

04-351223

PUB. SEWER STATUS VERIFIED BY _____

ISSUE DATE: _____

APPROVAL DATE: _____

PERMIT INDEXED

P _____

A 43275

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

_____ IS PERMITTED TO INSTALL ☐ ALTER ☒

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Cattail Creek Country Club LOT NUMBER: 48

ADDRESS: 3607 Sycamore Valley Run PROPERTY OWNER: Edwin Gramkow

SEPTIC TANK CAPACITY (GALLONS): _____

PUMP CHAMBER CAPACITY (GALLONS): _____

NUMBER OF BEDROOMS: _____

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: _____

TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	_____
PURPOSE:	_____

PLANS APPROVED: _____ DATE: _____

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

443275

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 43275
P _____
DISTRICT 4
DATE 12/9/88

INDEXED

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Egwood Farm Inc C/O Land Design + Development
ADDRESS 8307 Main St PHONE 461-4620
PROSPECTIVE BUYER N/A
ADDRESS _____
PROPERTY LOCATION: Cattail Creek Country Club
SUBDIVISION Clark Sycamore Valley LOT NO. (38 A+B) New #23
ROAD AND DESCRIPTION Roxbury + Dorsey Mill
3607 SYCAMORE VALLEY RUN N. #34
TAX MAP 21 PARCEL # 6
SIZE OF LOT - 5.4 AC. TYPE BLDG. SFD
(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.

Mal D. Kei
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____
REJECTED BY _____ FOR _____ DATE _____
HOLD PENDING FURTHER TESTS _____ DATE _____
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

43275

(EXISTING HOMES)
(2)

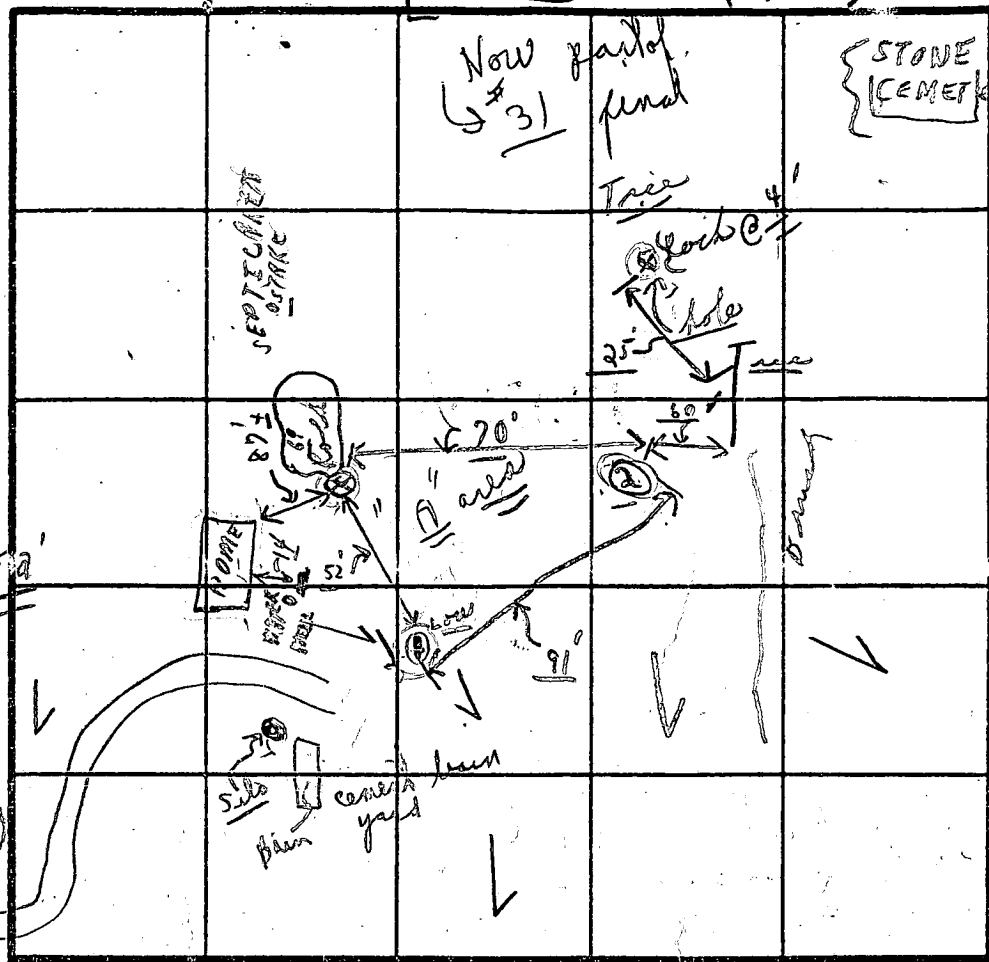
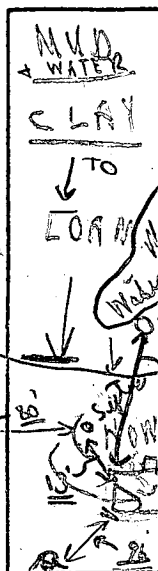
(#33) Hold(-Road) for the lot over hole
(R/W)

11/13
10:26
Water around
ground brought
at

A 43275

#38 A+B

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

R.T. 97

22 min average
"A" outlet 4'

"B" inlet 6'

7'-9 1/2' 5090± ROCK

7'-10 1/2' 5095± ROCK

e 11:32 water from surface well into hole

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1' DROP START	TEST - 1' DROP STOP	TIME
11/13/87	(1)	4'	10:28	10:31	10:31	10:35	4 min
Friday	(1)	9 1/2'		5' solid			
A	(2)	3 1/2'	10:32	10:34	10:34	10:38	4 min
=	(2)	10 1/2'	(solid)				
	(3)	6'	10:56	10:59	10:59	11:06	7 min
B	(3)	13'		(6' 6" 13' LOAM)			
	(4)	7' 1/2'	11:18	11:29	11:29	11:5	27 min
	(4)	12 1/2'		Vertical LOAM 6 1/2' to 12 1/2'			
	(5)	"NOT DUG"					
	(6)						

REMARKS

A Tests in open near home ; B Tests in open

TYPE OF SOIL

11/13 Holes dug before

Backhoe, LOADER

TESTED BY

C.B.S.

