

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

*Retest
for H₂O table*

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Sara Noyes LOT NO. 1

ROAD AND DESCRIPTION _____

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 _____

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

COUNTY #

SOIL PROFILE

0' (1)
red
brn
cl

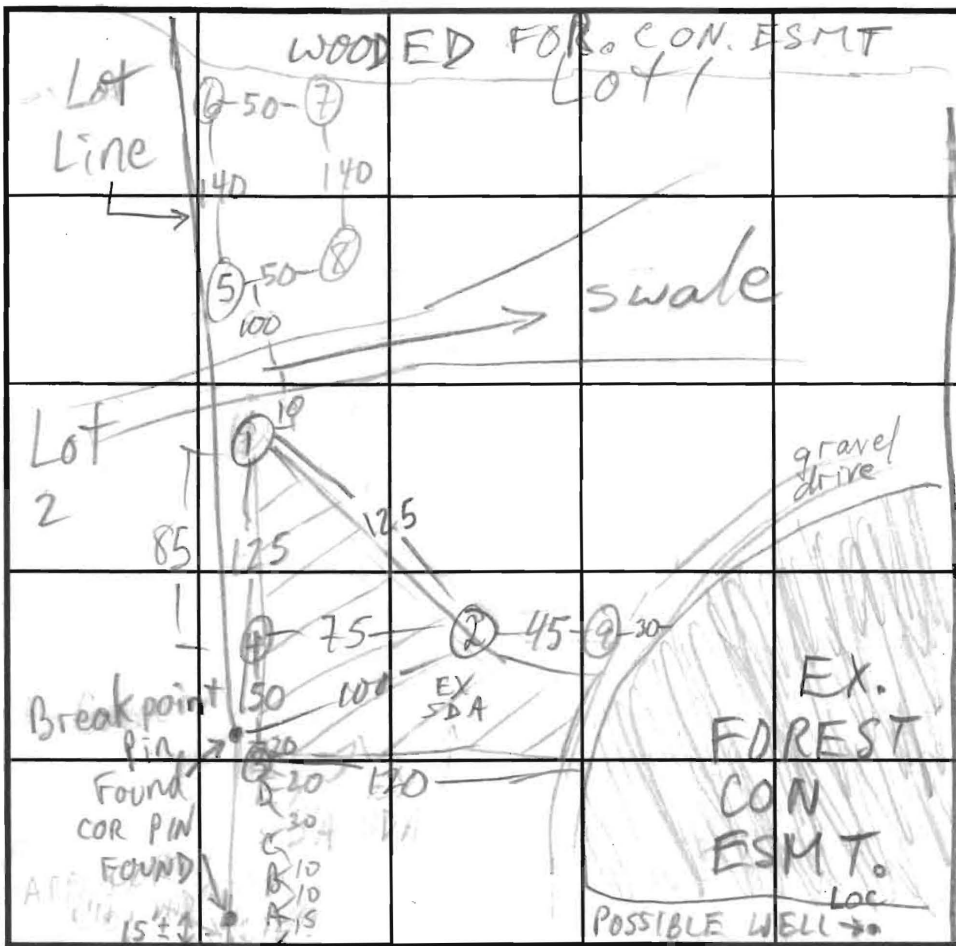
8' heavily
mottled
gray
olive
silt
WATER

(2)
red
brn
cl

7 1/2' beige orange
silt
8 1/2' tan
silt
15% frags

3
red
brn
cl

7 1/2' gray
tan
silt
20% frags
Rx pocket
40%
HARD BOT frags



SOIL PROFILE

0' (4)
red
brn
cl

7 1/2' tan
gray
silt
10% frags

9' 30%
10' HARD BOT

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DAY RD

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|--------|----------------|---------|----------------|------|------|
| | | | START | STOP | START | STOP | |
| 2/25/98 | 2 S | 7'9" | 12:53 | 1:03 | 1:03 | 1:25 | ZZ |
| | 2 V | 13 | see profile | | | | |
| | 1 V | 13 1/2 | see profile | | | | |
| | 3 V | 11 1/2 | OK see profile | | HARD BOT | | |
| | 4 V | 10 | HARD BOT | | 30% > 9' | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | D | 6 | Rx | REFUSAL | | | |
| | A-C | 3 | Rx | REFUSAL | | | |

REMARKS

TYPE OF SOIL

TESTED BY M. Ripkin ALSO PRESENT L. Follmer, owner's son

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Sara Noyes LOT NO. 1

ROAD AND DESCRIPTION _____

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 _____

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

COUNTY #

SOIL PROFILE

0' 5'
 brn red sil lm
 6 1/2'
 brn sil lm
 10% frags
 13'

6'
 orge red cl lm
 3'
 gray tan sil lm
 5'
 brn tan sal lm
 5% frags
 11 1/2'
 H₂O
 13'

7'
 red orge cl lm
 4'
 tan red sil lm
 6 1/2'
 gray beige silt
 9'
 H₂O seeping
 gray mottled silt
 12 1/2'

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SOIL PROFILE

0' 8'
 red brn sil lm
 5 1/2'
 org tan
 40
 yel tan sil lm
 8 1/2'
 red brn sal lm
 12'
 brn red sil lm
 4% frags
 mottles
 13'
 H₂O

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|--------|----------------------------|------|----------------|------|------|
| | | | START | STOP | START | STOP | |
| 2/27/98 | 5 5 | — | — | — | — | — | — |
| | 5 V | 13 | H ₂ O @ 12 | | | | |
| | 6 | — | — | — | — | — | — |
| | 6 V | 13 | H ₂ O @ 11 1/2" | | | | |
| | 7 V | 12 1/2 | H ₂ O @ 9 | | | | |
| | 8 V | 13 | H ₂ O @ 13 | | | | |
| | 9 V | 13 | sim to ② | | OK | | |
| | 9 | | | | | | |
| | | | | | | | |
| | | | | | | | |

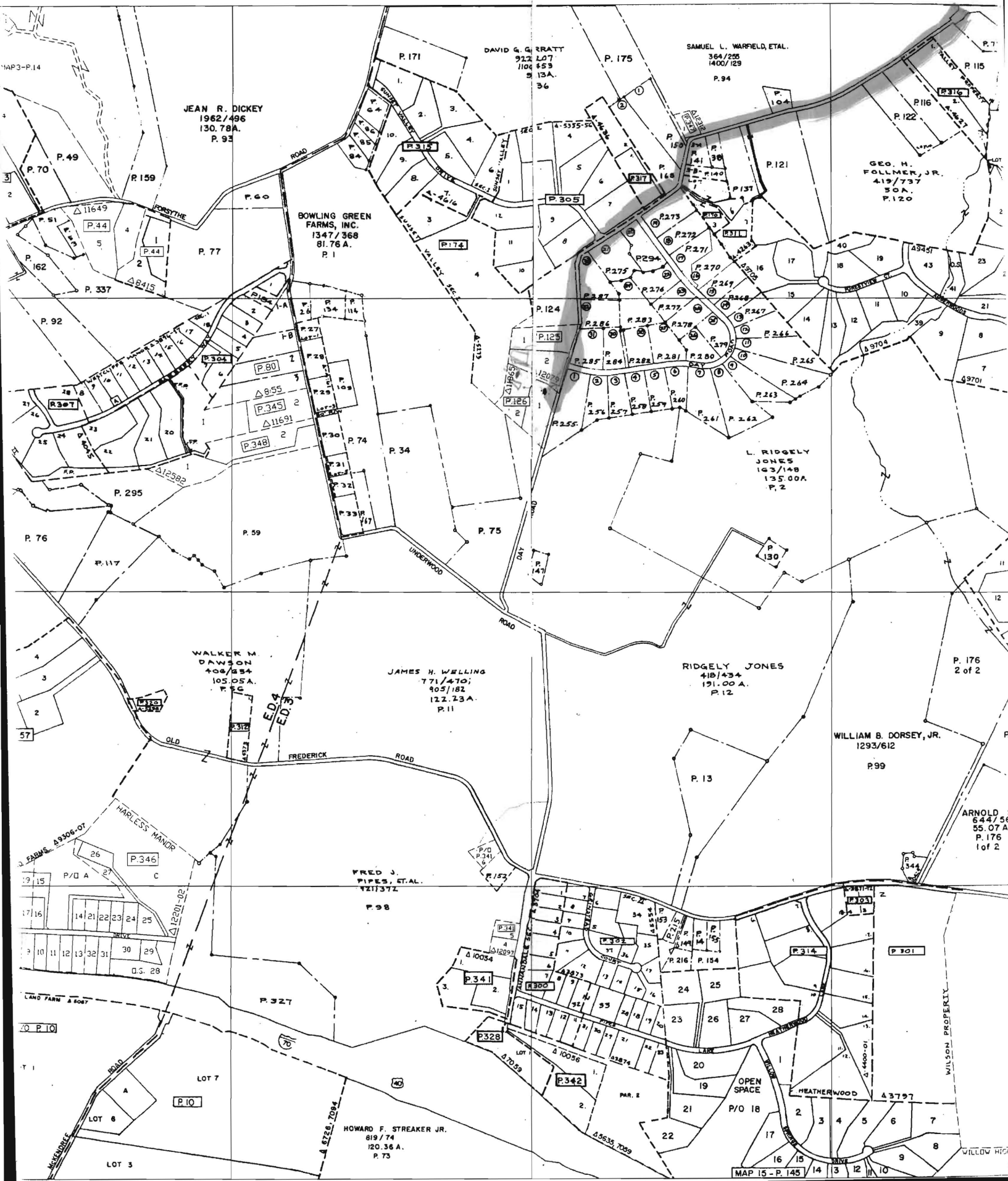
REMARKS _____

TYPE OF SOIL _____

TESTED BY McRipkin ALSO PRESENT J. Follmer, owner's son

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



4/11/90
1.0/00

APPLICATION

PERCOLATION TESTING

A 45678
P _____

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

DISTRICT _____
DATE 3/14/90

System Trust

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 HARVEY W. NOYES MD 21048

ADDRESS 1879 DEER PARK ROAD FINKSBURG PHONE 833-0395

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION HARVEY W. NOYES PROPERTY

