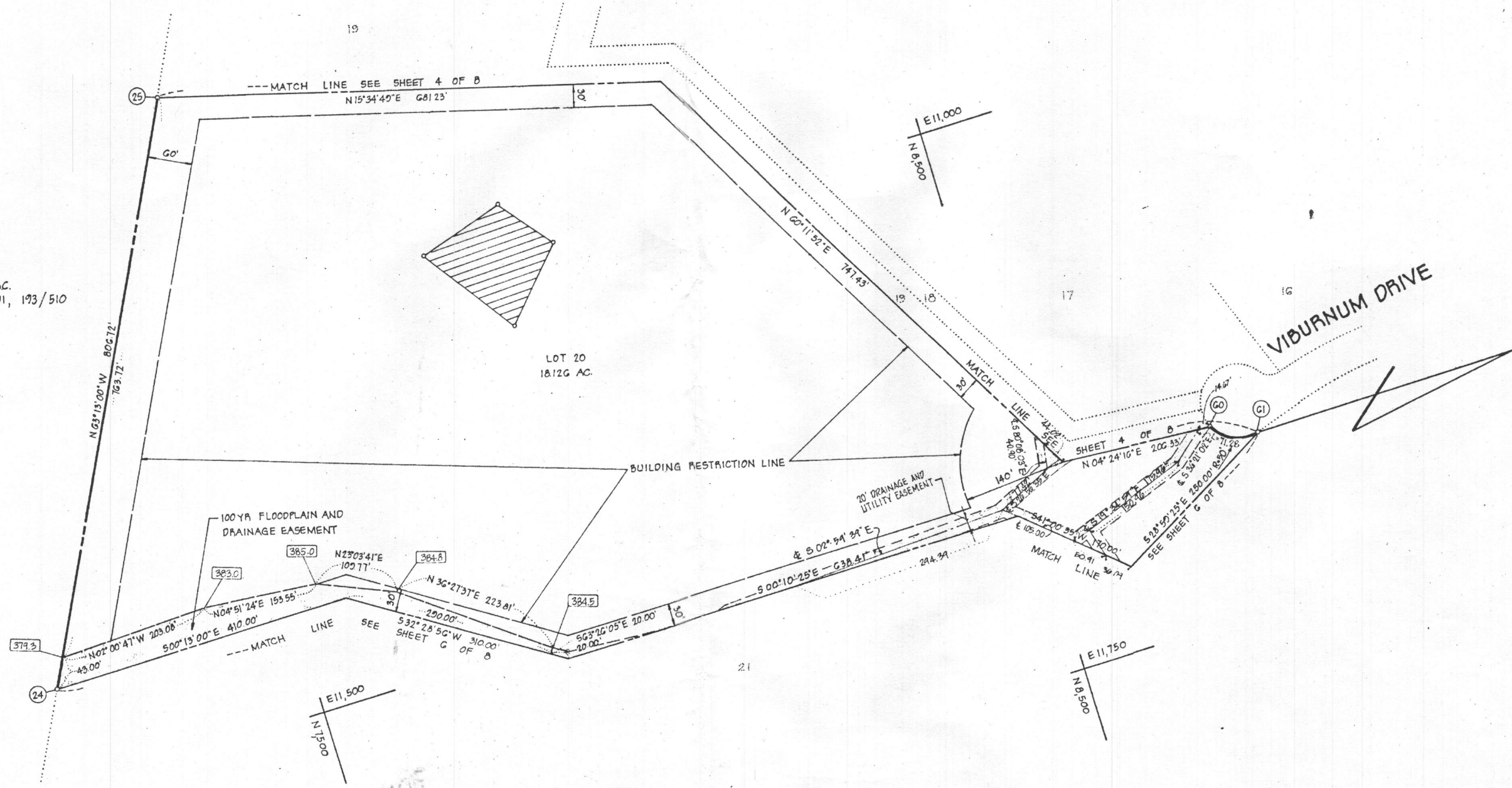
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas L. Harris 12-21-81
 PLANNING DIRECTOR DATE

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

Walter F. Nunn 12-18-81
 DIRECTOR DATE

W.S.S.C.
127/118, 171/21, 193/510



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 1
TOTAL AREA OF LOTS: 18.12G AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 18.12G AC.