Sanitarian Trench on lots

ALSO PRESENT

CROVO RORER
C. Kellerman
4 men

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION SYCAMORE VALLEY LOT NO. #34

ROAD AND DESCRIPTION Existing home near RY97

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(SIGNATURE OF APPLICANT) _____

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

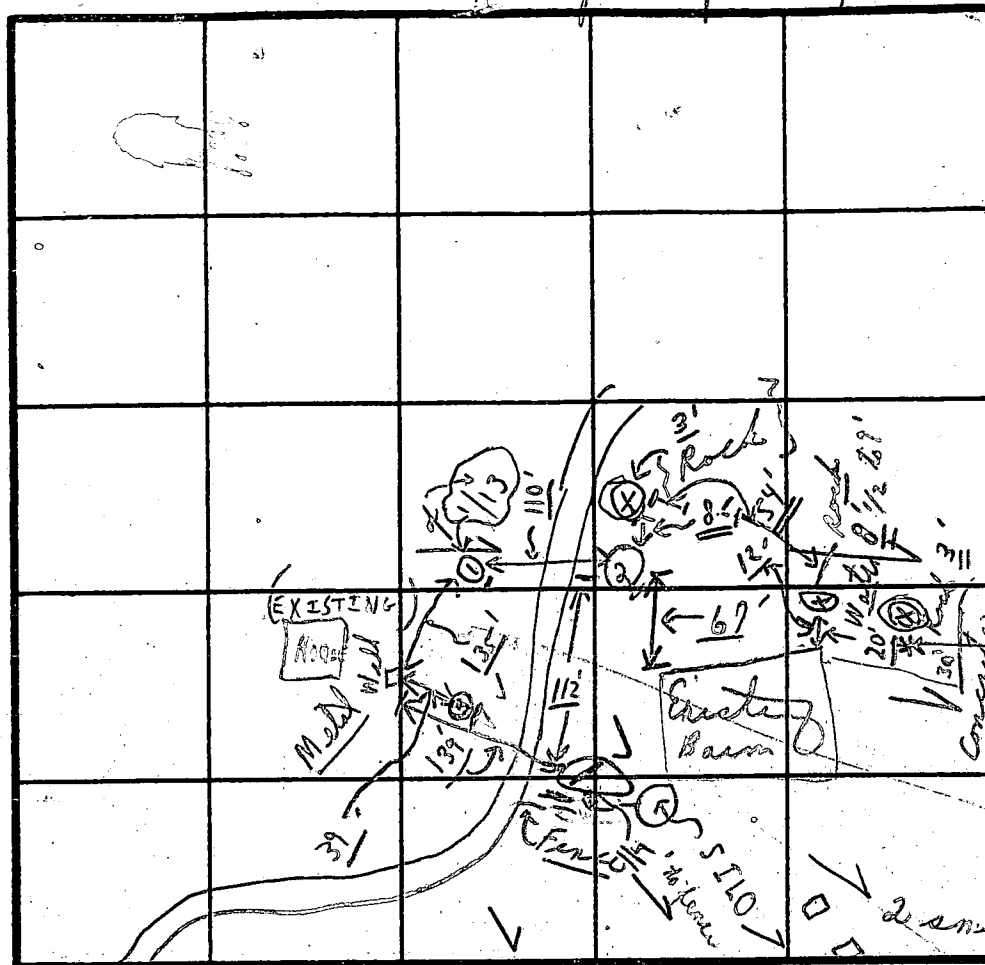
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

Now part of #31 final



INDICATE NORTH · NAME ADJOINING ROADWAY AS BASE LINE

K 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/23/89	①	5 1/2'	10:18	10:20	10:20	10:23	3 min
# 1.2	①	11'	" L	0 AM	" (No	STONE)	
LOT THIS DAY	②	3 1/2'	10:24	10:27	10:27	10:33	6 min
	②	9 1/2'		40%	± (small stones)		
clay	③	511' 9"	5%	1' 24" ± clay ROCK		4' 11-9"	
	③	(Visual near water well)				Down hill	
Use	④						
of	④	(Shallow; unform)					
1/13/89							