ROAD AND DESCRIPTION DAY ROAD OPP. SOUTH END OF JIMMY WAY

TAX MAP 9 PARCEL # 125

SIZE OF LOT 3.5 AC+ TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

WITHOUT WET SEASON TEST
WET SEASON 2/98
TEST OF CONTENTS AS PLATTED OF APRIL 94
SEE LETTER OK
CW

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. Harvey W. Noyes
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4/11/90 DK PERC Hold for read

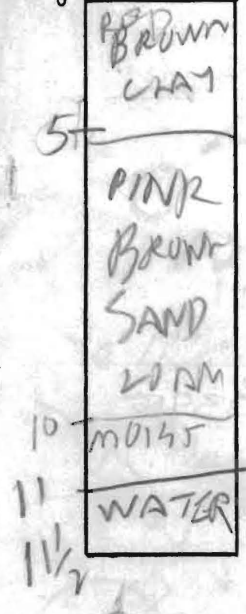
HD-216

THIS IS NOT A PERMIT

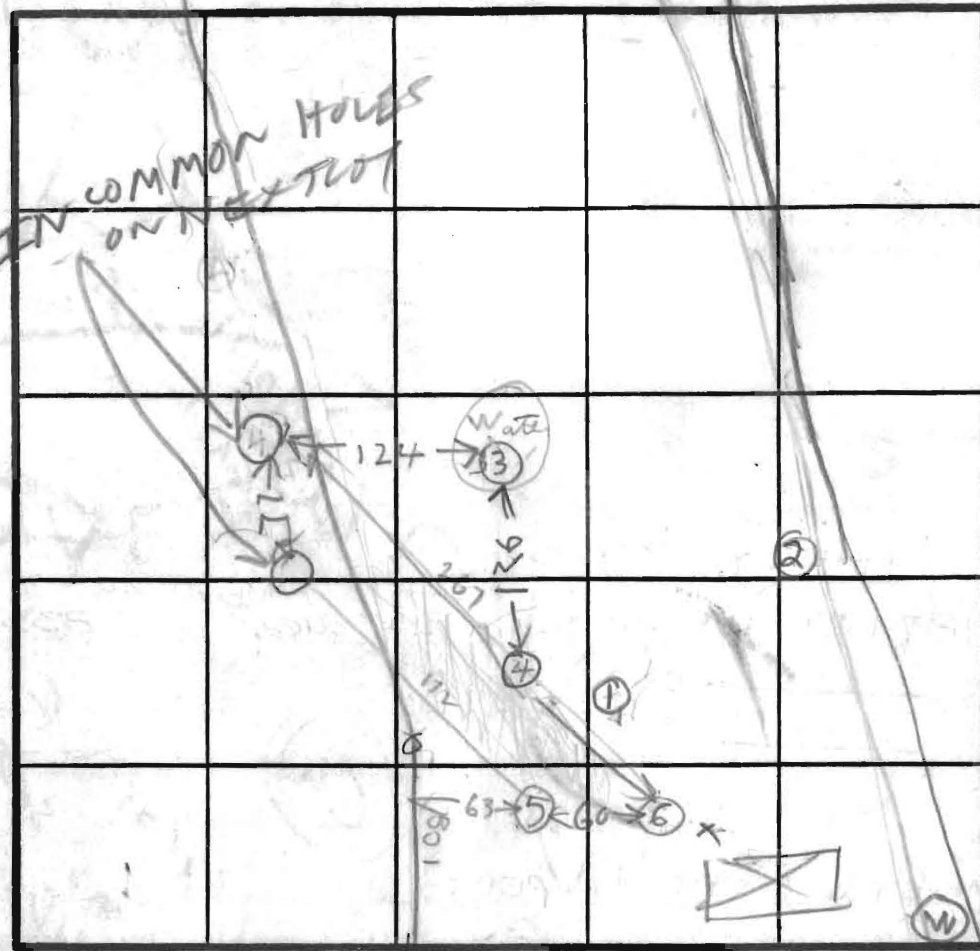
R45678
Lot 1

212

(3)
SOIL PROFILE

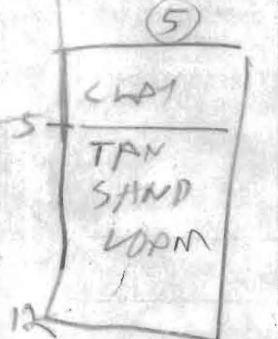


IN COMMON HOLES
ON NEXT LOT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DAY RD



| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|--------|----------|-------|---------|------|----------------|------|----------|
| | | | START | STOP | START | STOP | |
| 4/1/90 | 15 | 5.5 | 1118 | 1137 | 1137 | 1200 | collapse |
| 11 11 | 25 | 4.5 | 1130 | 1150 | Dirt fell in | | |
| 11 11 | 25 | 4.5 | stop | | Test | | |
| 11 11 | (35) | 5.5 | 217 | 257 | Dirt fell in | | |
| 11 11 | 35 | 11.5 | WATER | | 11 57 | FAIL | |
| 11 11 | 45 | 7 | 230 | 243 | 243 | 255 | 12 |
| 11 11 | 45 | 14 | WATER | | 14 17 | FAIL | |
| 11 11 | 55 | 7 | 317 | 322 | 322 | 329 | 7 |
| 11 11 | 55 | 12 | OK DEEP | | | | |
| 11 11 | 6 | 6 | 350 | 400 | stand 10 min | | |
| 11 11 | 6 | 12 | OK DEEP | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

REMARKS: Holes 1 & 2 dug per test plat
 TYPE OF SOIL: Use in common holes on next lot to obtain area
 TESTED BY: R. Hodger
 ALSO PRESENT: own noise, surveyor Benhart



HOWARD COUNTY HEALTH DEPARTMENT

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

April 17, 1998

Ms. Sara Noyes
1879 Deer Park Road
Finksburg, Maryland 21048

RE: Percolation Test Results
Application #'(S): A45678 Retest
Proposed Use: Confirmation of Recorded Easement
Property ID: Harvey Noyes Property, Lot 1, Day Road
Tax Map 9, Parcel 125

Dear Ms. Noyes:

Percolation testing conducted on February 25 and 27, 1998 on the above referenced property indicated that the existing platted sewage easement is satisfactory as it stands.

If you have any questions regarding this matter, please feel free to contact me at the address below or by calling 410-313-2640.

Very truly yours, ↵

Mark Rifkin, R.S.
Water and Sewerage Program

MR:tl

cc: Major Wayne Livesay, HCPD
File



HOWARD COUNTY HEALTH DEPARTMENT

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

January 2, 1998

*Re-sent to
correct address per ALM*

1879 Sarah Noyes
~~1009~~ Deer Park Road
Finksburg, Maryland 21048

RE: Sara Noyes Property - Lot 1
Day Road
Tax Map: 9 Parcel: 125

Dear Ms. Noyes,

Percolation testing conducted for Mr. G. Wayne Livesay on December 23, 1997, in order to adjust the approved septic easement on Lot 2 was successful as described in the enclosed copy of the percolation test results letter. However, the result of these tests revealed the potential for high water table conditions in the approved septic easements on both Lots 1 and 2.

While Mr. Livesay's proposed relocation would resolve any concerns with Lot 2, additional evaluation is needed to determine whether or not any remediation is needed on Lot 1. Therefore, in order to obtain a building permit for Lot 1, confirmation of acceptable soil conditions in the spring wet season will be necessary. Should you wish to confirm the soil conditions at this time, please contact this office so that a percolation test date can be scheduled. Also, please be advised that spring wet season testing for this year will begin February 1, 1997.

Should you have any questions regarding this matter, please feel free to contact me at the above address. Thank you for your cooperation in this matter.

Sincerely,

Amy Mc Millen, R.S.
Water & Sewerage Program

am
Enclosure
cc:file



HOWARD COUNTY HEALTH DEPARTMENT

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

January 26, 1998

Sarah Noyes
1009 Deer Park Road
Finksburg, Maryland 21048

RE: Percolation Test Date
Purpose: Confirmation of approved septic easement
Property ID: Noyes Property - Lot 1
Day Road
Tax Map: 9 Parcel: 125

Dear Ms. Noyes,

A percolation test date has been reserved for 10:00 a.m., Tuesday, February 17, 1998.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

In the event of uncertain weather (i.e. precipitation or extremes of temperature), please contact this office prior to 9:00 a.m. to determine whether percolation testing can be performed on the above reserved date. If it is not feasible to perform the test, a new test date will be assigned.

Please call this office between 8:00 a.m. and 5:00 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Amy Mc Millen, R.S.
Water & Sewerage Program

am
cc:file

SUBDIVISION: Sara Noyes Prop
Day Rd

A 45678

LOT NUMBER: 1

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

| | <u>Septic Tank</u> | <u>Minimum Total Square Feet</u> |
|-----------|--------------------|----------------------------------|
| 3 bedroom | 1000 gallon | _____ |
| 4 bedroom | 1250 gallon | _____ |
| 5 bedroom | 1500 gallon | _____ |

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

PUMPED SEPTIC SYSTEM _____ 240 sq. ft./bedroom

Trench to be 3 wide.