OWNER / DEVELOPER

KIMBURTHILL, INC.
2901 OLNEY-SANDY SPRING RD
OLNEY, MARYLAND 20832

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, 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 OFFICE 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; AND (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 MY/OUR HANDS THIS 1ST DAY OF JULY 1980 KIMBURTHILL, INC.
BY Carl Orndorff CARL ORNDORFF, PRESIDENT
BY Sterling W. Radcliff STERLING W. RADCLIFF, SECRETARY

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A COVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel 6-30-80
WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE

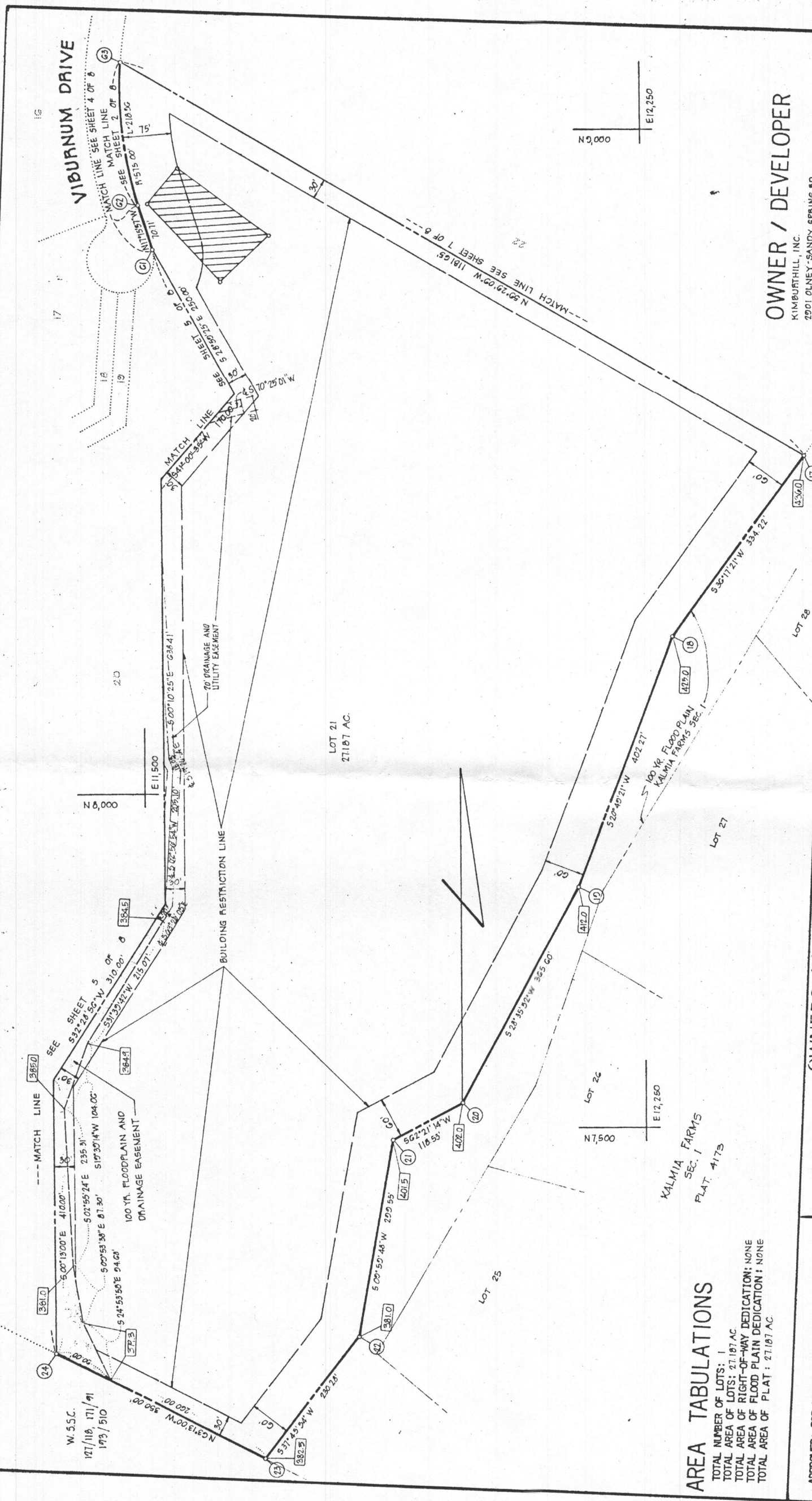
RECORDED AS PLAT 5085 ON 12-28-81
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

KALMIA FARMS SECTION 2

SHEET 5 OF 8 V.P.-82-97
TAX MAP: 27 ZONED: R
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=100' DATE: JUNE, 1980

boender associates engineers
surveyors
planners
SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING
11000 ROCKVILLE PIKE, SUITE 102-107, ROCKVILLE, MARYLAND 20852

#693



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 1
TOTAL AREA OF LOTS: 271.87 AC
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 271.87 AC

OWNER / DEVELOPER

KIMBURTHILL, INC.
2901 OLNEY-SPRING RD
OLNEY, MARYLAND 20852

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE 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; AND (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/OUR HANDS THIS 1ST DAY OF JULY 1980
KIMBURTHILL, INC.
STERLING W. RADCLIFF, SECRETARY
CARL ORNDORFF, PRESIDENT