REMARKS

TYPE OF SOIL

TESTED BY

C. B. N.

ALSO PRESENT

{ O. Ketterman }
+ son + daughter
{ John Ketter }
John Ketter

C 1		09853		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE				THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.									
1 2 3 4 5 6										COUNTY NUMBER									
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 11 10 02				Depth of Well 22 500 26 (TO NEAREST FOOT)				PERMIT NO. FROM "PERMIT TO DRILL WELL" 140-69-6346 28 29 30 31 32 33 34 35 36 37									
OWNER GRANKOW, Edwin STREET OR RFD 3607 Sycamore Valley SUBDIVISION CATTAIL Creek TOWN GLENWOOD SECTION LOT										- 0063									
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING						GROUTING RECORD yes no WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N 44 44 TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC 45 46 45 46 NO. OF BAGS NO. OF POUNDS GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 54 BOTTOM 58 ft. (enter 0 if from surface)						C 3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) 3 8 9 PUMPING RATE (gal. per min.) 30. 11 15 METHOD USED TO MEASURE PUMPING RATE Bucholtz WATER LEVEL (distance from land surface) BEFORE PUMPING 50 ft. 17 20 WHEN PUMPING 500 ft. 22 25 TYPE OF PUMP USED (for test) A air P piston T turbine 27 27 27 C centrifugal R rotary O other (describe below) 27 27 27 J jet S submersible 27 27							
DESCRIPTION (Use additional sheets if needed)						C 2 1 2 DEPTH (nearest ft.) E A C H C A S I N G 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to						PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A, C, J, P, R, S, T, O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE (nearest foot) - below 49 50 51							
DEEPEMED FROM Gray mica 100 385 Opening 385 386 Gray mica 386 500						OTHER CASING (if used) diameter inch depth (feet) from to N/A						SCREEN RECORD screen type or open hole (insert appropriate code below) ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER							
NUMBER OF UNSUCCESSFUL WELLS: 0						WELL HYDROFRACTURED yes no Y N						C 2 1 2 DEPTH (nearest ft.) E A C H C A S I N G 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to				LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) see plot			
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.						DRILLERS LIC. NO. 1 MW D 040 George F. Estenbury DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 JS D 638 Bruce Thompson SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)						GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA							

C1 09853

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED AFTER
WELL IS COMPLETED.COUNTY
NUMBER

Correction

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"DATE Received
RIM 09 25 2007
B 13

MM 7/1/02 YY 20

22 500 26
(TO NEAREST FOOT)140-69 0062
28 29 30 31 32 33 34 35 36 3

OWNER

GRANKOW, Edwin

STREET OR RFD

3607 Sycamore Valley

TOWN

GLENWOOD

SUBDIVISION

CATTAIL Creek

SECTION

LOT

48

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

check
if water
bearingDEEPEMED
FROM

Gray Mica

100 385

Opening

385 386

Gray Mica

386 500

GROUTING RECORD

yes no

WELL HAS BEEN GROUTED
(Circle Appropriate Box)Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 45 46

NO. OF POUNDS 45 46

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)casing
types
insert
appropriate
code
below

CASING RECORD

ST

PL

CO

OT

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

60 61 63 64 66 70

E
A
C
H
C
A
S
I
N
G

OTHER CASING (if used)

diameter depth (feet)
inch from to

N/A

screen type
or open hole
(insert
appropriate
code
below)

SCREEN RECORD

ST

BR

PL

HO

OT

OTHER

C 2

DEPTH (nearest ft.)

1 2 8 9 11 15 17 21

23 24 26 30 32 36

38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER
OF SCREEN (NEAREST
INCH)

56 60

from to

GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL
INSERT F IN BOX 68MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q

70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min.)

30

METHOD USED TO
MEASURE PUMPING RATE

Buchak

WATER LEVEL (distance from land surface)

BEFORE PUMPING

50 ft.

WHEN PUMPING

500 ft.

TYPE OF PUMP USED (for test)

A air

P piston

T turbine

C centrifugal

R rotary

O other
(describ
below)

J jet

S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO
(CIRCLE) (YES OR NO)IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 28.CAPACITY
GALLONS PER MINUTE
(to nearest gallon)

31 32

PUMP HORSE POWER

37 41

PUMP COLUMN LENGTH
(nearest ft.)

43 47

CASING HEIGHT (circle appropriate box
and enter casing height)

+ above

LAND SURFACE

- below

(nearest
foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES
AND INDICATE NOT LESS THAN
TWO DISTANCES
(MEASUREMENTS TO WELL)see
plot