TOP-SEAMED TANK

Inlet 5 1/2 feet below original grade.

Bottom maximum depth 7 1/2 feet below original grade.

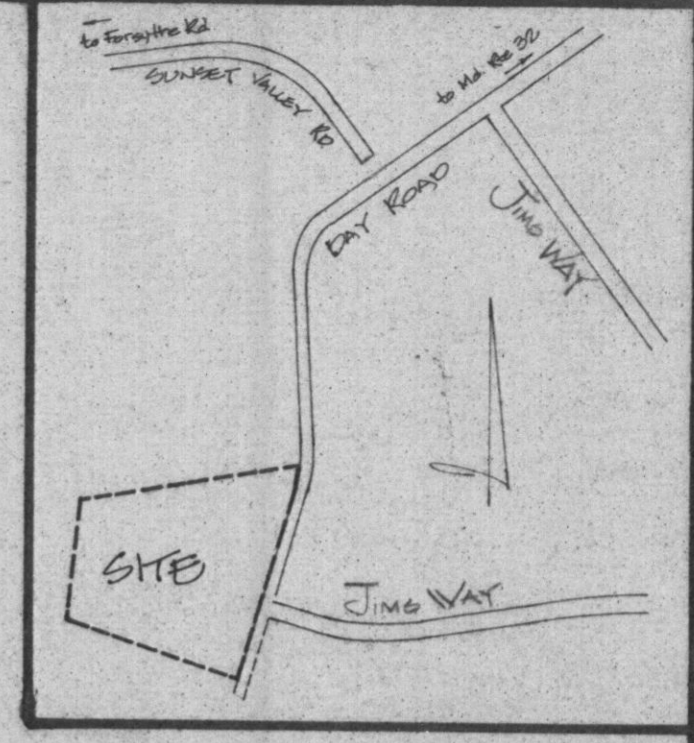
Effective area begins at 5 1/2 feet below original grade.

2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 70' DOWN THE LEFT (97.65') LOT LINE AND 70' OFF THIS SAME LOT LINE. RUN TRENCHES ON CONTOUR IN BOTH DIRECTIONS.

MR 4/20/98



VICINITY MAP
SCALE: 1"=600'

GENERAL NOTES

- 1) THE OUTLINE AND TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY STEPHEN C. BARNHART RPLS #168 OCT. 1989
- 2) THE PROPERTY SHOWN HEREON IS OWNED BY HARVEY WINFORD NOYES (NOW DECEASED) AND SARAH MAE NOYES, HIS WIFE BY DEED DATED SEPTEMBER 4, 1992 ALSO RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY IN LIBER 2770 FOLIO 404
- 3) THE PERC TEST HOLES SHOWN (PERC) WERE FIELD LOCATED.
- 4) SOIL CLASSIFICATION MAP #3
- 5) THERE ARE NO WELLS OR SEPTICS WITHIN 100 FEET OF THE PROPERTY LINE, EXCEPT AS SHOWN.

"Dickey Farms" (3)

AREA OF DEDICATION TO HOWARD COUNTY C/REG ACCT

SIGNED
PERCOLATION TEST CERTIFICATION
AND
SITE PLAN

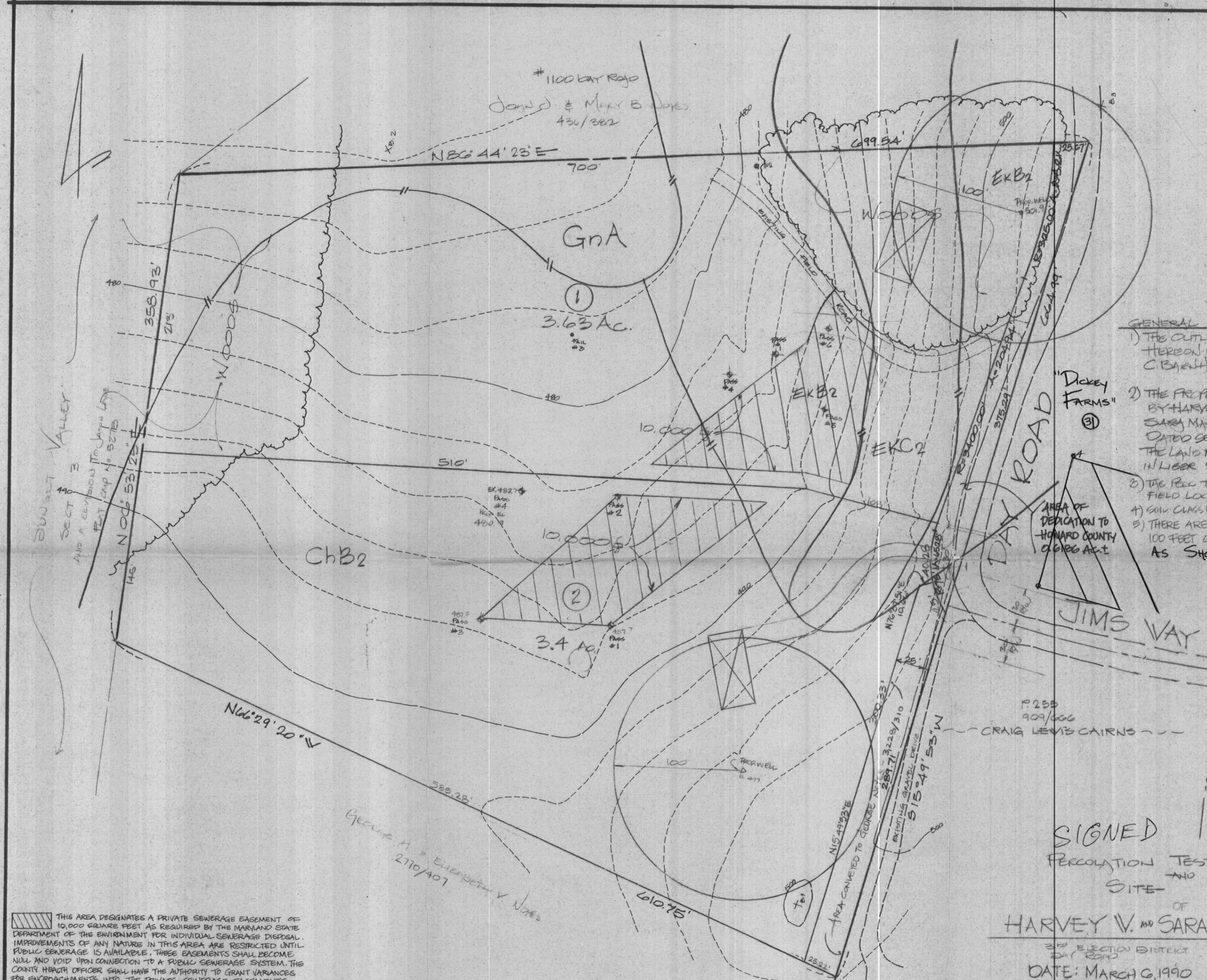
HARVEY W. AND SARAH M. NOYES PROPERTY

2nd ELECTION DISTRICT
DAY ROAD
DATE: MARCH 9, 1990
TAX MAP # 9

HOWARD COUNTY, MD
NEAR SYKESVILLE
SCALE: 1"=50'
PARCEL # 125

PREPARED BY
STEPHEN C. BARNHART, RPLS #168
SURVEYING & LAND PLANNING

PO BOX 244
FINKSBURG, MARYLAND 21048
(301) 861-8730



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 EASEMENTS. RELOCATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY

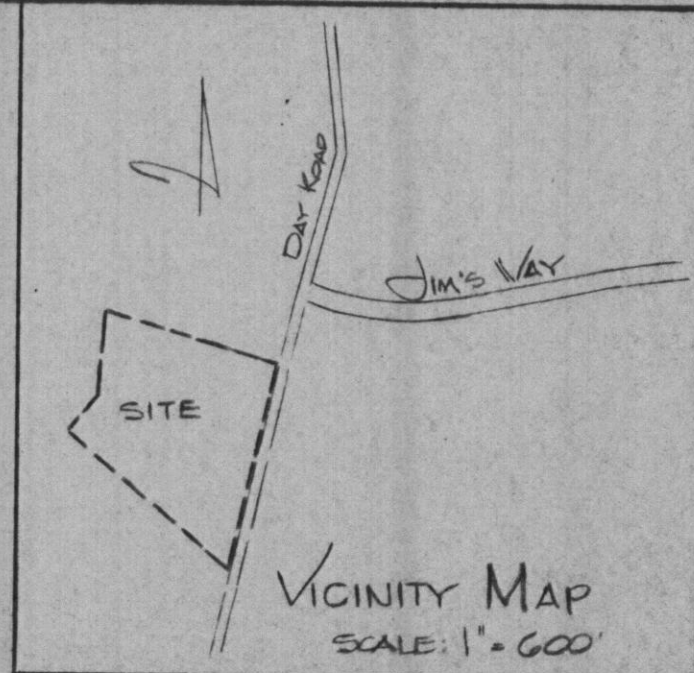
OWNER/DEVELOPER
SARAH MAE NOYES
1879 DEER PARK ROAD

FINKSBURG, MARYLAND 21048
REVISED: 2/28/94 - ADDED NEW DEED REF # 1 PARCEL CONVEYED TO GEORGE NOYES
REVISED: 3/13/92 - REVISED BOUNDARY LINE AT DAY ROAD DRK
REVISED: 2/22/90 - CORRECTED PERC HOLES
REVISED: 7/11/90 - APPROVED SEPTIC ACCESS PER H.O. COMMENTARY
REVISED: 4/26/90 - PERC TEST RESULTS

REVISED: DEC. 21, 1994 - REV. 10,000 SQ. FT. SEW. EASMT AREA LOT 1 - ADD NOTES - REMOVE DU. EASMT - ALL PER H.O.