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

WILLIAM G. HARTEL, P.L.S. NO. 9436
DATE 6-29-80

RECORDED AS PLAT 5086 ON 12-28-81
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**KALMIA FARMS
SECTION 2**

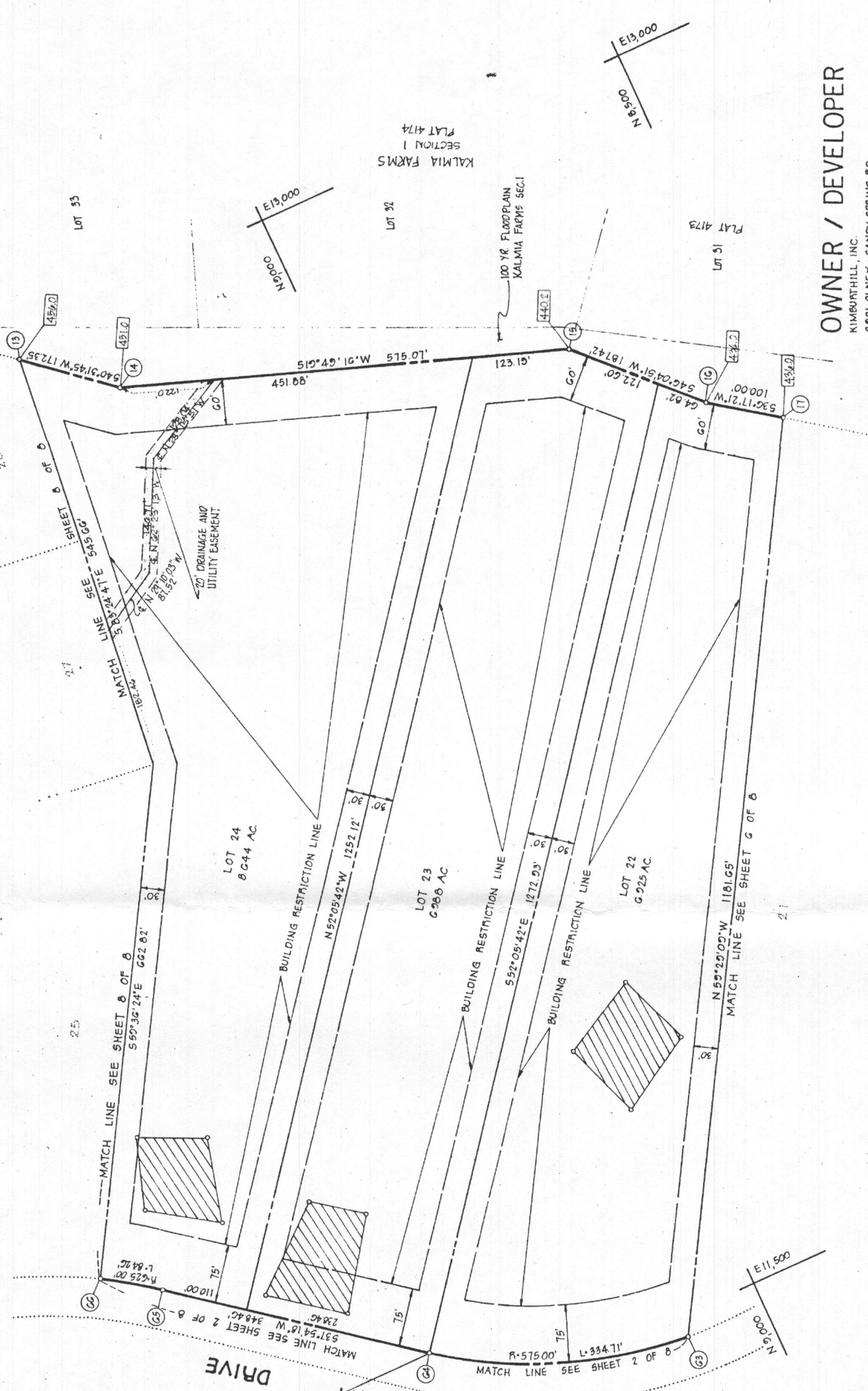
SHEET 6 OF 8
TAX MAP 27
5TH ELECTION DISTRICT
SCALE: 1"=100'
ZONED: R
HOWARD COUNTY, MARYLAND
DATE: JUNE 1980

boender associates engineers/surveyors
SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING
ELICOTT CITY, MARYLAND 21043

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John P. B... 12-21-81
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas J. B... 12-21-81
PLANNING DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
W. F. N... 12-21-81
DIRECTOR DATE



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 3
TOTAL AREA OF LOTS: 22.557 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: NONE
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 22.557 AC.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	<i>John F. Nunn</i> HOWARD COUNTY HEALTH OFFICER	DATE 12-7-81
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.	<i>Thomas J. Harris</i> PLANNING DIRECTOR	DATE 12-21-81
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	<i>John F. Nunn</i> DIRECTOR	DATE 12-18-81