DRILLERS LIC. NO. 1

MW D 040

George F. Estenbury

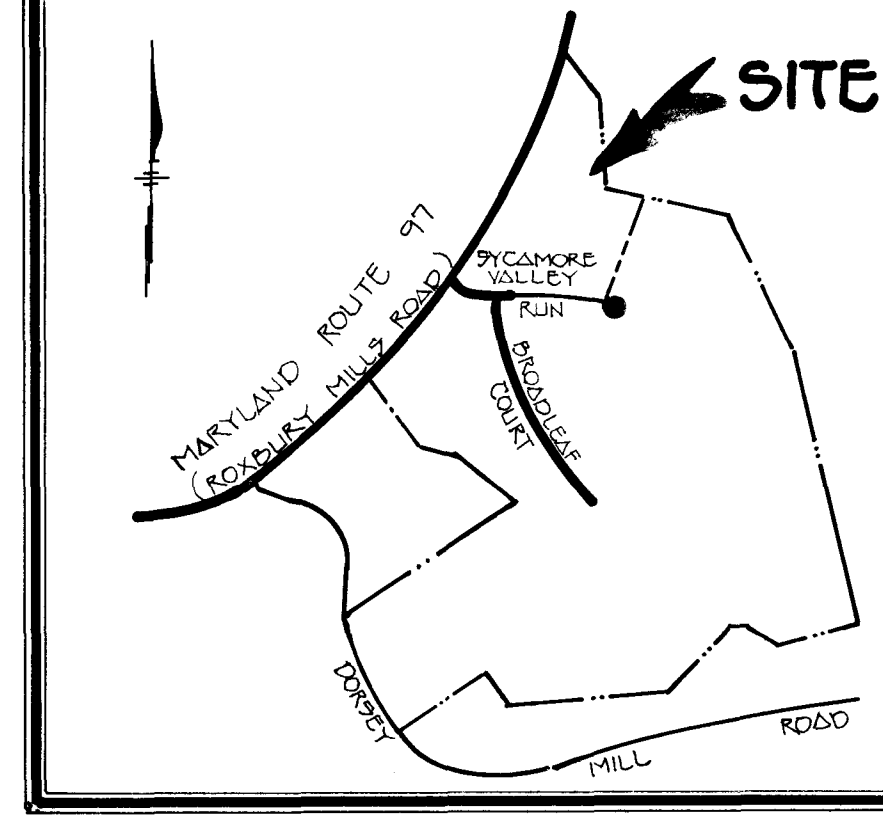
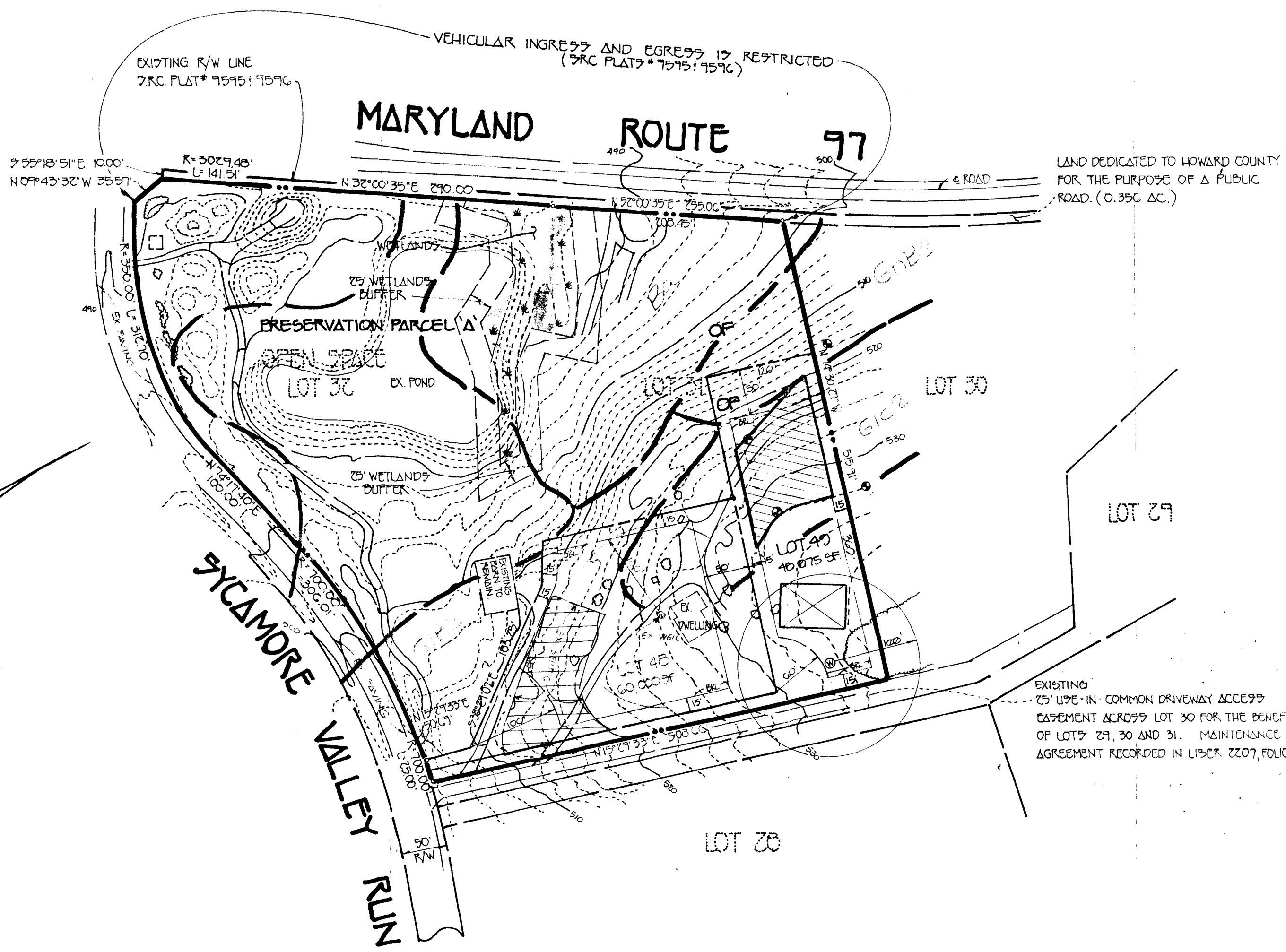
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

JS D 638

Blue Thompson

SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)



VICINITY MAP
SCALE: 1" = 1000'

GENERAL NOTES

1. THIS PROPERTY IS ZONED R-C
2. TOTAL NUMBER OF PROPOSED BUILDABLE LOTS = 2
3. TOTAL NUMBER OF PROPOSED PRESERVATION PARCELS = 1
4. TOTAL AREA OF BUILDABLE LOTS = 2.461 AC.±
5. TOTAL AREA OF PRESERVATION PARCELS TO BE RECORDED = 6.231 AC.±
6. TOTAL AREA TO BE RECORDED = 8.692 AC.±
7. THIS AREA DESIGNATES A PRIVATE SEWERAGE 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 SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
8. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. DENOTES PROPOSED WELL LOCATION
10. DENOTES PROPOSED HOUSE LOCATION
11. TOPOGRAPHY BY PHOTO SCIENCE, INC. FLOWN IN 1993
12. SOILS MAP #17
13. DENOTES PERC HOLE
14. DENOTES FAILED PERC HOLE

EXISTING
25' USE-IN-COMMON DRIVEWAY ACCESS
EASEMENT ACROSS LOT 30 FOR THE BENEFIT
OF LOTS 39, 30 AND 31. MAINTENANCE
AGREEMENT RECORDED IN LIBER 2207, FOLIO 492

Signed
Resub
Perc Cert

LOTS 40, 43 and PRESERVATION PARCEL A
A RESUBDIVISION OF LOTS 31 & 32.