APPROVED FOR PRIVATE WATER AND SEWER SYSTEMS
Joseph Bogelwe 1-9-95
COUNTY HEALTH OFFICER MR DATE

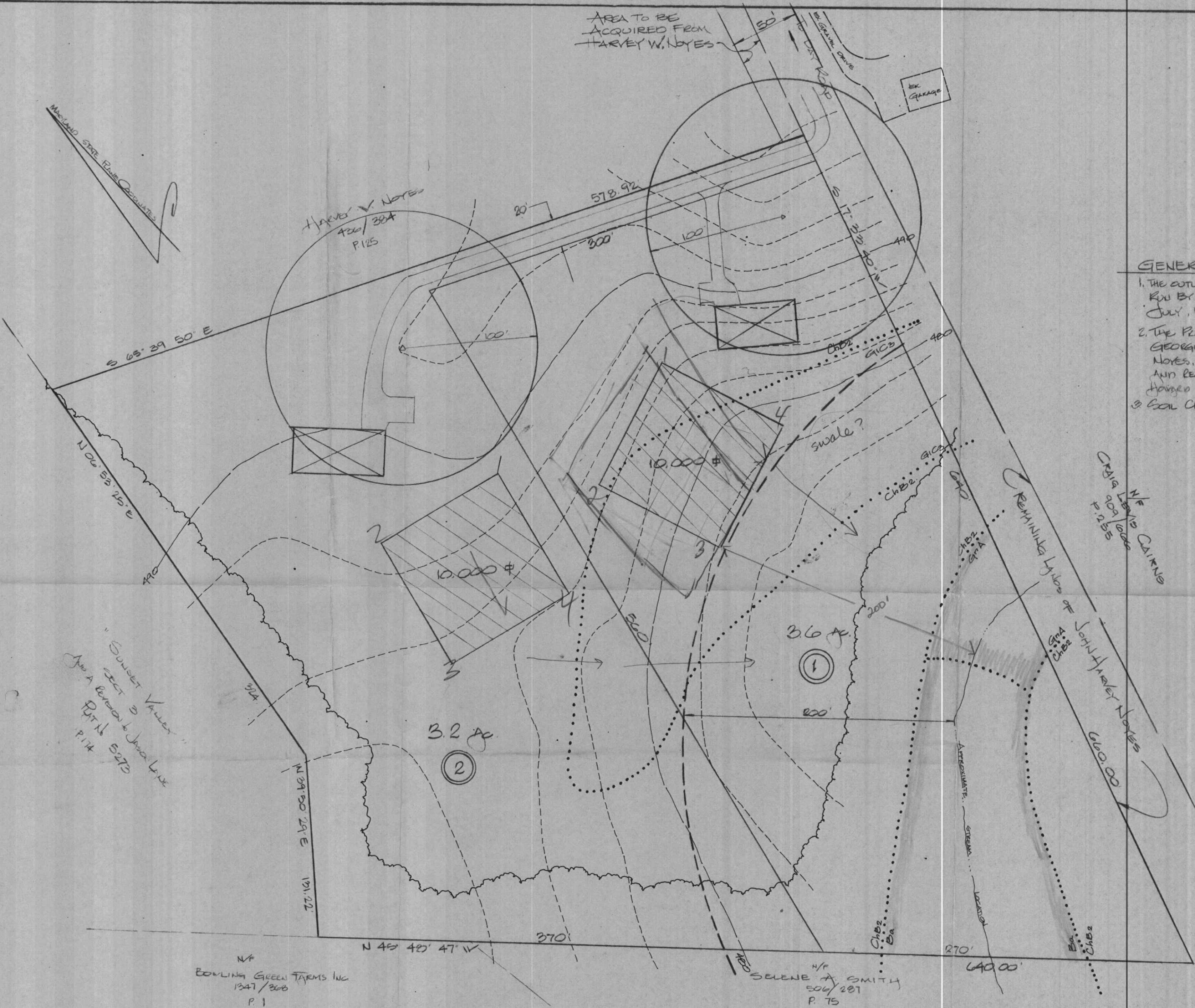
AREA TO BE ACQUIRED FROM HARVEY W. NOYES



GENERAL NOTES

1. THE OUTLINE AND TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY STEPHEN C. BARNHART, R.P.L.S.# 168 JULY, 1990.
2. THE PROPERTY SHOWN HEREON IS OWNED BY GEORGE AND EUGENIA NOYES AND EUGENIA VIRGINIA NOYES, HIS WIFE, BY DEED DATED FEBRUARY 26, 1965 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, IN BOOK 426 FOLIO 380.
3. SOIL CLASSIFICATION MAP - 3

100 ft stream restriction



"Sunset Valley"
SECT 3
JAN A. BARNHART, JR. L.S.
P.L.S.# 5273
P. 14

PREPARED BY
STEPHEN C. BARNHART, R.P.L.S.# 168
PO BOX 244
FINKSBURG, MD 21042
(301) 861-8730



OWNER/DEVELOPER
GEORGE A. AND EUGENIA V. NOYES
528 KEE MILL ROAD
SYKESVILLE, MD 21784

SITE PLAN
GEORGE H. NOYES PROPERTY
3RD ELECTION DISTRICT
DAY ROAD
HOWARD COUNTY, MD
NEAR SYKESVILLE
DATE: AUGUST 20, 1990
SCALE: 1" = 50'

| | |
|------------------|---|
| MINIMUM LOT SIZE | 2 |
| 3,680 ACFT | |
| 3,436 ACFT | |

Copy Final Signed
F-96-20

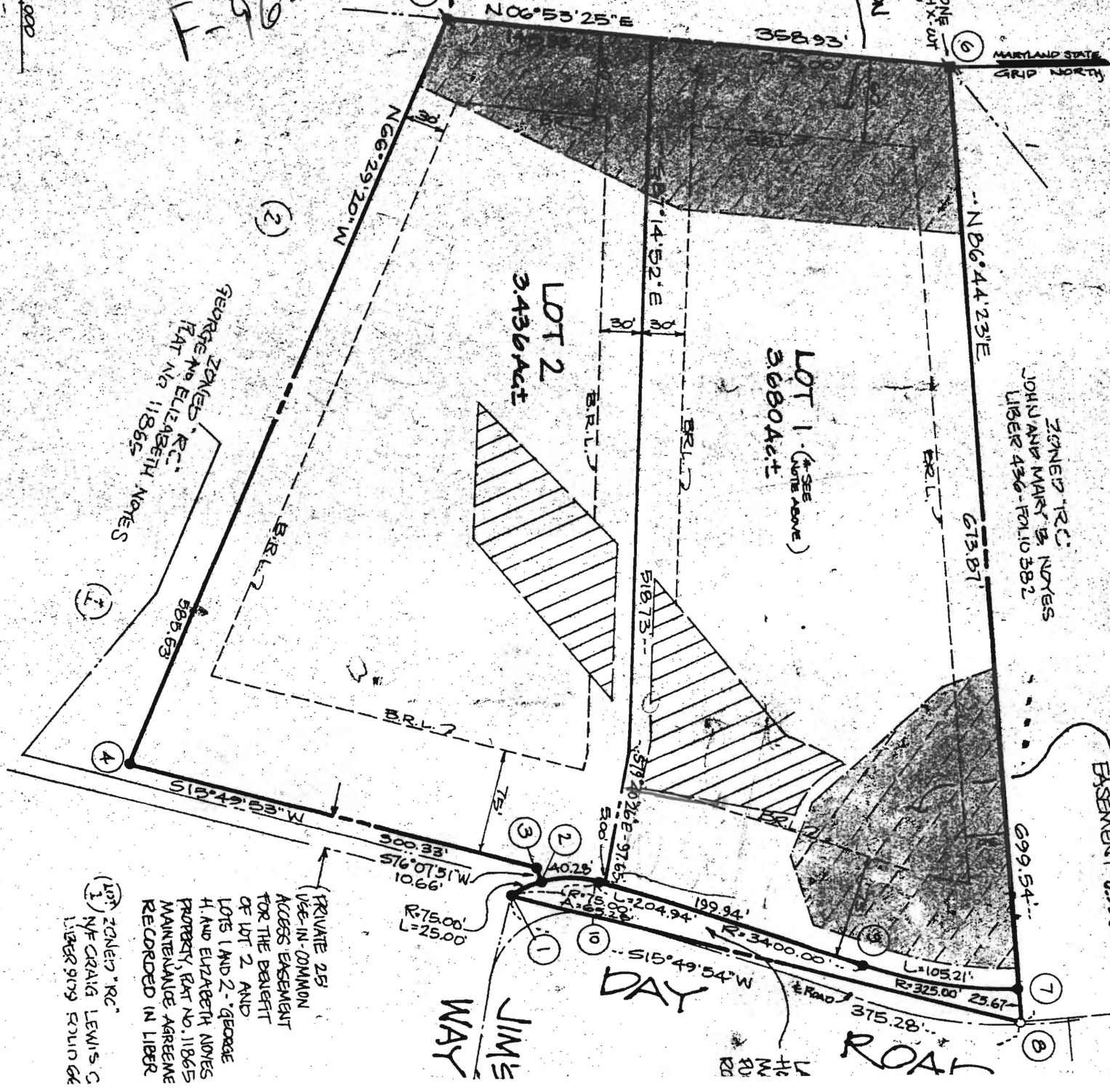
E 809.100
N 548.000

ZONED "RC"
SUNSET VALLEY - SECT. 3
PLAT 6227

FOREST CONSERVATION
EASEMENT
0.8900 ACRES

STONE WITH X CUT AND

MARYLAND STATE GRID NORTH



GEORGE ZONED "RC"
HAT NO. ELIZABETH NOTES
11865

ZONED "RC"
JOHANN MARY'S NOTES
LIBER 436-FOLIO 582

LOT ZONED "RC"
NE CRAIG LEWIS C
LIBER 909 FOLIO 64

PRIVATE 25'
USE-IN-COMMON
ACCESS EASEMENT
FOR THE BENEFIT
OF LOT 2 AND
LOTS 1 AND 2 - GEORGE
H. AND ELIZABETH NOTES
PROPERTY, PART NO. 11865
MAINTENANCE AGREEMENT
RECORDED IN LIBER

