

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-361741

P 513314

A 510138-A

DISTRICT \_\_\_\_\_

DATE 3/13/2000

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 4/6/00

INSPECTOR S.R.K.

INCURRED

D & W Excavating IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 3033 Salem Bottom Road, Westminster, MD 21157 PHONE 410-875-2195

SUBDIVISION Warfield Property LOT 3 ROAD 2521 Daisy Road

PROPERTY OWNER James G. Phelps

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - As seen when facing the lot from driveway, begin trenches 90 feet up the right (290.40') lot line and 70 feet off that same lot line. Run trenches on contour initially toward the right lot line, then in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/MR

PLANS APPROVED BY Amy McMillen DATE 6-29-1999

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

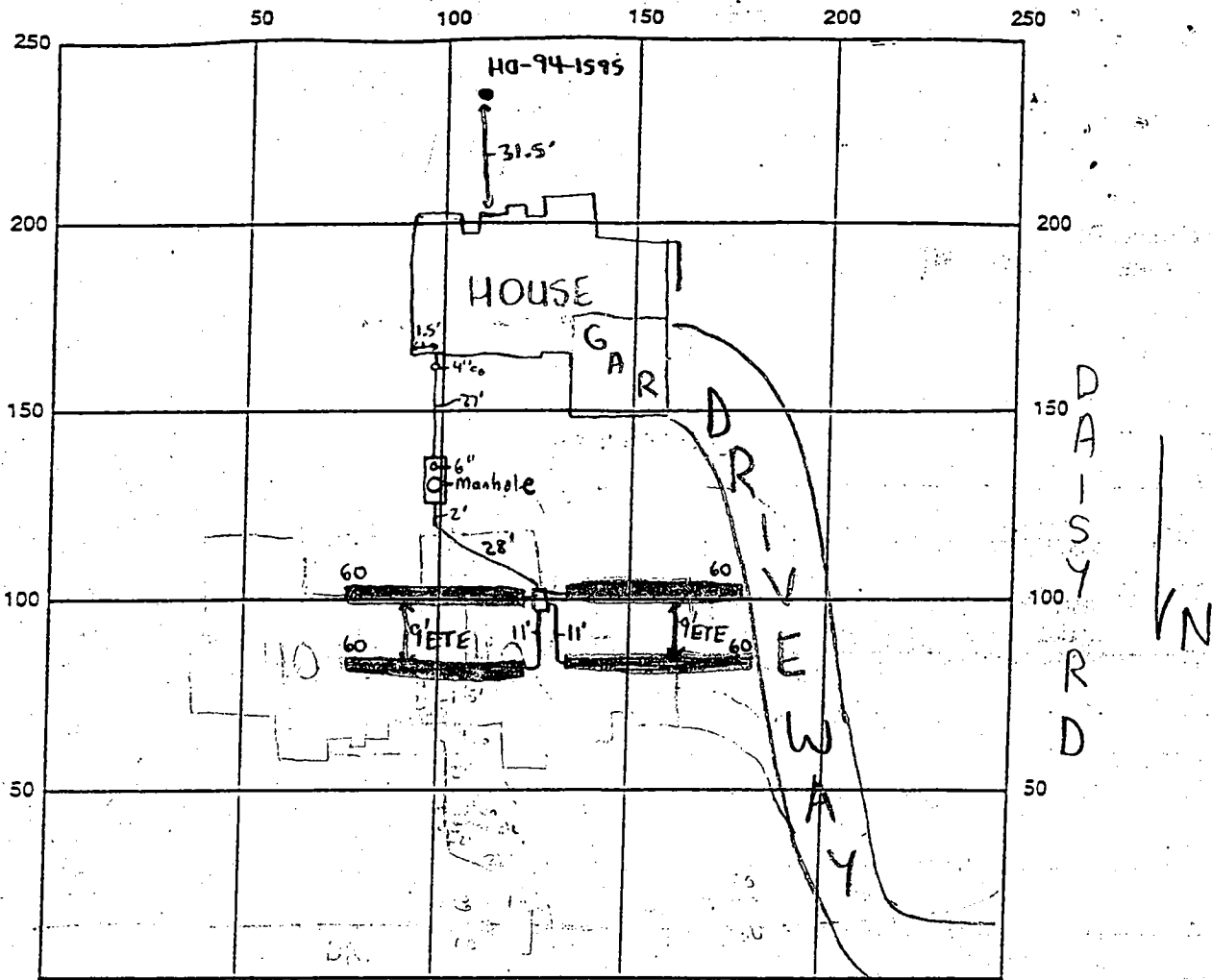
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL  Baffles are in 1250 gallon midseam CLEANOUTS 4" at house, 6" at tank, Manhole at Tank

DISTRIBUTION BOX LEVEL  Baffle is in

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 ~~ONE SIDEWALL~~ BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 4/6/00 - OK TO COVER ALL WORK (SRK)

DATE SYSTEM APPROVED 4/6/00 INSPECTOR Steven R. Krieg

**GENERAL NOTES:**

- 1) THIS PLAT IS PREPARED FOR THE INSOFAR AS IT IS REQUIRED BY A CONTEMPLATED TRANSFER, FINANCIAL PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OR LOCATION AS A RESULT, THIS PLAT DOES NOT IDENTIFICATION MAY NOT BE REQUIRED.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONING MAP OF HOWARD COUNTY, MARYLAND DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE PLUS OR MINUS (+/-).