SECTION ONE.

RECORDED AS PLAT No. 9515

CATTAIL CREEK COUNTRY CLUB

TAX MAP: 21 ZONED: R PARCEL: G
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' DATE: NOVEMBER 10, 1993

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS • LAND SURVEYORS
7171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
TELEPHONE: (410) 461-0333
FAX: (410) 750-3734

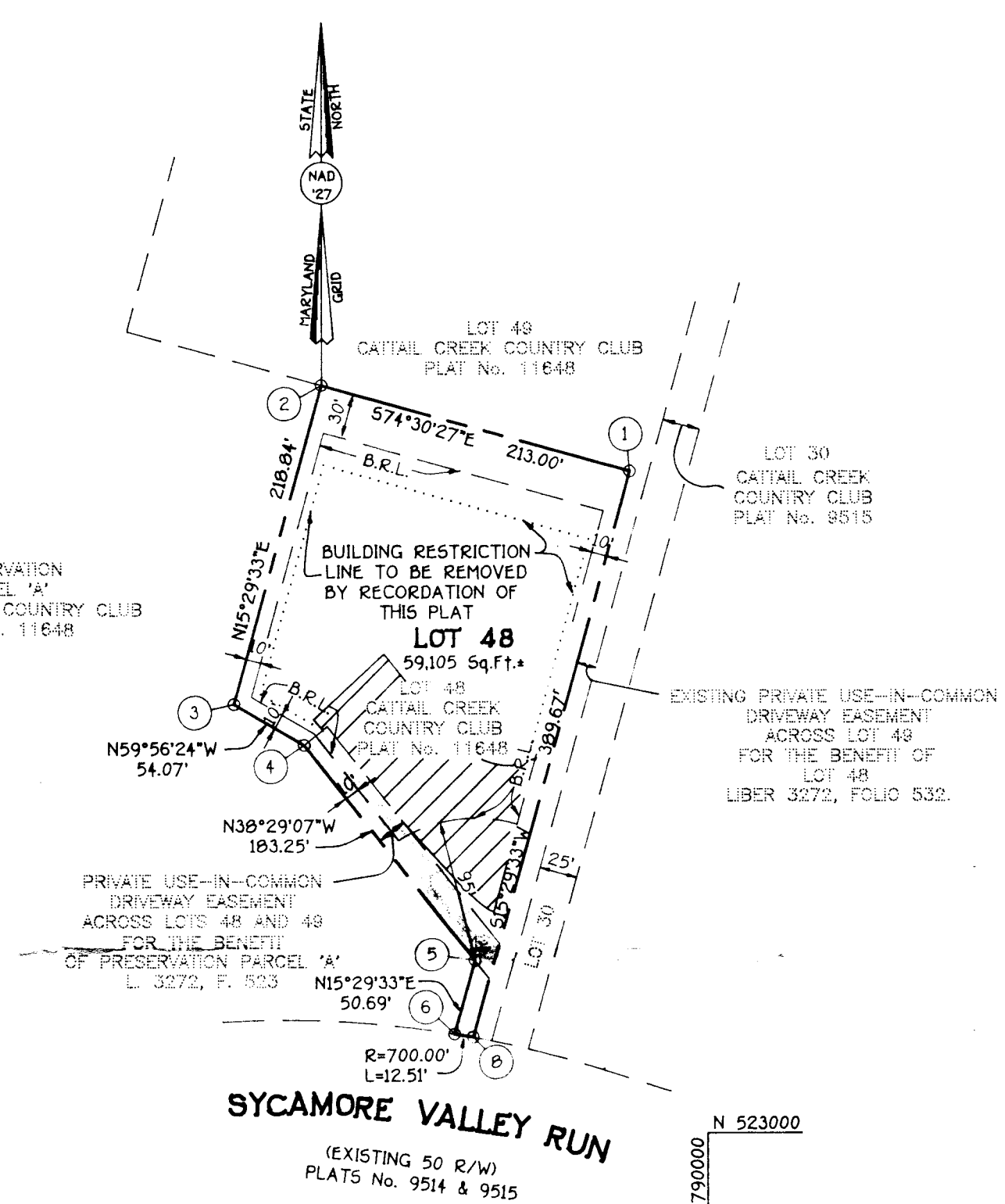
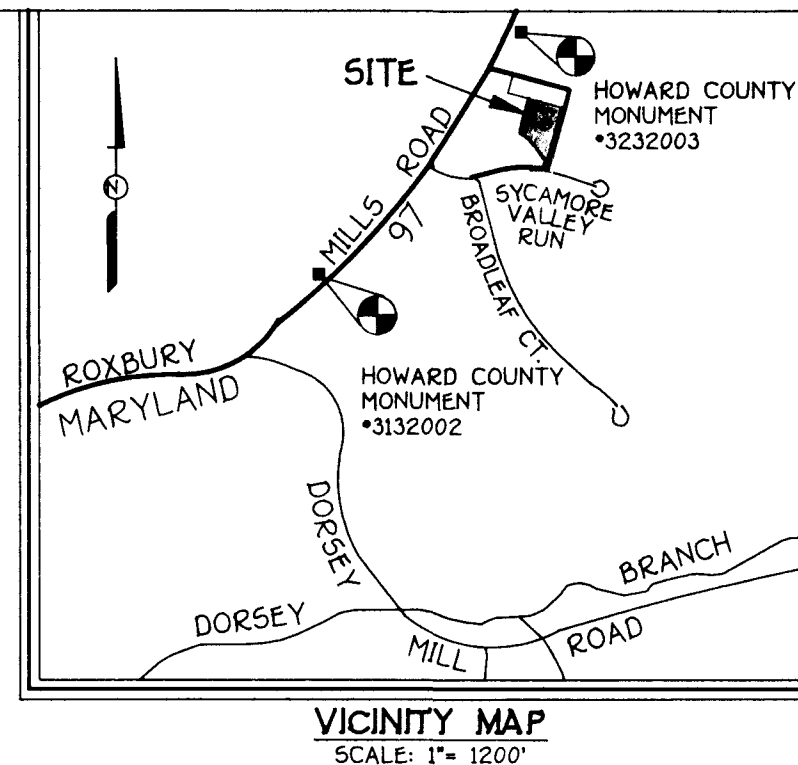
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John Zyl 12-16-73
COUNTY HEALTH OFFICER DATE