GENERAL NOTES - 3

APPENDIX G
FOREST CONSERVATION WORKSHEET

ACRES
(1/10 acre)

BASIC SITE DATA

GROSS SITE AREA 7.17
AREA WITHIN 100 YEAR FLOODPLAIN NA
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL (IF APPLICABLE) NA
NET TRACT AREA 6.92
LAND USE CATEGORY (R-FLD, R-RMD, R-S, CAVO, I) R-RMD

INFORMATION FOR CALCULATIONS

A. NET TRACT AREA 6.92
B. REFORESTATION THRESHOLD (25% x A) 1.73
C. AFFORESTATION MINIMUM (20% x A) 1.38
D. EXISTING FOREST ON NET TRACT AREA 1.22
E. FOREST AREAS TO BE CLEARED .05
F. FOREST AREAS TO BE RETAINED 1.22

Clearing below the threshold

If forest areas to be retained are less than the reforestation threshold (if F is less than B), the following calculations apply:

REFORESTATION FOR CLEARING ABOVE THRESHOLD G x 1/4
REFORESTATION FOR CLEARING BELOW THRESHOLD H x 2
TOTAL REFORESTATION REQUIRED (G x 1/4) + (H x 2)

Since clearing occurs below the threshold, no forest retention credit is possible.

Clearing below the Minimum

If existing forests are less than the afforestation minimum (if D is less than C) and clearing is proposed, the following calculations apply:

AFFORESTATION FOR UNFORESTED AREAS BELOW MINIMUM C - D 0.12
AFFORESTATION FOR CLEARING BELOW MINIMUM E x 2 0.10
TOTAL AFFORESTATION REQUIRED (C - D) + (E x 2) 0.22

Afforestation requires the total forest area be equal to the minimum and it requires compensation for clearing.

STOCKING AND SPACING:

The planting will require 77 hardwoods, with tree shelters;

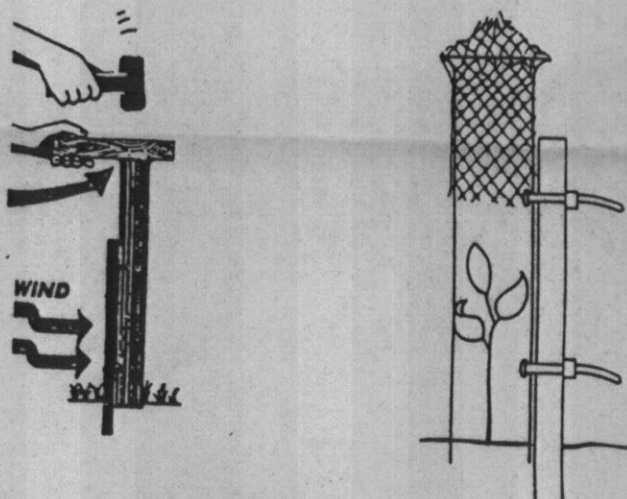
CONTAINER STOCK WILL BE USED, SINCE THEY CONTAIN A MORE FIBROUS ROOT MASS. BARE ROOT STOCK MAY BE PLANTED IN EARLY SPRING, PRIOR TO APRIL 15TH. Shelters will be placed on all stock.

| QUANTITY | SPECIES | SPACING |
|----------|----------------------------------|-----------|
| 16 | Red Oak-Quercus rubra | 11' X 11' |
| 16 | Red Maple-Acer rubrum | 11' X 11' |
| 15 | Black Gum-Nyssa sylvatica | 11' X 11' |
| 15 | Dogwood-Cornus florida | 11' X 11' |
| 15 | Serviceberry-Amelanchier arborea | 11' X 11' |

*Even random distribution of stock

TREE SHELTERS: INSTALLATION

- When using tree shelters the number of plants per acre is adjusted.
- If necessary, trim seedlings or whips to a single leader.
- Drive stake into ground approximately 1-1/2' from the base of the seedling or whip, to a depth of 12 inches.
NOTE: In open fields, drive the stake on the windward side of the seedling or whip. In shaded conditions, drive the stake on the north side of the seedling or whip.
- Slip the tree shelter over the plant. Do not damage the terminal bud or root collar of the plant.
- With the flared end of the shelter on top and before tightening the ties, use a block of wood and hammer to seat the base of the shelter into the ground. The shelter must be seated at least one inch below ground surface.
- Tighten the ties to secure the shelter to the stake.
- Install poly netting over the top opening of the shelter to prevent bird entry.



THE NETTING SHOULD EXTEND 7-8 INCHES DOWN THE TUBE TO PREVENT ACCIDENTAL REMOVAL.

PERIMETER LANDSCAPE EDGE

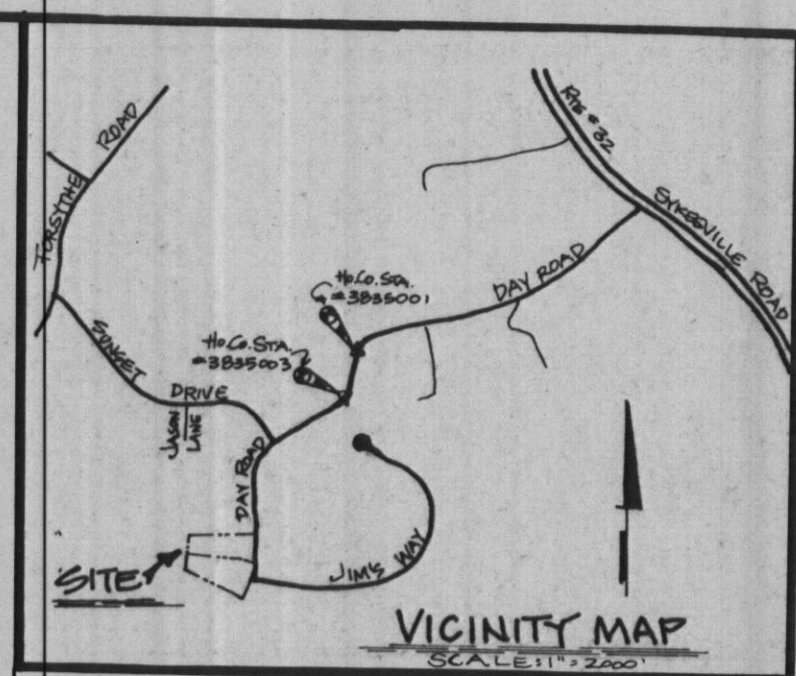
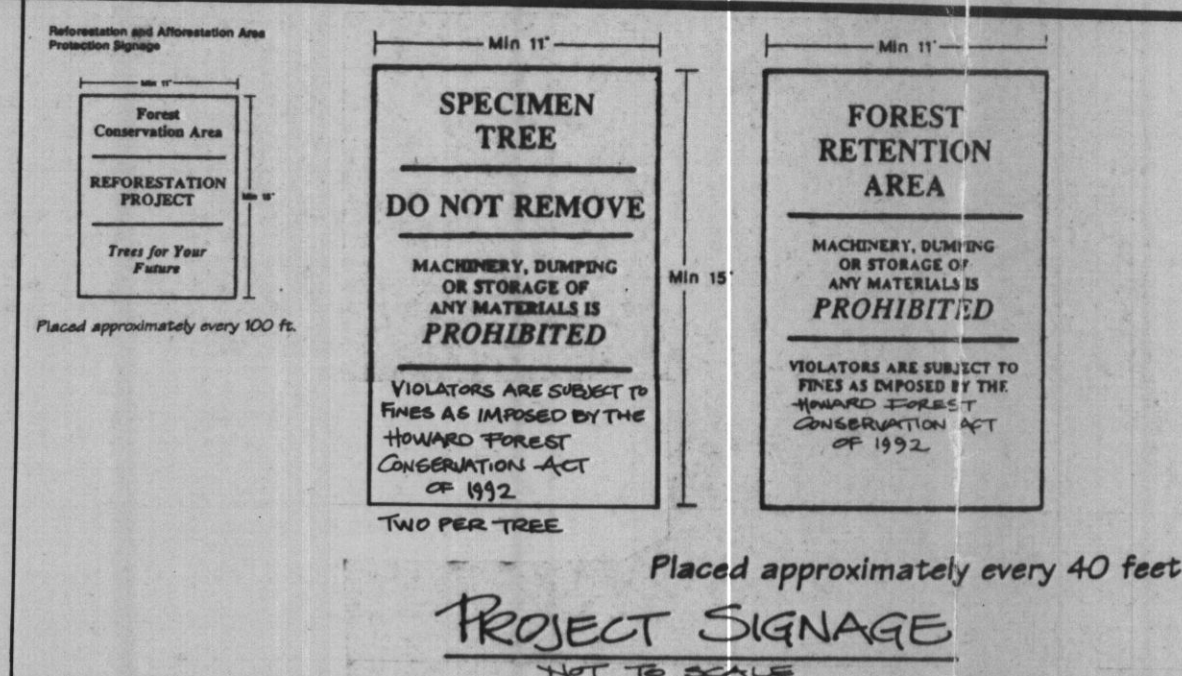
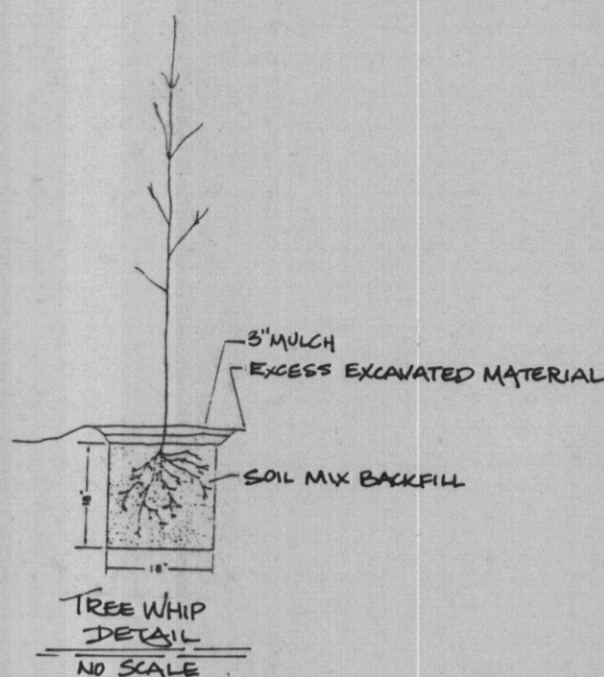
L-1 (NORTH EDGE) - 320' @ 1/60 TREES REQ. = 5
L-2 (SOUTH EDGE) - 520' @ 1/60 TREES REQ. = 8
* TOTAL LANDSCAPE TREES REQ. = 13