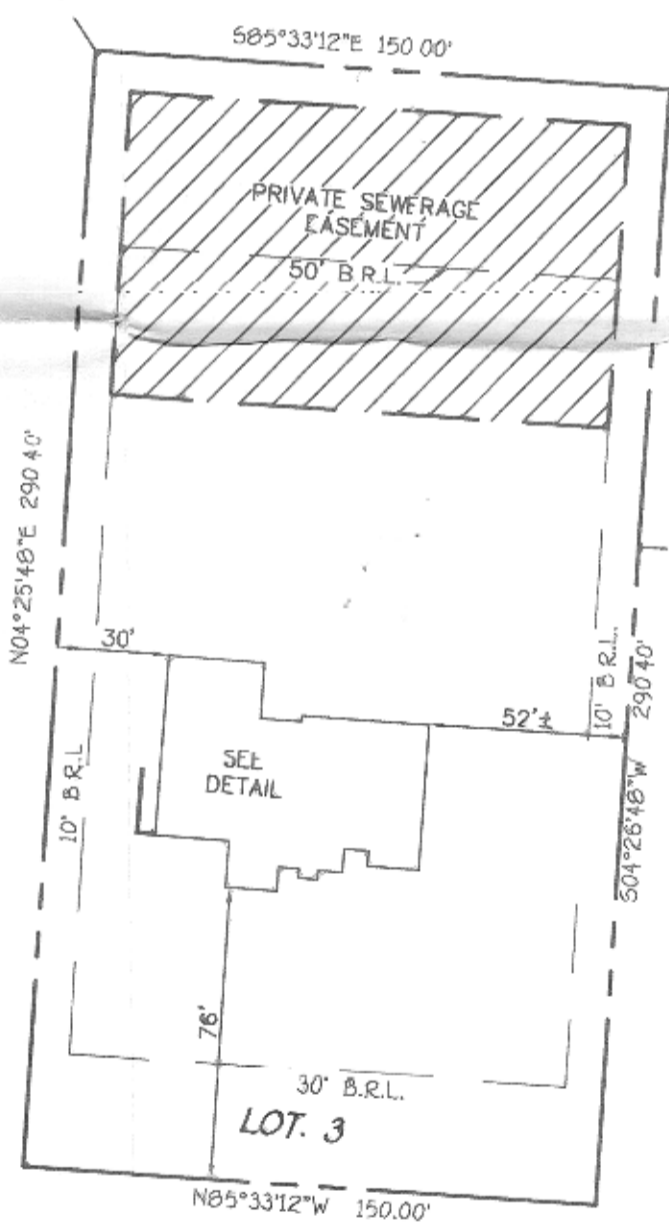
Section 16.119(f)(3) Of The Subdivision And Land Development Regulations Allows A Single Use-In-Common Driveway For Both Lots And The Property Residue

PROPERTY OF  
JOHN G. SHARP AND THE ES & F OF  
FRANCES A. SHARP  
LIBER No. 2139, FOLD 45

PROPERTY OF  
ROBERT H. WARFIELD  
LIBER No. 2027, FOLD 45


Private Use-In-Common Easement Across The Property For The Use And Benefit Of Lots 3, 4 And Residue Property Maintenance Agreement Recorded Among The Land Records Of Howard County, Maryland

4/4/00 -  
House moved 22'± towards front lot line.  
Well is 31.5'± to house (Field Verified)  
**OK SRU**



LOT 3  
ROBERT WARFIELD PROPERTY  
LOTS 3 AND 4  
(A RESUBDIVISION OF ROBERT WARFIELD PROPERTY  
LOTS 1 AND 2 - PLAT NO. 13390)  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT REF 13735

PROPERTY OF  
HUGH E. FLAHERTY AND  
ARGENTIA FLAHERTY  
LIBER No. 2535, FOLD 718

 <p>MARYLAND CROFT 10763 REGISTERED LAND SURVEYOR</p>	<p><b>HOUSE LOCATION DRAWING</b></p>
	<p>FOUNDATION LOCATION: 11/24/99 FINAL LOCATION: BOUNDARY SURVEY:</p>
<p>SURVEYOR: <u>W.A.P.</u> DATE: <u>11/15/99</u></p>	<p>SCALE: DATE: 11/15/99 DRAWN BY: T.P.F. CHECKED BY: C.C. PROJECT No.: 30650</p>

LOT 4

HOWARD COUNTY HEALTH DEPARTMENT  
 Bureau of Environmental Health  
 3525-H Ellicott Mills Drive  
 Ellicott City, MD 21043  
 461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Y  
 Replacement \_\_\_\_\_

Receipt # \_\_\_\_\_  
 Date \_\_\_\_\_

Name of Installer Gartland Plumbing Inc

Telephone 410-875-5303

License Number 6352

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber X

Name of Property Owner James E. Phelps

Telephone \_\_\_\_\_

Subdivision Robt. Warfield PropLot # 3

Well Tag # HO-94-1575

Site Address 2521 Daisy Rd

Pump

1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible X
2. Make Goulds
3. Model # 7GS
4. Capacity 2 GPM
5. Pump exceeds well capacity Yes \_\_\_\_\_ No X
6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No X
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors \_\_\_\_\_ Cable guards \_\_\_\_\_ Other X