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE OFFICE 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 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; AND (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 MY/OUR HANDS THIS 1ST DAY OF JULY 1980

Carl Orndorff
CARL ORNDORFF, PRESIDENT

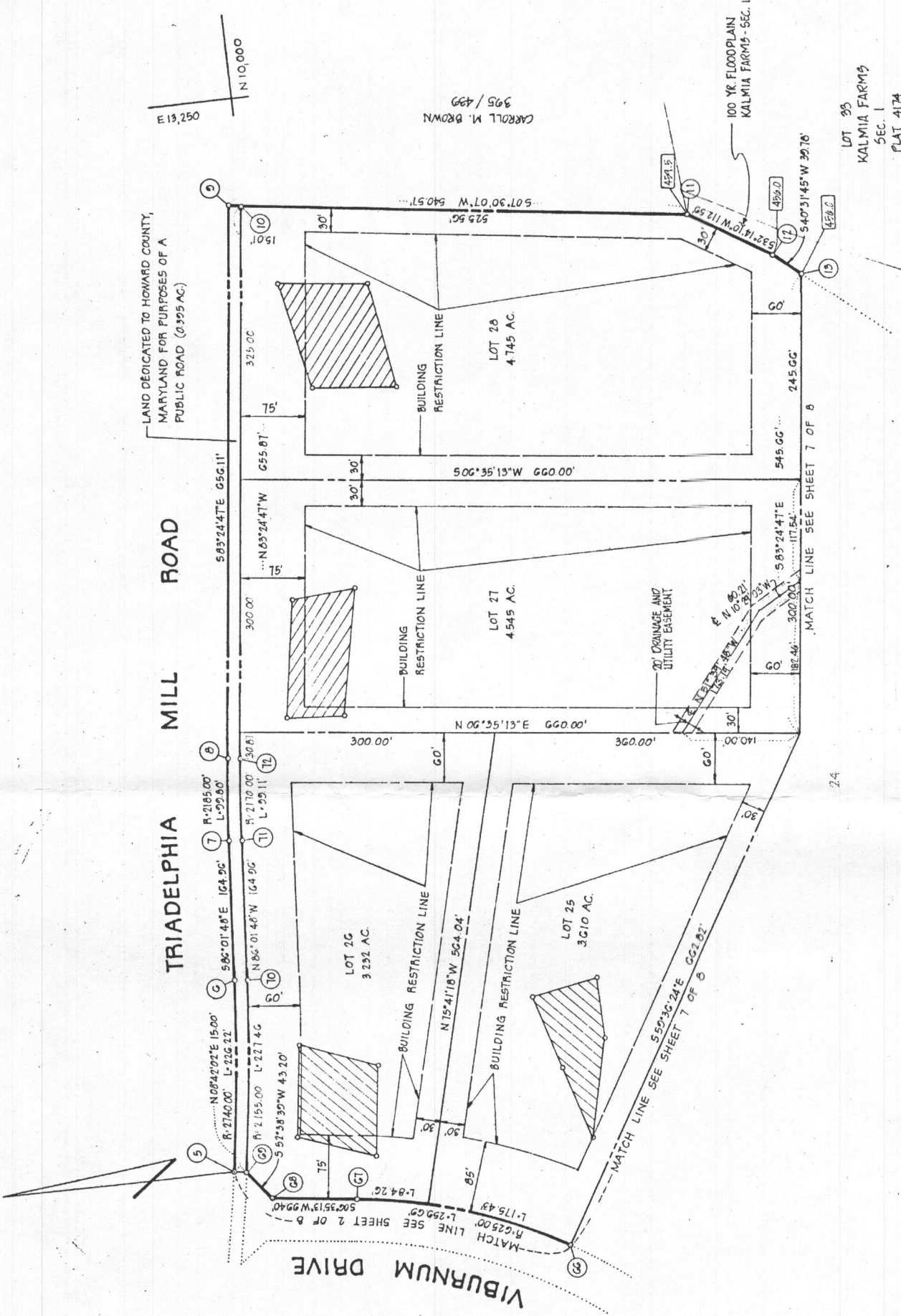
Sterling W. Radcliff
STERLING W. RADCLIFF, SECRETARY

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

WILLIAM G. HARTEL, P.L.S. NO. 9436 DATE
William G. Hartel 12-21-81

RECORDED AS PLAT 5087 ON 12-28-81 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND	KALMIA FARMS SECTION 2	SHEET 7 OF 8
OWNER / DEVELOPER KIMBURTHILL, INC. 2201 OLNEY - SANDY SPRING RD OLNEY, MARYLAND 20832	5TH ELECTION DISTRICT	TAX MAP: 27
boender associates engineers/surveyors SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING	HOWARD COUNTY, MARYLAND	ZONED: 16
	SCALE: 1"=100'	DATE: JUNE, 1980



AREA TABULATIONS

TOTAL NUMBER OF LOTS: 4
TOTAL AREA OF LOTS: 16.192 AC.
TOTAL AREA OF RIGHT-OF-WAY DEDICATION: 0.395 AC
TOTAL AREA OF FLOOD PLAIN DEDICATION: NONE
TOTAL AREA OF PLAT: 16.577 AC.