* PERIMETER LANDSCAPE REQUIREMENTS FOR THE REAR LOT LINES WILL BE MET THROUGH RETENTION OF EXISTING FOREST AND FOREST CONSERV. AREA (AFFORESTATION/PLANTING)

13 SHADE TREES PROVIDED - RED MAPLE/ACER RUBRUM (PLANTED 60 CENTER TO CENTER AS SHOWN ON PLAN AS AREAS L-1 AND L-2)

I CERTIFY THAT THE LANDSCAPING SHOWN HEREON COMPLIES WITH HOWARD COUNTY LANDSCAPE REQUIREMENTS AND AGREE TO IMPLEMENT THE LANDSCAPING AS SHOWN HEREON.

OWNER/DEV. SARA MAE NOYES DATE

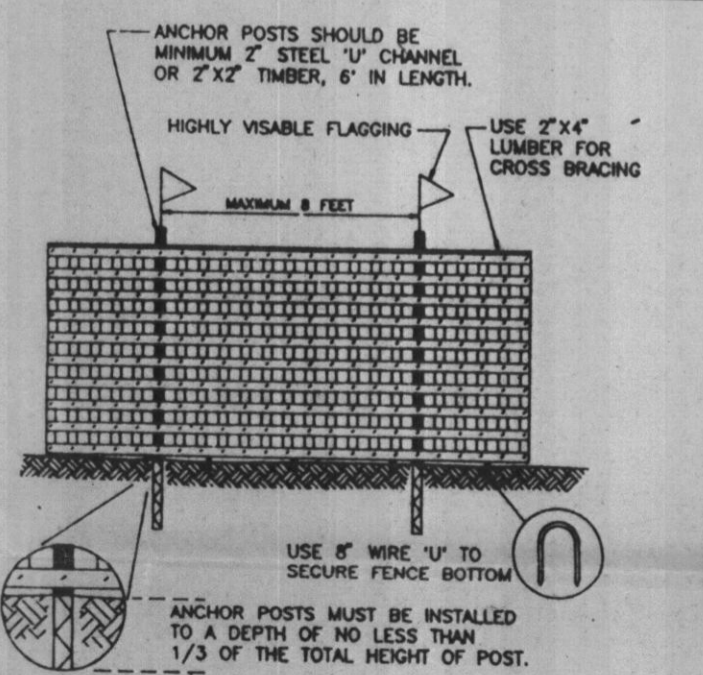
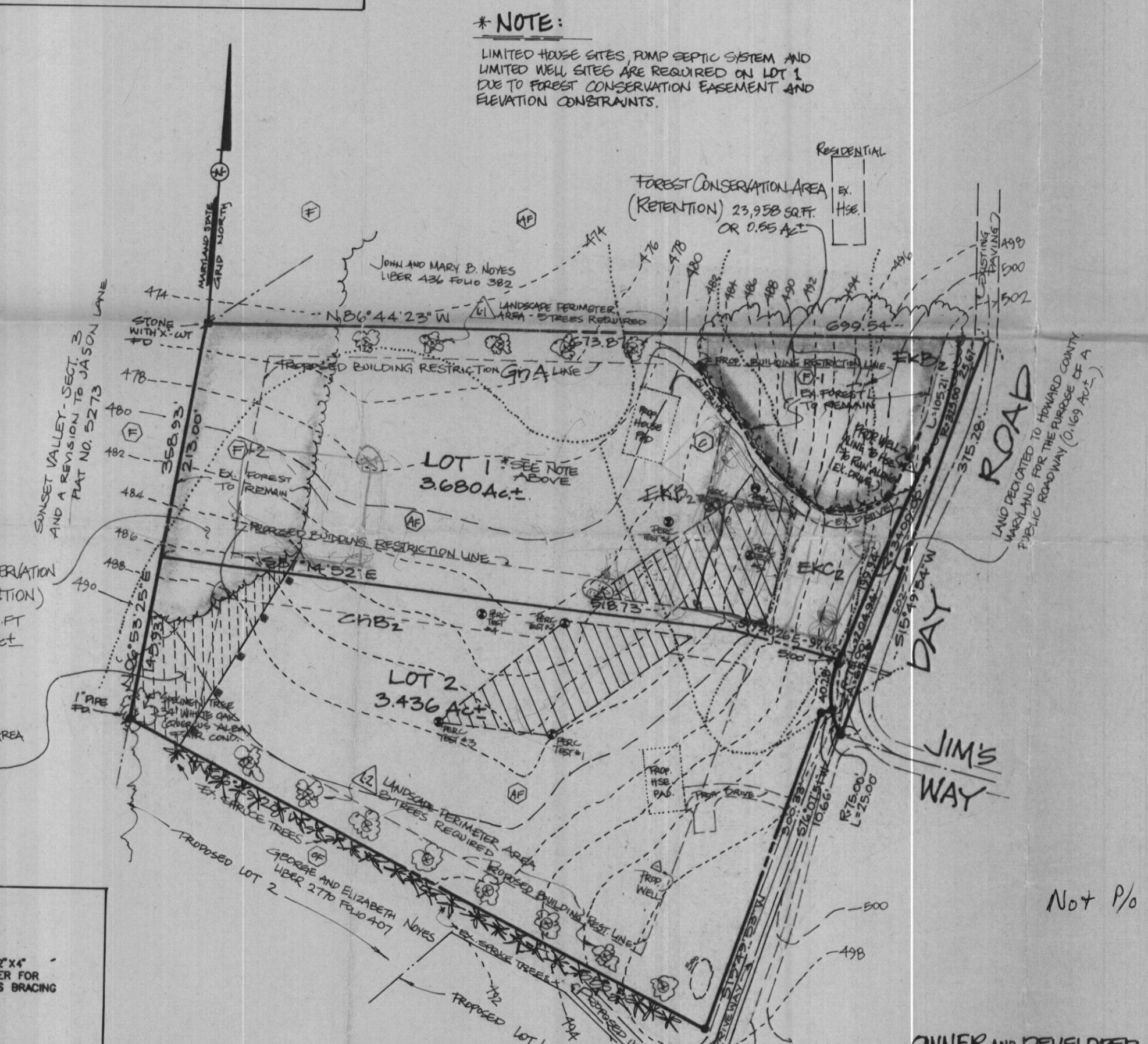


* NOTE:

LIMITED HOUSE SITES, PUMP SEPTIC SYSTEM AND LIMITED WELL SITES ARE REQUIRED ON LOT 1 DUE TO FOREST CONSERVATION EASEMENT AND ELEVATION CONSTRAINTS.

GENERAL NOTES

- THE BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY STEPHEN C. BARNHART, RPLS #168 ON SEPTEMBER 7, 1995.
- FOREST STAND DELINEATION PERFORMED BY MAR-LIN FORESTRY, REGISTERED PROFESSIONAL FORESTER, NO. 192 ON AUGUST 3, 1994.
- THERE ARE NO 25% OR GREATER STEEP SLOPES ON THIS PROPERTY.
- THE PROPERTY SHOWN HEREON IS OWNED BY HARVEY WINFORD NOYES (NOW DECEASED) AND SARA MAE NOYES BY DEED DATED SEPTEMBER 4, 1992 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2710, FOLIO 404.