Motor

1. Horsepower 7/4
2. RPM 3450
3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220 X

Pitless Adapter

1. Make Halvard
2. Model # P-100-61
3. Depth 48"

Tank

1. Capacity 1-250
2. Pressure relief valve? Yes

Piping

1. Type Poly
2. Size 1"
3. NSF and/or BOCA Code approved Yes
4. Depth of supply line 48"

Well data

1. Depth 270 ft.
2. Yield 2 GPM
3. Static water level 20 ft.
4. Will water supply be disinfected by installer? no

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant \_\_\_\_\_

Date: 2-19-00

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

199  
 COL BY

EXISTING PAVING

EXISTING PRESCRIPTIVE  
 30' WIDE RIGHT-OF-WAY

**DAISY ROAD**  
 (Major Collector)

Total linear feet of trench  
 required 240 feet

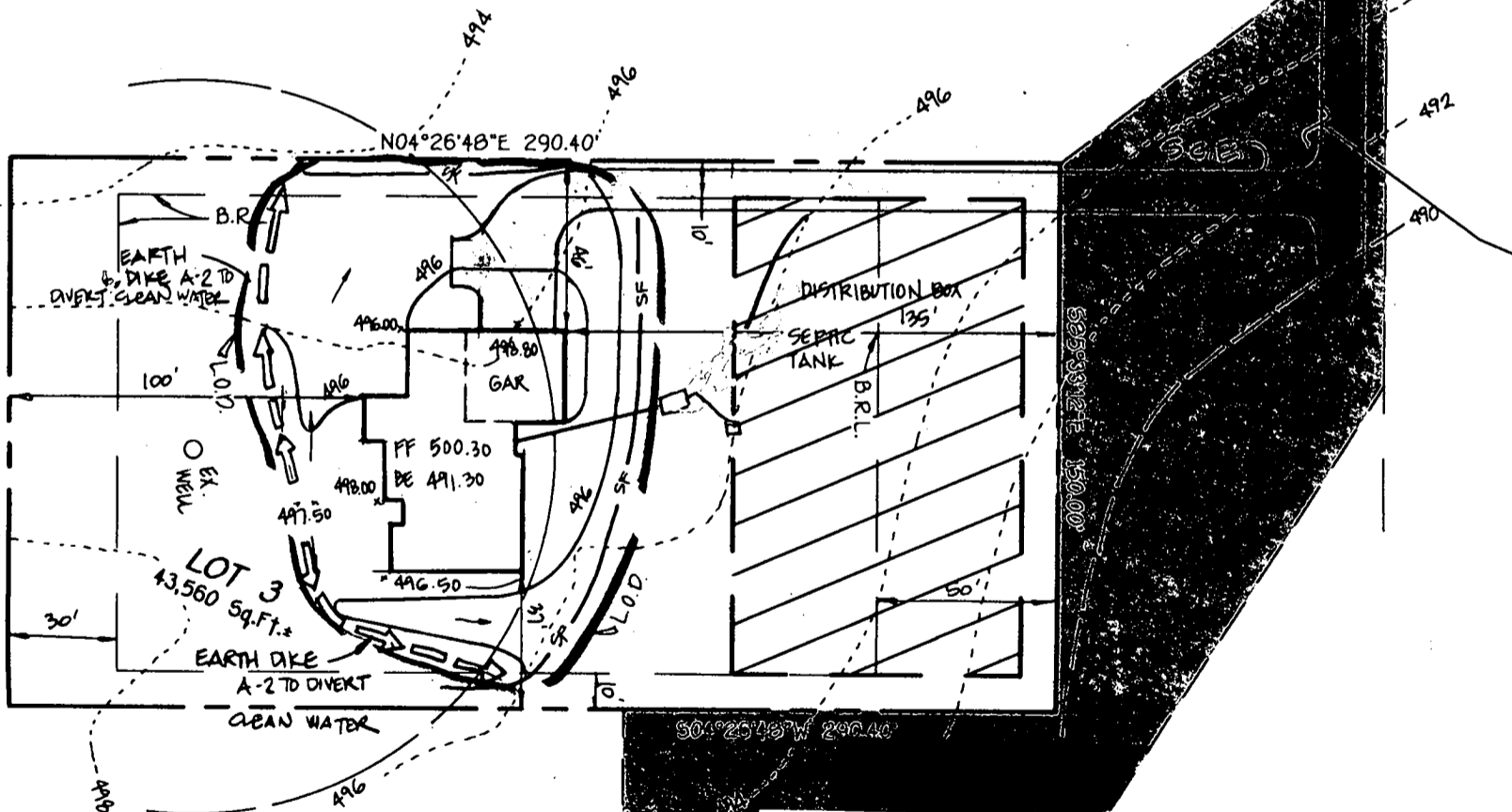
Width of trench(es) 3.0 feet

Depth of trench(es) 6.0 feet

Depth of stone required below  
 distribution pipe 2.0 feet

Approved Septic System Plan  
 Howard County Health Department

Amie McMill 6/29/99  
 Signature Date



**GENERAL NOTES**

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 500.30  
 B. BASEMENT ELEVATION: 491.30  
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 497.50  
 D. INVERT IN AT SEPTIC TANK: 493.50  
 E. INVERT OUT AT SEPTIC TANK: 493.50  
 F. PROPOSED GRADE OVER SEPTIC TANK: 496.50  
 G. INVERT AT DISTRIBUTION BOX: 496.00  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 496.00
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.
7. Maintain 1-2% fall in septic line 10 feet prior to septic tank.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 BELLCOTT CITY, MARYLAND 21042  
 (410) 461-2055

**PLAN**  
 SCALE: 1"=50'

# APPLICATION

6/3/98

PERCOLATION TESTING

A 510138

P \_\_\_\_\_

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

5-12-98  
Purpose: Two one acre  
agricultural lots and perc  
testing for a 10,000 \$ on  
the residue parcel.