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

James H. Hargis
HOWARD COUNTY HEALTH OFFICER
DATE: 12-21-81

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

James H. Hargis
PLANNING DIRECTOR
DATE: 12-21-81

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

W. F. Nutter
DIRECTOR
DATE: 12-18-81

OWNERS DEDICATION

WE, KIMBURTHILL, INC., A MARYLAND CORPORATION, BY CARL ORNDORFF, PRESIDENT AND STERLING W. RADCLIFF, SECRETARY, 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 OFFICE 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 STREETS AND/OR ROADS AND FLOOD PLAINS 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 FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE, AND (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/OUR HANDS THIS 15TH DAY OF JULY 1980 KIMBURTHILL, INC.
Carl Orndorff PRESIDENT
Sterling W. Radcliff SECRETARY

SURVEYORS CERTIFICATE

I, HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LANDS DESCRIBED IN A CONVEYANCE FROM JOHN H. BURTON AND ABBIE H. BURTON, HIS WIFE, TO KIMBURTHILL, INC. BY DEED DATED NOVEMBER 15, 1977 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 857 AT FOLIO 56 AND THAT ALL MONUMENTS ARE IN PLACE AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

William G. Hartel
WILLIAM G. HARTEL, P.L.S. NO. 9436
DATE: 6-20-80



OWNER / DEVELOPER

KIMBURTHILL, INC.
2001 OLNEY-SANDY SPRING RD
OLNEY, MARYLAND 20832

RECORDED AS PLAT 5088 ON 12-28-81
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

KALMIA FARMS

SECTION 2

SHEET 8 OF 8
TAX MAP: 21
5TH ELECTION DISTRICT
SCALE: 1"=100'
ZONED: R
HOWARD COUNTY, MARYLAND
DATE: JUNE, 1980

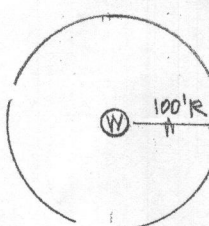
boender associates engineers/surveyors
SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING
11100 WOODBURN AVE. WASHINGTON, D.C. 20032

SOILS LEGEND

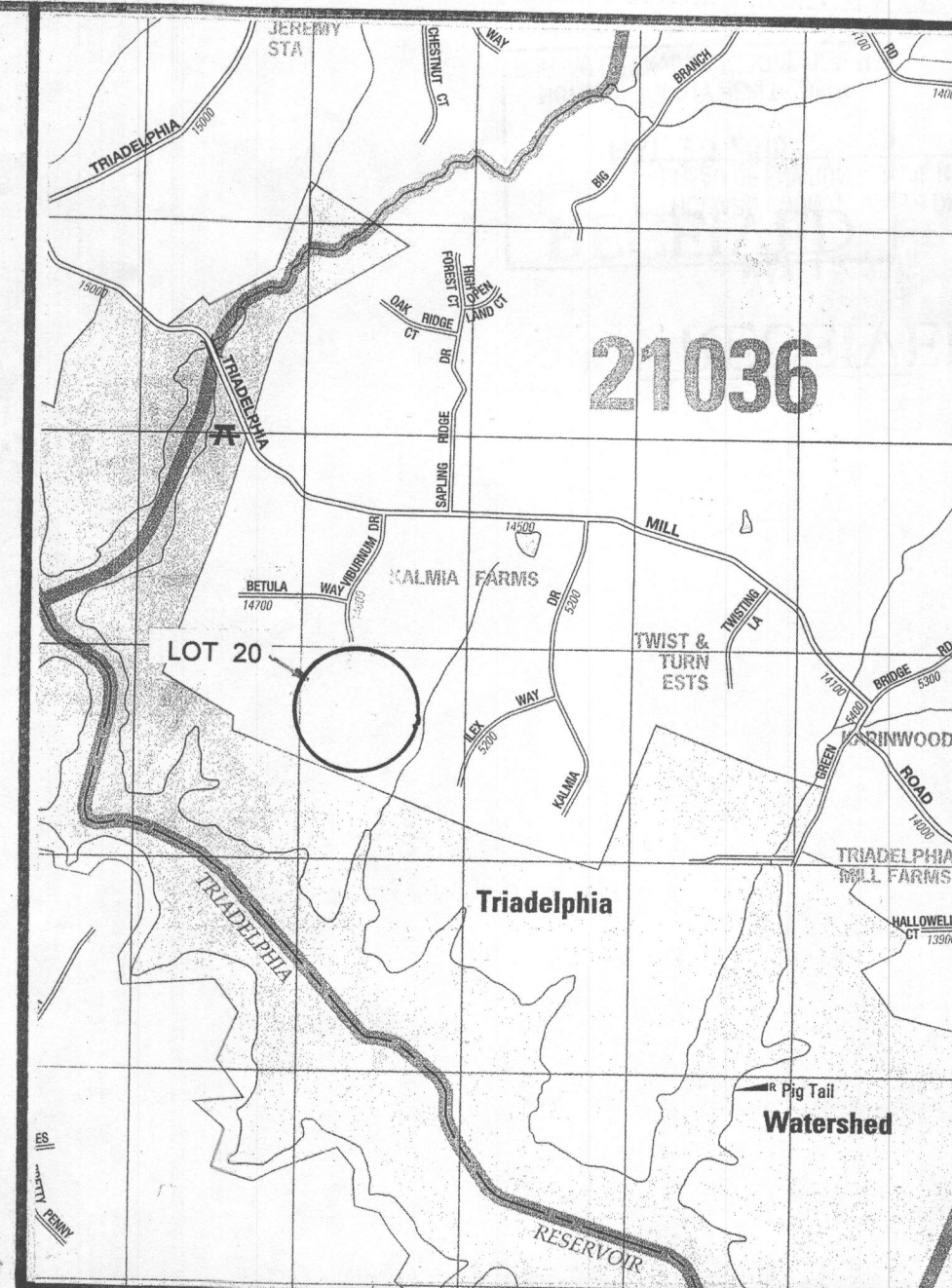
GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
GoB	GLENVILLE - CODORUS SILT LOAMS	8% - 15% SLOPES
MaC	MANOR LOAM	8% - 15% SLOPES
McD	MANOR LOAM	15% - 25% SLOPES