COORDINATE TABLE		
POINT	NORTH	EAST
1	523438.397	789948.375
2	523495.293	789743.114
3	523284.393	789684.656
4	523257.333	789731.412
5	523113.887	789845.454
6	523065.039	789831.914
7	523753.615	789957.920
8	523062.889	789844.290

CURVE DATA TABULATION						
PT.-	PT.	RADIUS	ARC	DELTA	TAN	CHORD BEARING & DISTANCE
0-6		700.00'	12.51'	01°01'26"	6.26'	S80°08'46"E 12.51'

MINIMUM LOT SIZE TABULATION			
LOT	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE
48	59,105 Sq.Ft.*	623 Sq.Ft.*	58,482 Sq.Ft.*



GENERAL NOTES:

- This Area Designates A Private Sewerage Easement Of 10,000 Square Feet As Required By The Maryland State Department Of The Environment For Individual Sewerage Disposal. Improvements Of Any Nature In This Area Are Restricted Until Public Sewerage Is Available. These Easements Shall Become Null And Void Upon Connection To A Public Sewerage System. The County Health Officer Shall Have The Authority To Grant Variances For Encroachments Into The Private Sewerage Easement. Recordation Of A Modified 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.
- Subject Property Zoned 'Rc-Deo' Per 9/18/92 Comprehensive Zoning Plan.
- The Coordinates Are Based On Nad '27, Maryland Coordinate System As Projected By Howard County Geodetic Control Stations No. 3132002 And No. 3232003, Which Is The Base Meridian For The Recorded Plat Entitled "Cattail Creek Country Club" Recorded As Plat No. 11648.
 - Sta. 3132002 N 522316.687 E 788449.553
 - Sta. 3232003 N 522810.762 E 789655.659
- B.R.L. Denotes Building Restriction Line.
- Denotes Iron Pin Capped "F.C.C. 10692" Set.
- ⚡ Denotes Iron Pipe Or Iron Bar Found.
- Denotes Angular Change In Bearing Of Boundary Or Rights-Of-Way.
- Denotes Concrete Monument Set With Brass Plate "F.C.C. *10692."
- ⬢ Denotes Stone Or Concrete Monument Found.
- This Plat Is Based On A Field Run Boundary Survey Performed On Or About July 1989 By Fisher, Collins And Carter, Inc. Prior Department Of Planning And Zoning File Nos. S89-61, P89-72, F90-54 And WP94-13, F94-45.
- All Areas Are More Or Less *
- For Flag Or Pipe Stem Lots, Refuse Collection, Snow Removal And Road Maintenance To Be Provided At The Junction Of Flag Or Pipe Stem And The Road R/W And Not Onto The Flag Or Pipe Stem Driveway.
- Driveway(s) Shall Be Provided Prior To Residential Occupancy To Insure Safe Access For Fire And Emergency Vehicles Per The Following (Minimum) Requirements:
 - a) Width - 12 Feet (16 Feet Serving More Than One Residence);
 - b) Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating; (1 1/2" Minimum);
 - c) Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius;
 - d) Structures (Culvert/Bridges) - Capable Of Supporting 25 Gross Tons (H-25 Loading);
 - e) Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Driveway Surface;
 - f) Structure Clearances - Minimum 12 Feet;
 - g) Maintenance - Sufficient To Insure All Weather Use.
- Existing Dwelling On Lot 48 To Remain. "The Humphrey Wolfe Farm Has Been Identified As A Historic Site No 189. All Historic Structures On Lot 48 And Preservation Parcel A Are To Remain As Indicated On P-89-72."
- Articles Of Incorporation Of Cattail Creek Estates Homeowner's Association, Inc. Filed With Maryland State Department Of Assessments And Taxation On June 15, 1997; Acct. No. 294575.

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

Edwin W. Gramkow 5/13/97
Date
Mary Louise Gramkow 5/13/97
Date
Terrell A. Fisher, L.S. *10692 5/14/97
Date

TOTAL AREA TABULATION

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED	1
TOTAL NUMBER OF LOTS TO BE RECORDED	1
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED	1.357 AC.*
TOTAL AREA OF LOTS TO BE RECORDED	1.357 AC.*
TOTAL AREA OF ROADWAY TO BE RECORDED	0.000 AC.*
TOTAL AREA OF SUBDIVISION TO BE RECORDED	1.357 AC.*

OWNER AND DEVELOPER

Mr. & Mrs. Edwin W. Gramkow
3607 Sycamore Valley Run
Glenwood, Maryland 21738

OWNER'S CERTIFICATE

Edwin W. Gramkow And Mary Louise Gramkow, 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: (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 Rights-Of-Way 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 Rights-Of-Way. Witness Our Hands This 12 Day Of May, 1997

Edwin W. Gramkow
Mary Louise Gramkow
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 C. Jacobsen Construction, Inc. To Edwin W. Gramkow And Mary Louise Gramkow By Deed Dated May 13, 1995 And Recorded In The Land Records Of Howard County, Maryland In Liber 3501, Folio 528, And That All Monuments Are In Place Or Will Be In Place Prior To 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 The Howard County Subdivision Regulations.