DISTRICT \_\_\_\_\_

DATE 5-11-98

*AU*

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 JAMES Q. PHELPS

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER MR. JAMES PHELPS

ADDRESS P.O. Box 2050 3440 ELLICOTT CENTER DR. PHONE (410) 461-7997  
ELLICOTT CITY MD. 21041-0014

PROPERTY LOCATION:

SUBDIVISION WAREFIELD PROP. LOT NO. 1

ROAD AND DESCRIPTION 2521 DAISY ROAD

**ADJ. PERMIT SIGNED**

TAX MAP 14 PARCEL # P/O 7

**AND RETURNED 6-29-98**  
*Serial # B70118660*  
*S.F.D. - 4Bm*

SIZE OF LOT 1 AC. TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Richard Y. Fisch (agent)  
(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  
408

red  
SiCLM

4.0

brown  
SiLM  
10%  
dark  
black  
brown  
shale  
some  
decayed  
feldspar

12.0

411

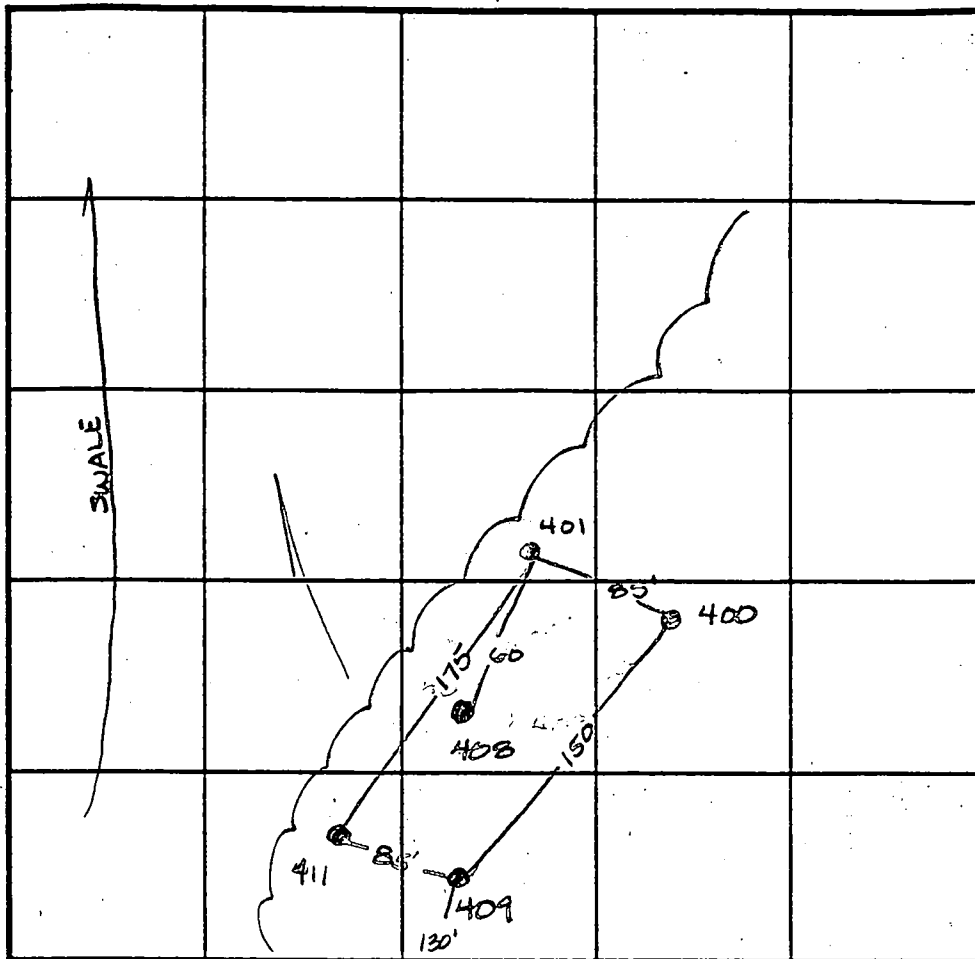
no  
distinct  
clay  
layer  
lgt  
pink  
SiLM  
<10%  
Rx

12.0

409

no  
distinct  
clay  
layer  
beige  
SiCLM  
20%  
frag  
Rock  
approaching  
40%  
towards  
bottom