LEGEND

- 10' INDEX CONTOUR
- 2' INDEX CONTOUR
- 25% OR GREATER SLOPES
- 15% - 24.99% SLOPES
- EXISTING WOODED AREA
- SOILS DIVIDE
- EXISTING PERC. TEST LOCATION
- PROPOSED PERC. TEST LOCATION/PASSED



EXISTING WELL
A-DENOTES ALTERNATE WELL



VICINITY MAP
SCALE: 1"=2000'

NOTES:

- EXISTING ZONING: RR - DEO/RURAL RESIDENTIAL
- PLAT REFERENCE: PLAT NO. 5085
- TOTAL OF THE LOT: 18.126 ACRES +/-
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM LOT AREA AND OWNERSHIP WIDTH AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE WELL FOR THIS LOT HAS BEEN DRILLED AND FIELD LOCATED HO-81-0775.
- ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE LOT WHICH MAY AFFECT THIS PROPOSAL HAVE BEEN SHOWN.
- ANY CHANGES TO THE PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAT.
- THE PROPOSED DWELLING WILL REQUIRE A BEST-AVAILABLE TECHNOLOGY (BAT) SEPTIC SYSTEM.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE REQUIRED.
- THE TOPOGRAPHY IS TAKEN FROM THE HOWARD COUNTY AERIAL PHOTOGRAMMETRY AND IS VERIFIED TO ACCURATELY REFLECT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.

Existing system is sized to accommodate up to 5 bedroom home. Any larger home will require an upgrade including BAT.

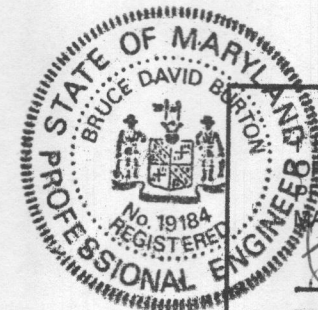
OWNER
JONATHAN CALURE
ROSANNE CALURE
5227 SWEET MEADOW LANE
CLARKSVILLE, MD 21029

PERCOLATION CERTIFICATION PLAN KALMIA FARMS SECTION 2 LOT 20

TAX MAP 27, GRID 16, PARCEL 22
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
DATE: 4/16 SCALE: 1" = 100'

LDE Inc.