NOTES
1. FOREST PROTECTION DEVICE ONLY.
2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
4. ROOT DAMAGE SHOULD BE AVOIDED.
5. PROTECTIVE SIGNAGE MAY ALSO BE USED.
6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

FOREST PROTECTION FENCE
NOT TO SCALE

LEGEND

| SYMBOL | DESCRIPTION |
|--------|--|
| (---) | EXISTING TOPOGRAPHY |
| (---) | FOREST CONSERVATION AREA (RETENTION) |
| (---) | SOILS LINE |
| (---) | SPECIMEN TREES |
| (---) | FOREST PROTECTION FENCE |
| (---) | PROJECT SIGNAGE |
| (---) | FOREST CONSERVATION AREA (AFFORESTATION) |
| (---) | LANDSCAPE TREE |

LAND USE KEY

| SYMBOL | DESCRIPTION |
|--------|--------------------------------|
| (E) | FOREST |
| (W) | WETLANDS (OTHER THAN FORESTED) |
| (AF) | ABANDONED FIELD |
| (O) | OPEN FIELD, PASTURE OR MEADOW |
| (C) | CROPS |

FOREST STAND RETENTION AREAS AND PRIORITY RATINGS

| RETENTION AREAS | PRIORITY RATING | ACRES | DISBURDANCE (SQ FT) | RETENTION (SQ FT) |
|-----------------|-----------------|-------|---------------------|-------------------|
| STAND (F)-1 | HIGH | .60 | 2000 # | 23,958 # |
| STAND (F)-2 | FAIR | .67 | 0 | 2,185 # |

TOTAL FOREST RETAINED 1.22 AC / 53,143 #

SOILS LEGEND

| SYMBOL | NAME / DESCRIPTION |
|--------|--|
| G1A | GLENNVILLE SILTCLAY, 0 TO 3 PERCENT SLOPE |
| EKB2 | ELIQUAK SILT LOAM, 3 TO 8 PERCENT SLOPE, MODERATELY ERODED |
| EKC2 | ELIQUAK SILT LOAM, 8 TO 15 PERCENT SLOPE, MODERATELY ERODED |
| ChB2 | CHILLIAM SILT LOAM, 2 TO 5 PERCENT SLOPES, MODERATELY ERODED |

INFORMATION FROM HOWARD SOIL SURVEY - MAPS 3 AND 4

OWNER AND DEVELOPER

SARA MAE NOYES
1879 DEER PARK ROAD
FINKSBURG, MARYLAND
21048

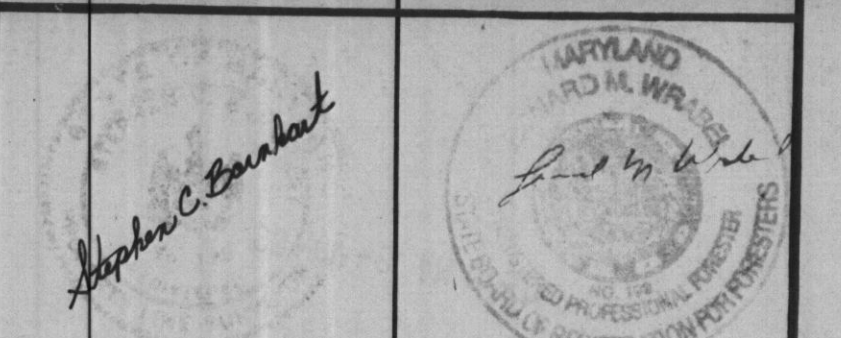
Not P/O Signed Document - Copy of Supplemental Final Easement Eligible for Submittal

PROPERTY OF
SARA MAE NOYES
SUPPLEMENTARY INFORMATION
AND EXISTING CONDITIONS

TAX MAP 9 DEED REF. 2710/404 3RD ELECTION DISTRICT
PARCEL 123 HOWARD COUNTY, MARYLAND
SCALE: 1" = 100'
DATE: AUGUST 7, 1995
REVISED: 10/20/95

STEPHEN C. BARNHART
RPLS #168
SURVEYING AND LAND PLANNING
P.O. BOX 244
FINKSBURG, MARYLAND
21048
(410) 661-8730

MAR-LIN FORESTRY
275 BARNHART ROAD
WESTMINSTER
MARYLAND
21158
(410) 857-2322



SHEET 1 OF 1

COORDINATE TABLE

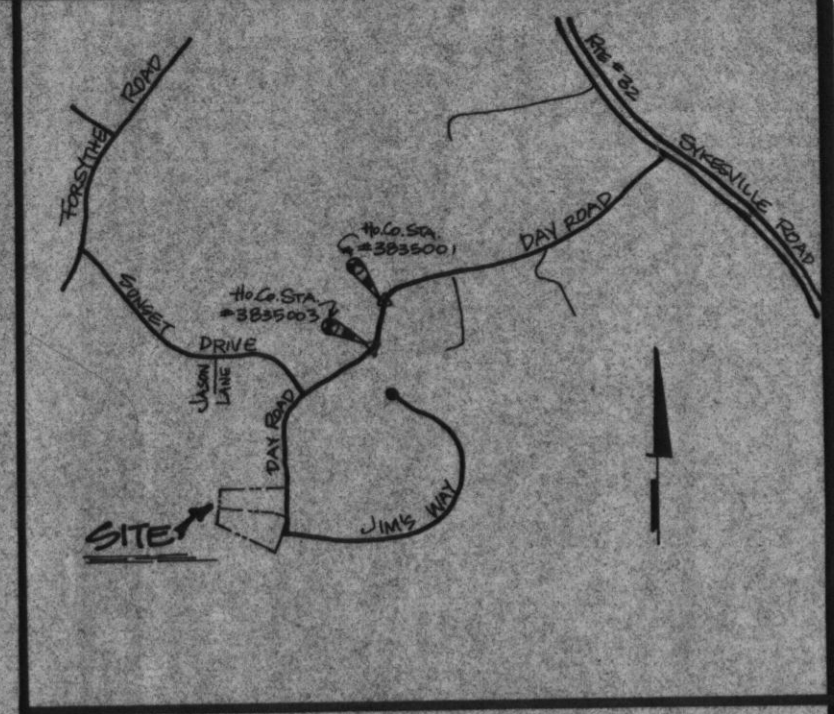
| POINT | NORTH | EAST |
|-------|------------|------------|
| 1 | 548336.105 | 806402.451 |
| 2 | 548352.936 | 806393.561 |
| 3 | 548356.382 | 806383.217 |
| 4 | 548067.446 | 806301.283 |
| 5 | 548301.030 | 805764.364 |
| 6 | 548657.368 | 805807.425 |
| 7 | 548695.693 | 806480.200 |
| 8 | 548697.153 | 806505.832 |
| 9 | 548592.892 | 806460.067 |
| 10 | 548398.718 | 806394.614 |

*** NOTE:**

PUMP SEPTIC SYSTEM AND LIMITED WELL LOCATION IS REQUIRED ON LOT 1 DUE TO FOREST CONSERVATION EASEMENT AND ELEVATION CONSTRAINTS. HOUSE MUST BE LOCATED OUTSIDE OF THE FOREST CONSERVATION EASEMENT AND PRIVATE SEWERAGE EASEMENT AS SHOWN HEREON.

CURVE DATA TABULATION

| PT. TO PT. | RADIUS | ARC LENGTH | DELTA | TANGENT | CHD. BEARING & DISTANCE |
|------------|----------|------------|-----------|---------|-------------------------|
| 1 to 10 | 75.00' | 65.28' | 49°52'00" | 34.87' | N08°01'58"W - 63.23' |
| 10 to 9 | 3400.00' | 204.94' | 03°27'13" | 102.50' | N18°37'41"E - 204.91' |
| 9 to 7 | 325.00' | 105.21' | 18°32'53" | 53.07' | N11°04'51"E - 104.75' |