11.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. DAISY ROAD

SOIL PROFILE  
400

lgt  
yellow  
tan  
SiCLM

3.0

lgt  
pink  
SiLM  
<10%  
Rx

12.0

401

red  
SiCLM  
lgt brown  
SiLM  
30% Rx  
packets  
throughout

5.0

11.5

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-3-98	408	5.0 V12.0	11:43	11:46	11:46	11:52	6min
	411	3.0 V12.0	11:51	11:53	11:53	12:00	7min
	409	Visual	to 11:0 - see profile		—		OK
	400	4.5 V12.0	11:26	11:31	11:31	11:37	6min
		8.5 V12.0	11:26	11:29	11:29	11:33	4min
	401	6.0 V11.5	11:32	11:34	11:34	11:40	6min

REMARKS Holes not dug on stake

TYPE OF SOIL \_\_\_\_\_

TESTED BY A. McMillen ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 511341

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

1-22-99  
Purpose - adjust  
SDA'S & lot layout  
AU

DISTRICT \_\_\_\_\_

DATE 1/7/98

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 Mr. James Phelps

ADDRESS P.O. Box 2050 3440 ELLICOTT CENTER DRIVE PHONE (410) 461-7997  
ELLICOTT CITY MD 21041-0014

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION WARFIELD PROPERTY LOT NO. 1A

ROAD AND DESCRIPTION DAISY ROAD

TAX MAP 14 PARCEL # p/o 7

SIZE OF LOT 1 AC. TYPE BLDG. S.F.D.  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND 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.  
Eckman G. Frisch (agent)  
(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

429

0'  
orange  
brown  
cl lm

4'  
orange  
pink  
sil m  
10%  
shale  
frags

13'  
430

orange  
brown  
cl lm

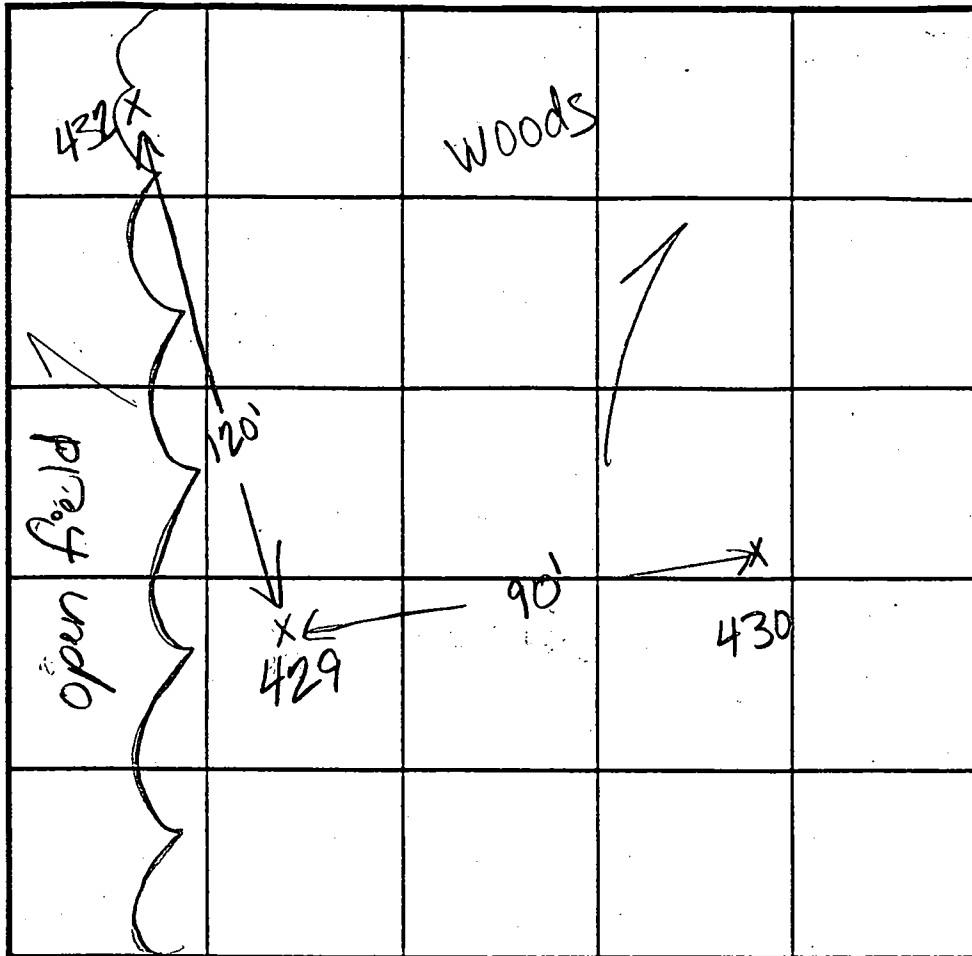
4'  
pink/  
tan  
sil m

13'  
432

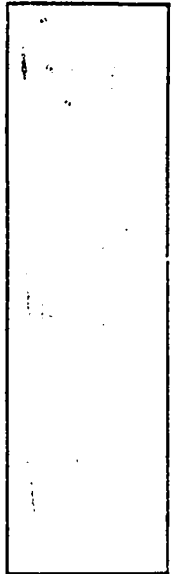
orange/  
pink  
cl m

3.5'  
pink/  
orange  
sil m

12'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Daisy Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-29-99	429	5.0'S	10:1630	10:1830	10:1830	10:22	330
		13.0'D	visual	ok - see profile			
	430	5.0'S	10:309	10:3310	10:3310	10:3740	430
		13.0'D	visual	ok - see profile			
	432	12.0'D	visual	only - see profile			