Terrell A. Fisher, L.S. *10692 5/14/97
Date

RECORDED AS PLAT No. _____ ON _____
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

REVISION PLAT CATTAIL CREEK COUNTRY CLUB LOT 48

(PLAT No. 11648)
ZONED 'RC-DEO'
TAX MAP: 21 PARCEL 6 GRID 9
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1"= 100' DATE: MAY 2, 1997
SHEET 1 OF 1
F97-

THE PURPOSE OF THIS PLAT IS TO REVISE THE BUILDING RESTRICTION LINES FOR LOT 48 FROM THE PREVIOUSLY RECORDED BUILDING RESTRICTION LINES ON PLAT No. 11648

Copy of
Signed
Revised Plat

ACAD FILE: 30614P1.DWG
PACSOFT FILE: 60781

LOT 30
CATTAIL CREEK
COUNTRY CLUB
PLAT No. 9515

Howard County Health Department

To: Desk Sanitarian

Cattail Creek Lot 48
Detached garage addition
No file found for pre-walkth
approval
Approve as shown - site insp.

proposed
garage
addition

20' 13' Septic
C.D.

25' well 8' 150' SEPTIC
ESMT.

OK as
proposed
on 1/1/11

RD 170
SYCAMORE DR

LOT 48
59,105 Sq.Ft.±

LOT 48
CATTAIL CREEK
COUNTRY CLUB
PLAT No. 11648

PROPOSED DETACHED
GARAGE

EXIST.
HOUSE

EXIST
WELL

2

1

3

4

5

6

PRIVATE USE-IN-COMMON
DRIVEWAY EASEMENT
ACROSS LOTS 48 AND 49
FOR THE BENEFIT
OF PRESERVATION PARCEL 'A'
L. 3272, F. 523

N15°29'33"E
50.69'

N59°56'24"W
54.07'

N38°29'07"W
183.25'

218.84'

N15°29'33"E

574°30'27"E

213.00'

48'-0"

32'-0"

17'-0"

141'-0" SEPTIC SYS.

20' 13'

389.67'