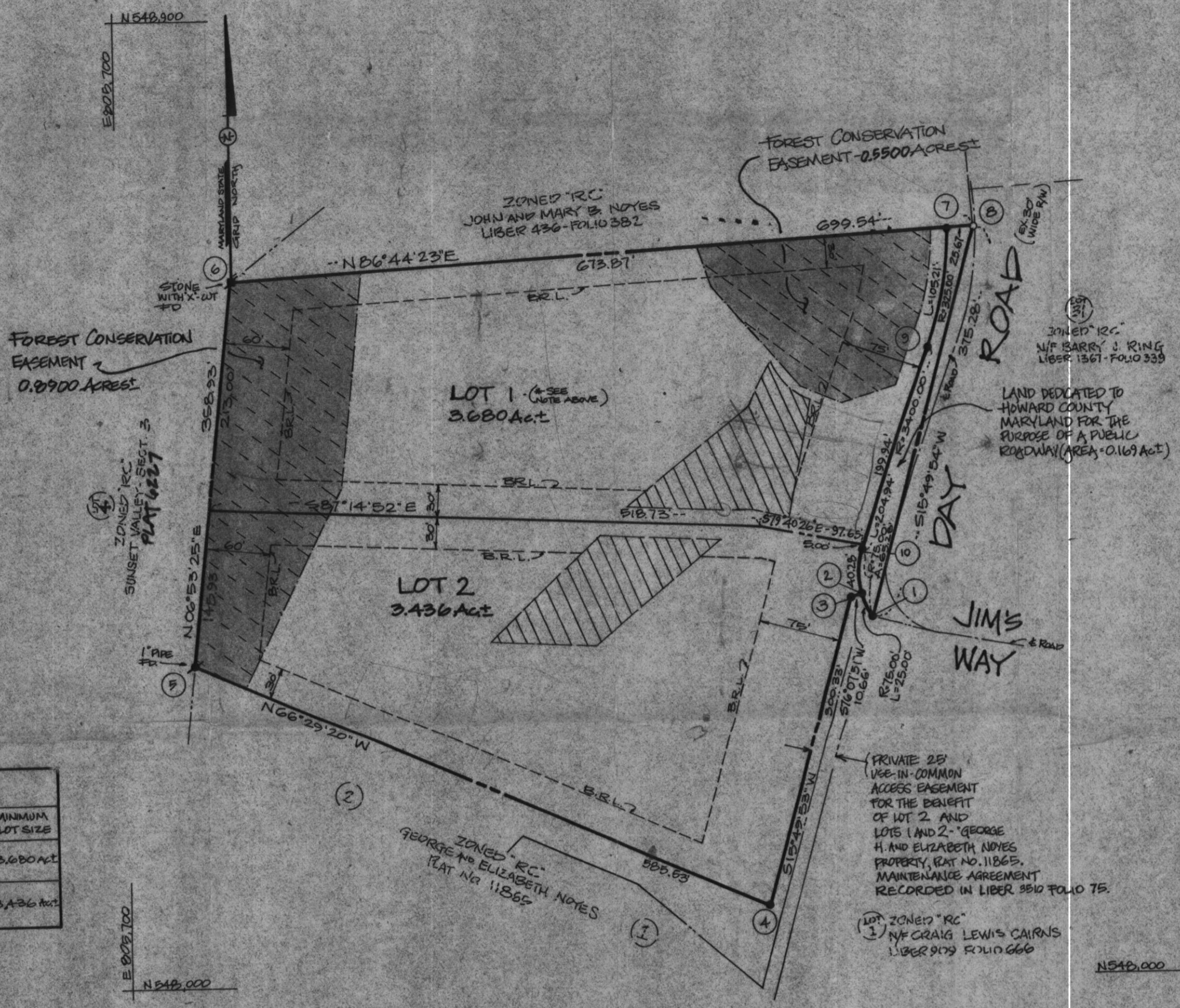


VICINITY MAP
SCALE: 1" = 200'

NOTE: THE REQUIREMENT OF §3-10B, 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.

Sara Mae Noyes 8-7-95
SARA MAE NOYES DATE

Stephen C. Barnhart 8/9/95
STEPHEN C. BARNHART, R.P.L.S. #168 DATE



MINIMUM LOT SIZE TABULATION

| LOT NO. | GROSS AREA | PRESTEM AREA | REMAINING AREA | 100 YEAR FLOODPLAIN | 25% SLOPES | MINIMUM LOT SIZE |
|---------|------------|--------------|----------------|---------------------|------------|------------------|
| 1 | 3.680 Act | 0.000 Act | 3.680 Act | 0.000 Act | 0.000 Act | 3.680 Act |
| 2 | 3.436 Act | 0.000 Act | 3.436 Act | 0.000 Act | 0.000 Act | 3.436 Act |

AREA TABULATION

| | |
|--|-----------|
| TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED | 2 |
| TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED | 0 |
| TOTAL NUMBER OF LOTS TO BE RECORDED | 2 |
| TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED | 7.116 Act |
| TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED | 0.000 Act |
| TOTAL AREA OF LOTS TO BE RECORDED | 7.116 Act |
| TOTAL AREA OF 100 YR FLOOD PLAIN AND 25% OR GREATER STEEP SLOPES | 0.000 Act |
| TOTAL AREA OF ROADWAY TO BE RECORDED | 0.169 Act |
| TOTAL AREA TO BE RECORDED | 7.285 Act |

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

John B. ... 3-6-96
HOWARD COUNTY HEALTH OFFICER MR DATE

APPROVED:
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Stephen C. Barnhart 8/9/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Stephen C. Barnhart 3/15/96
DIRECTOR DATE

OWNER'S CERTIFICATE

SARA MAE NOYES, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPTS THIS PLAT 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, DRAINAGE, WATER LINES AND OTHER MUNICIPAL UTILITIES AND SERVICES, (2) AND UNDOCK ALL ROADS AND STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON (3) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE OF THE DEED OF STREETS AND/OR ROADS, THE FLOOD PLAIN AND OPEN SPACE WHERE APPLICABLE AND FOR ADDITIONAL OTHER UTILITIES AND/OR ROADS, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE ABOVE SAID RIGHTS TO THE DEED OF STREETS/ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE, AND (4) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS, DRAINAGE EASEMENTS AND THE P.R.H.O.S. OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE: (A) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY.

WITNESS OUR HANDS THIS 7th DAY OF AUGUST, 1995

Sara Mae Noyes 8-7-95
OWNER - SARA MAE NOYES DATE

Stephen C. Barnhart
WITNESS

**STEPHEN C. BARNHART
R.P.L.S. #168**

SURVEYING & LAND PLANNING
P.O. BOX 244
FINKSBURG, MARYLAND 21048
(410) 861-8730

OWNER & DEVELOPER
SARA MAE NOYES
1879 DEER PARK ROAD
FINKSBURG, MARYLAND 21048

GENERAL NOTES - CONTINUED

- DEVELOPER RESERVES ONTO ITSELF, ITS SUCCESSORS AND ASSIGNS, THE FOREST CONSERVATION EASEMENTS LOCATED IN AND THROUGH LOTS 1 THROUGH 2, OR PORTIONS THEREOF, AND SHOWN ON THIS PLAT AS THE FOREST CONSERVATION AREA. ALL AND ALL CONVEYANCES OF THE ABOVE SAID LOTS SHALL BE SUBJECT TO THE EASEMENTS HEREBY RESERVED, WHETHER OR NOT EXPRESSLY STATED IN THE DEED(S) CONVEYING SAID LOT(S). DEVELOPER SHALL EXECUTE AND DELIVER A DEED OF FOREST CONSERVATION EASEMENT TO HOWARD COUNTY WITH A METES AND BOUNDS DESCRIPTION OF THE FOREST CONSERVATION AREA. UPON COMPLETION OF THE DEVELOPER'S OBLIGATIONS UNDER THE FOREST CONSERVATION, INSTALLATION AND MAINTENANCE AGREEMENT EXECUTED BY DEVELOPER AND THE COUNTY, AND THE RELEASE OF DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT, THE COUNTY SHALL ACCEPT THE EASEMENTS AND RECORD THE DEED OF FOREST CONSERVATION EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY.

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 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 HAVE THE AUTHORITY TO GRANT VARIANCES FOR THE 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 IS ZONED 'RC' AS PER 87208 COMPREHENSIVE ZONING PLAN.
- COORDINATES BASED ON NAD 27 (1983), MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS # 3835003 AND # 3835001.
STA. NO. H.C. # 3835003 N 550068.71 E 807374.40
STA. NO. H.C. # 3835001 N 550516.489 E 807558.197
- THIS PLAT IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT SEPT. 7, 1989 BY STEPHEN C. BARNHART.
- B.R.L. DENOTES BUILDING RESTRICTION LINE.
- DENOTES IRON PIN SET CAPPED "S. BARNHART, R.P.L.S. #168"
- DENOTES IRON PIN OR IRON BAR FOUND.
- DENOTES ANGULAR CHANGE IN BEARING OF BOUNDARY OR RIGHT OF WAY.
- DENOTES STONE OR CONCRETE MONUMENT FOUND.
- 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 - 16 FEET
b) SURFACE - SIX (6) INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 1/2" MIN.).
c) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS.
d) STRUCTURE CLEARANCES - MINIMUM 12 FEET.
e) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
f) STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (A 25 TON TRUCK).
g) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
- ALL AREAS SHOWN HEREON ARE MORE OR LESS. (E)
- IN ACCORDANCE WITH SECTION 16.124(G) OF THE COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, THIS SUBDIVISION FULFILLS ITS LANDSCAPING REQUIREMENTS THROUGH THE RETENTION OF EXISTING VEGETATION AND THROUGH PLANTING ALONG THE NORTHERN AND SOUTHERN BOUNDARY LINES.
- OVERS EASEMENT FOREST CONSERVATION EASEMENT. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.120 OF THE HOWARD COUNTY CODE FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT AREAS.
- DECLARATION OF MAINTENANCE OBLIGATION FOR PRIVATE USE-IN-COMMON ACCESS EASEMENT SERVING LOT 2 AND LOTS 1 AND 2 - GEORGE H. AND ELIZABETH V. NOYES PROPERTY, IS RECORDED IN LIBER 5910 FOLIO 75 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.
- PUBLIC WATER IS NOT AVAILABLE TO THIS SUBDIVISION AT THIS TIME.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LAND CONVEYED BY HARVEY WINIFORD NOYES (NOW DECEASED) AND SARAH MAE NOYES BY DEED DATED SEPTEMBER 4, 1992 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2770 FOLIO 404 AND THAT ALL MONUMENTS ARE IN PLACE, OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE EASEMENTS IN THIS SUBDIVISION BY HOWARD COUNTY, MARYLAND AS AMENDED, AND THE BOUNDARY SURVEY IS IN ACCORDANCE WITH THE HOWARD COUNTY SUBDIVISION REGULATIONS.

8/9/95
DATE

Stephen C. Barnhart R.P.L.S. #168
STEPHEN C. BARNHART, R.P.L.S. #168

RECORDED AS PLAT NO. 12079 ON 3-20-96
AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

**PROPERTY OF
SARA MAE NOYES**
LOTS 1 AND 2
ZONED RC
TAX MAP 9 - PARCEL #125
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