REMARKS test holes staked

TYPE OF SOIL \_\_\_\_\_

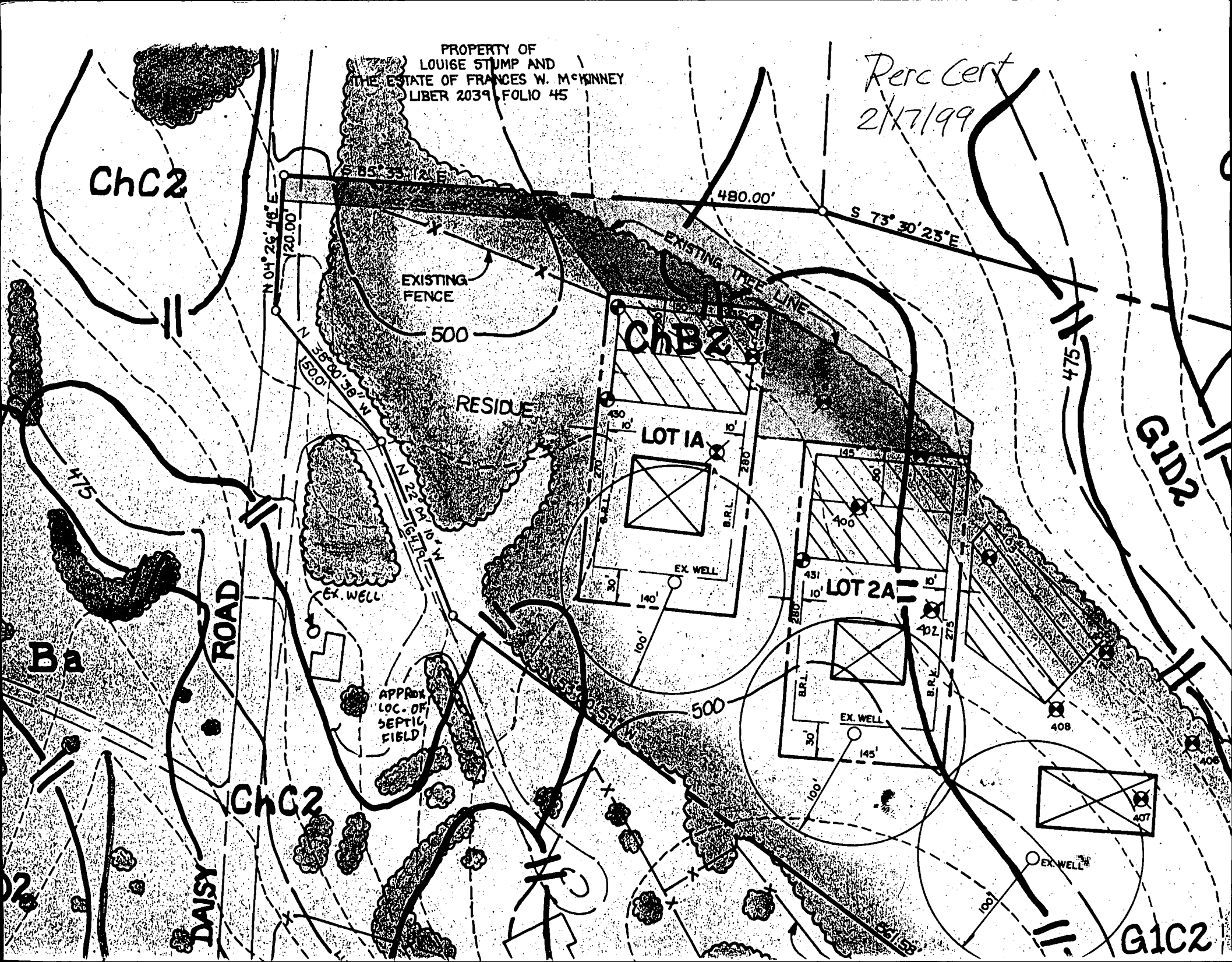
TESTED BY Kim Maiste ALSO PRESENT Olen Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4min TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM 180