Engineers • Surveyors • Planners
Historic Carriage House • 7520 Main Street • Suite 203 • Sykesville, Maryland • 21784
(410)795-6391 • (410)795-6392 • FAX (410)795-9340 • www.Landsurveyor.com



HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19184, EXPIRATION DATE: 6/30/17.
BRUCE D. BURTON 5/13/16
BRUCE D. BURTON DATE

PERCOLATION CERTIFICATION
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
BRUCE D. BURTON 5/13/16
BRUCE D. BURTON PE DATE
MD. REG. NO. 19184

APPROVED FOR PRIVATE WATER AND SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE
H.O. 5/25/16
1790

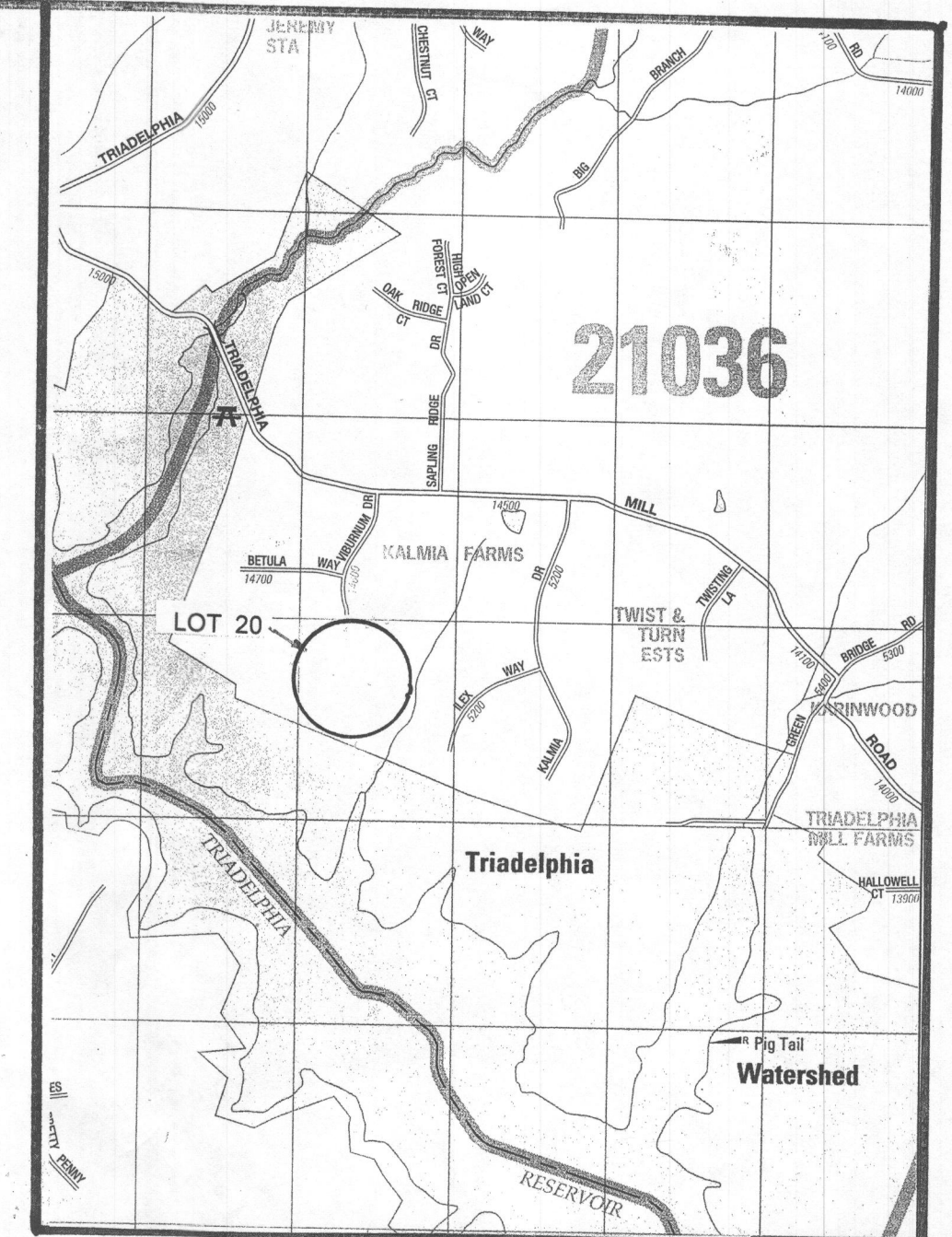
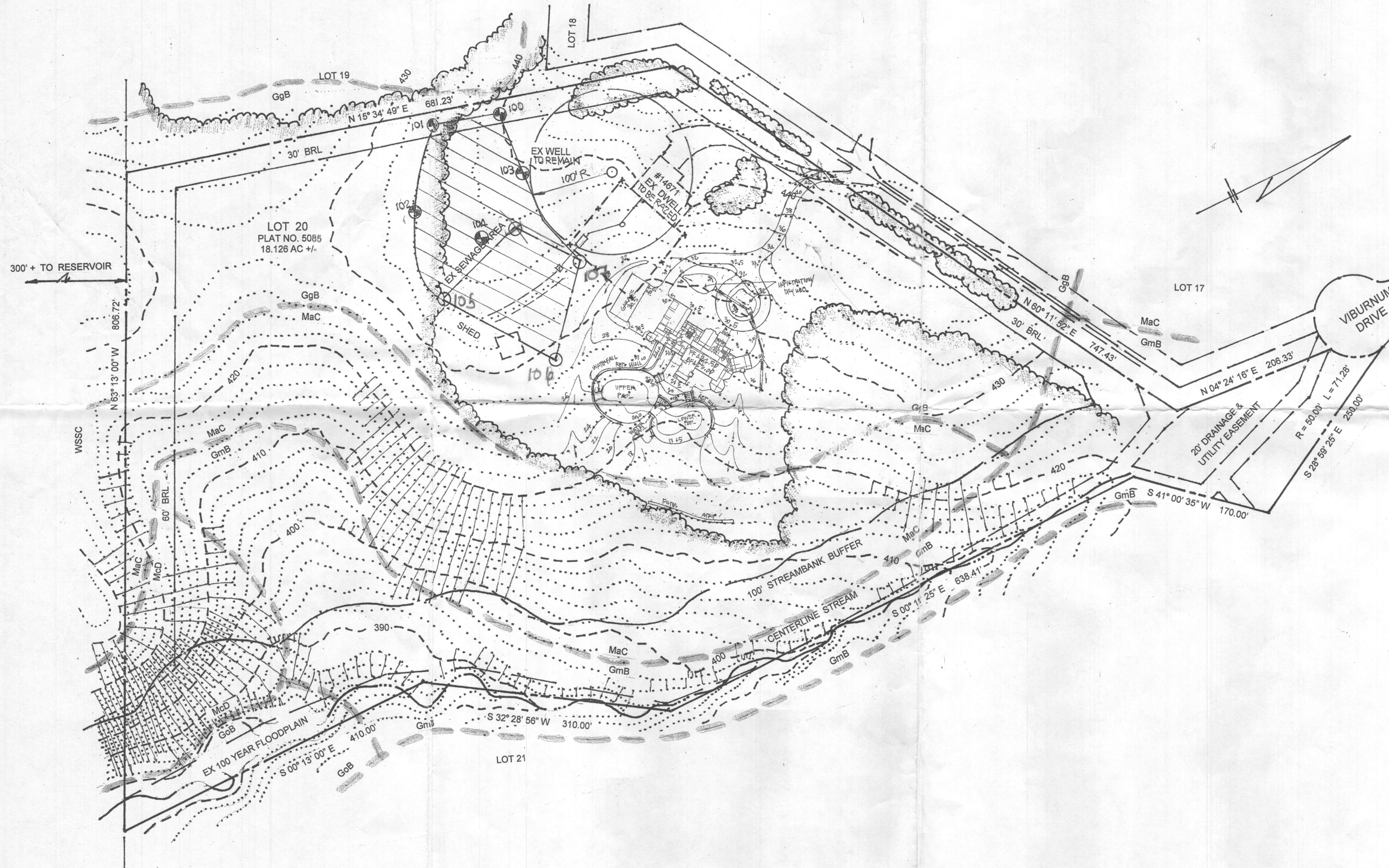
Superseded by perc signed 10/18/17