S15°29'33"W

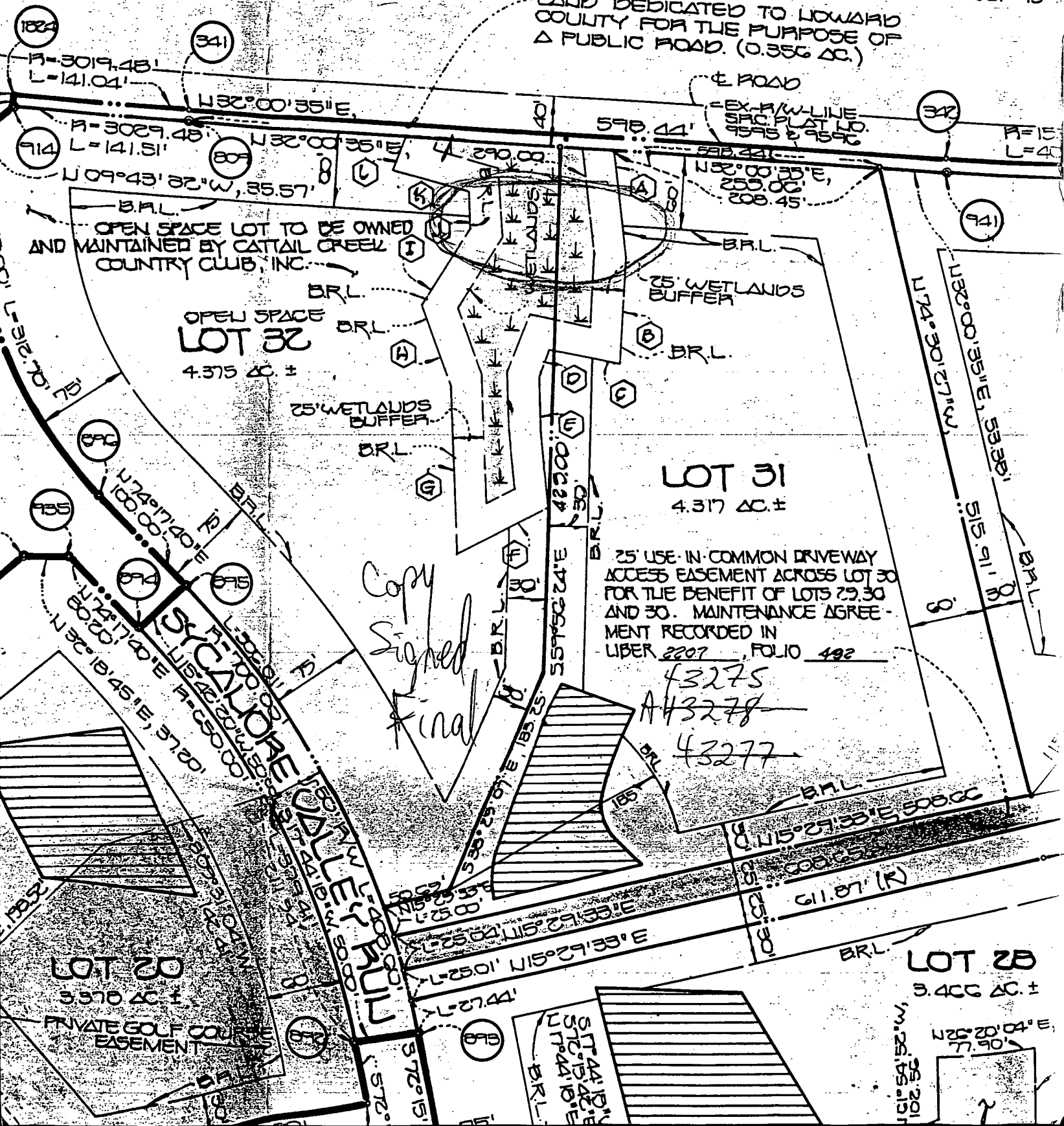
TION

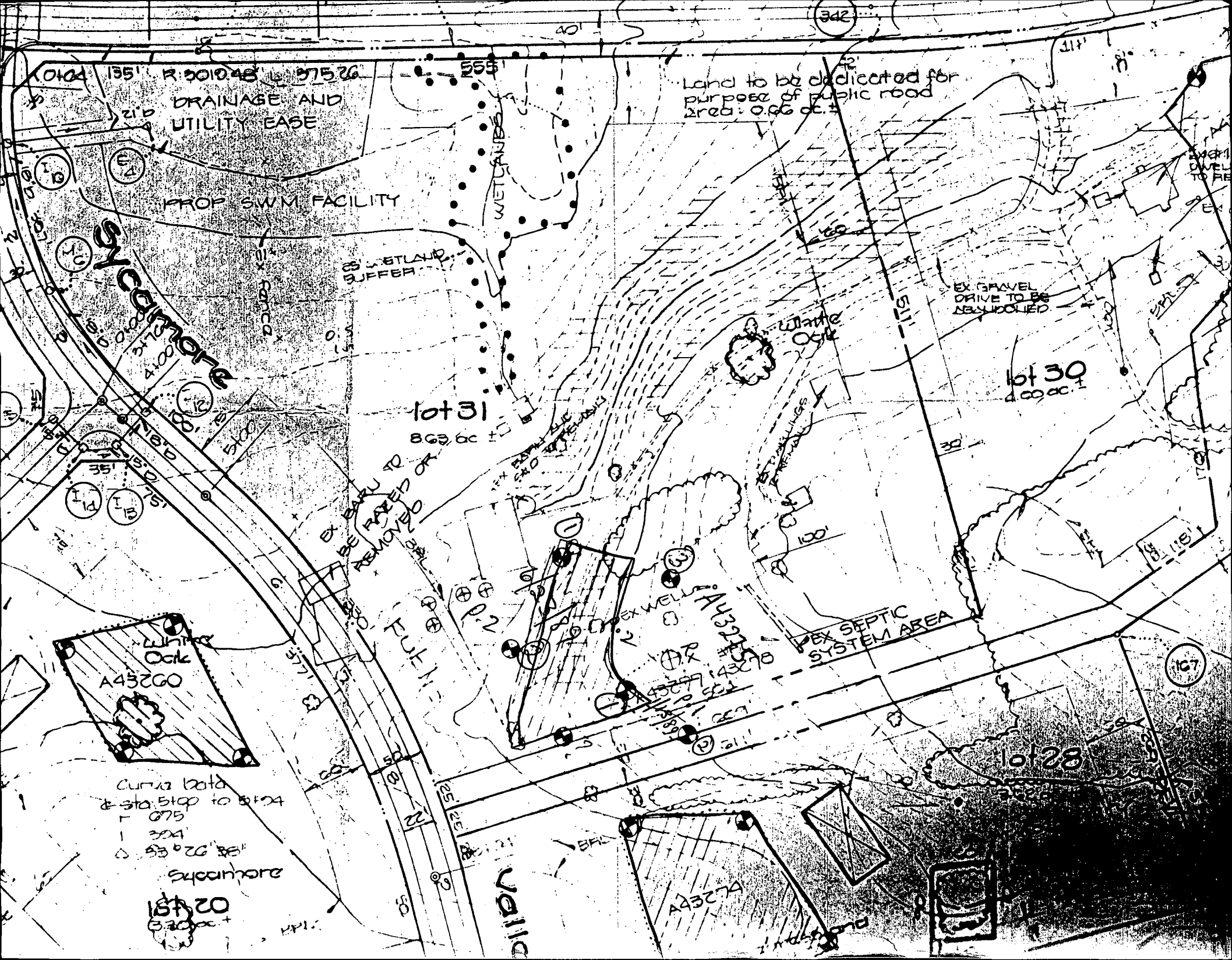
STEM
PIPE

MARYLAND

VEHICULAR INGRESS AND EGRESS
(S.R.C. PLATS NO. 95)

LAND DEDICATED TO HOWARD
COUNTY FOR THE PURPOSE OF
A PUBLIC ROAD. (0.356 AC.)





DRAINAGE AND
UTILITY EASE

PROP SWM FACILITY

Land to be dedicated for
purpose of public road
Area: 0.66 ac.

EX GRAVEL
DRIVE TO BE
REMOVED

lot 30
4.00 ac.

lot 31
863.66 ac

EX SEPTIC
SYSTEM AREA

lot 28
3.32 ac

A43260

A43274

curve data
to stop to 5124
075
304
53.020' 35"
supercure

lot 20
3.32 ac