PROPERTY OF  
LOUISE STUMP AND  
THE ESTATE OF FRANCES W. MCKINNEY  
LIBER 2039, FOLIO 45

*Perc Cert*  
*2/17/99*



ChC2

ChB2

RESIDUE

LOT 1A

LOT 2A

Ba

ChC2

G1C2

DAISY ROAD

APPROX  
LOC. OF  
SEPTIC  
FIELD

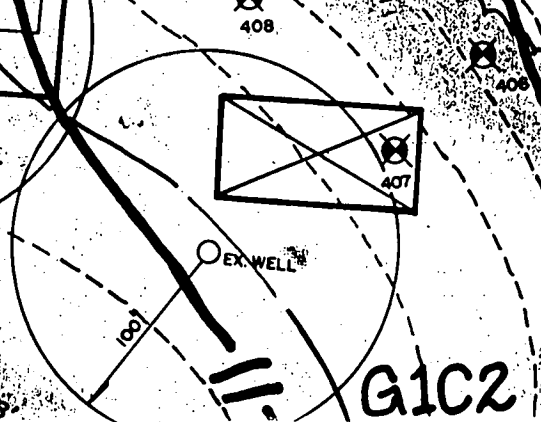
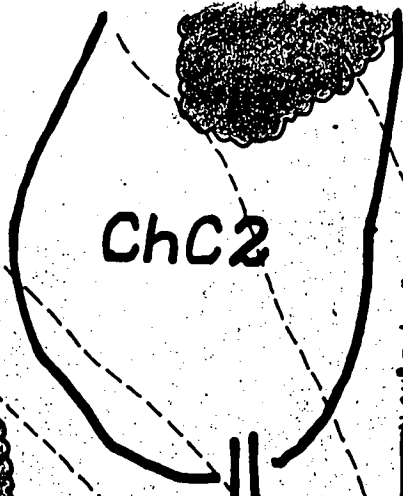
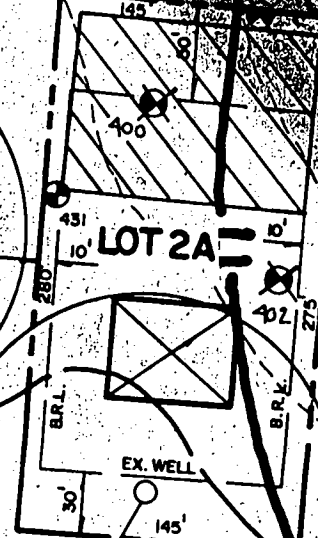
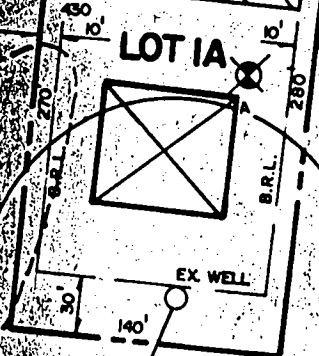
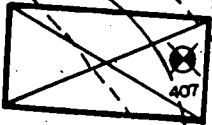
EXISTING  
FENCE

EXISTING TREE LINE

EX WELL

EX WELL

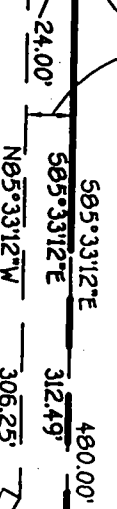
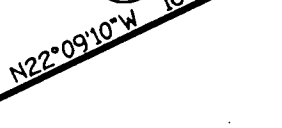
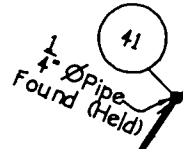
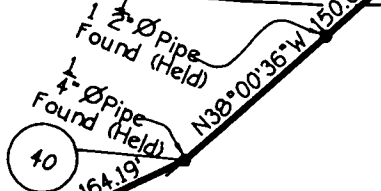
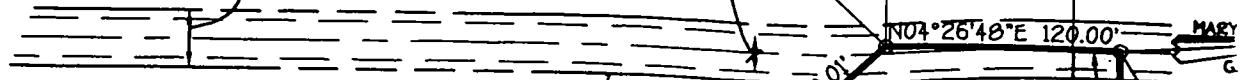
EX WELL



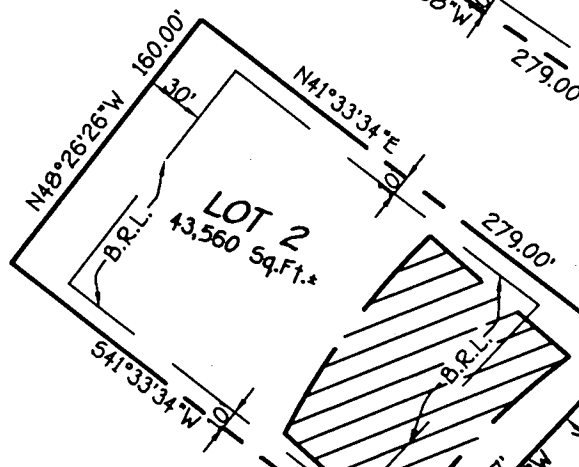
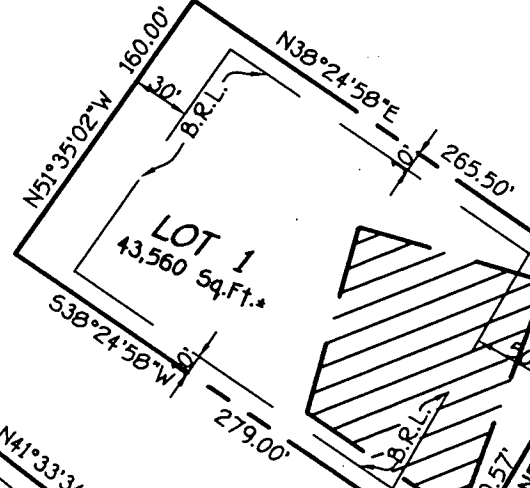
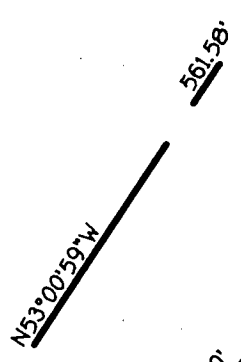
EXISTING PRESCRIPTIVE  
30' WIDE RIGHT-OF-WAY

EXISTING PAVING  
**DAISY ROAD**  
(Major Collector)