SOILS LEGEND

GgB	GLENELG LOAM	3% - 8% SLOPES
GmB	GLENELG SILT LOAM	3% - 8% SLOPES
GoB	GLENVILLE - CODORUS SILT LOAMS	8% - 15% SLOPES
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LEGEND

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- 25% OR GREATER SLOPES
- 15% - 24.99% SLOPES
- EXISTING WOODED AREA
- SOILS DIVIDE
- EXISTING PERC. TEST LOCATION
- PROPOSED PERC. TEST LOCATION



VICINITY MAP
SCALE: 1"=2000'

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4/13 NEW TEST
PLAN

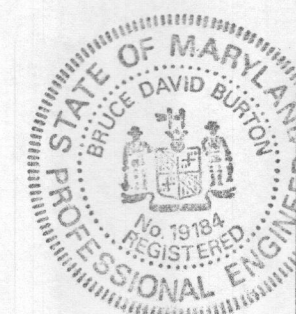
OWNER
JONATHAN CALURE
ROSANNE CALURE
5227 SWEET MEADOW LANE
CLARKSVILLE, MD 21029

APPROVED FOR PRIVATE WATER AND SEWERAGE
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE

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BRUCE D. BURTON PE DATE
MD. REG. NO. 19184



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PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF
MARYLAND, LICENSE NO. 19184, EXPIRATION DATE: 6/30/17.

BRUCE D. BURTON DATE

PERCOLATION TEST APPLICATION PLAN
KALMIA FARMS
SECTION 2

TAX MAP 27 GRID 16 PARCEL 22
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
DATE: 4/16 SCALE: 1"= 100'

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4/13