Vehicular Ingress And  
Egress Is Restricted



PROPERTY OF  
HUGH E. FLAHERTY AND  
VIRGINIA FLAHERTY  
R No. 2535, FOLIO 718



24' Wide Private Use-In-Common  
Access Easement Across The  
Residue Property For The Use  
And Benefit Of Lots 1, 2 And  
The Residue Property.  
Maintenance Agreement Recorded  
Among The Land Records Of  
Howard County, Maryland

RESIDUE  
PROPERTY OF  
JAMES L. PHELPS AND  
CORR S. PHELPS  
LIBER No. 4443, FOLIO 358  
MAP B, PARCEL 7 OF THE  
HOWARD COUNTY LAND PRESERVATION  
EASEMENT #H086-02E

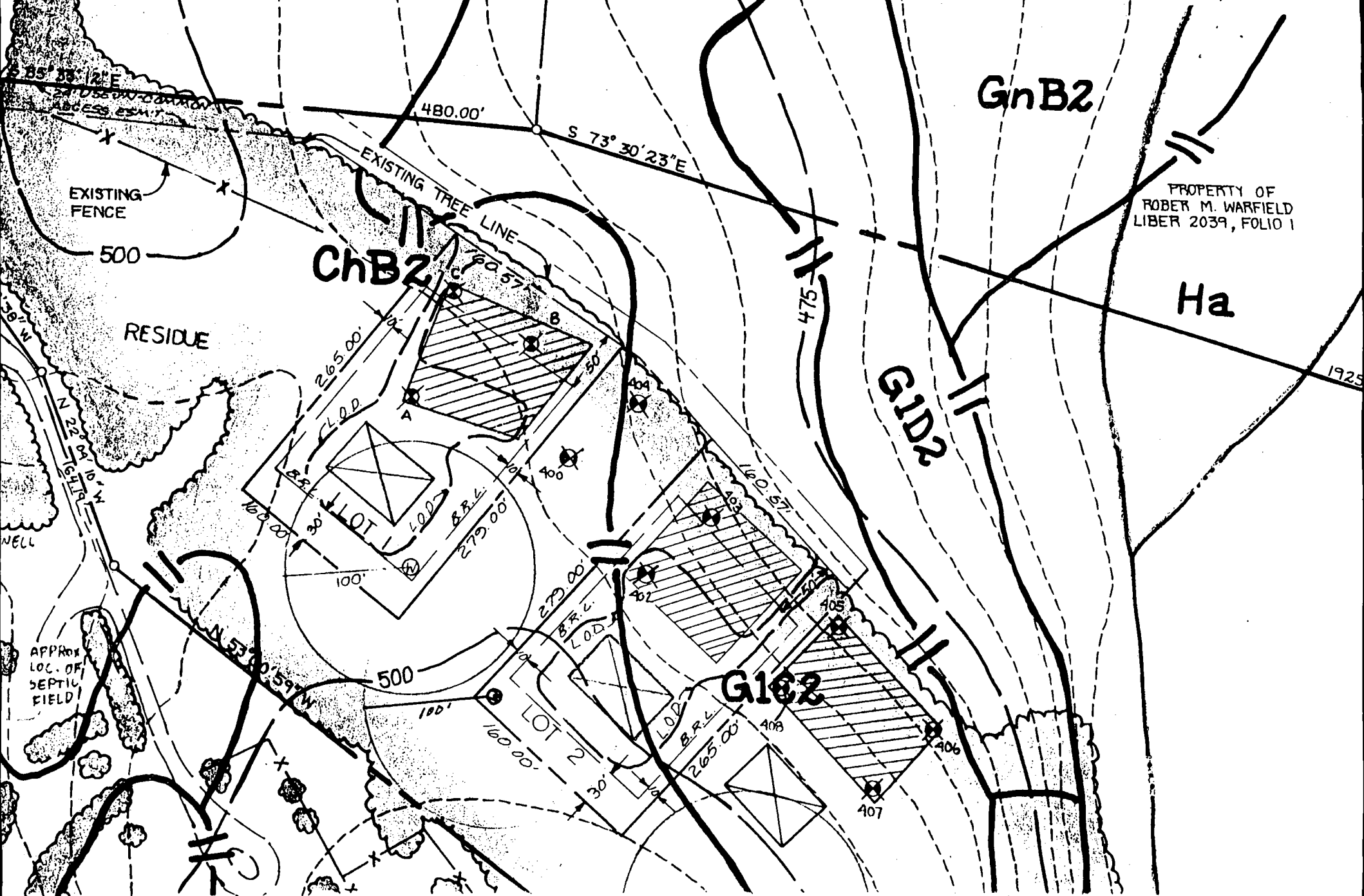
F-99-06

c/o Rep...  
DEVELOP...

Revised Parc. Cert  
Signed 7-13-98

PROPERTY OF  
LOUISE STUMP AND  
THE ESTATE OF FRANCES W. MCKINNEY  
LIBER 2039, FOLIO 45

PROPERTY OF  
ROBER M. WARFIELD  
LIBER 2039, FOLIO 1



ChB2

GnB2

Ha

G1D2

G1B2

EXISTING TREE LINE

EXISTING FENCE

RESIDUE

APPROX  
LOC. OF  
SEPTIC  
FIELD

LOT 1

LOT 2

WELL

480.00'

S 73° 30' 23" E

475

265.00'

279.00'

160.57'

160.00'

279.00'

265.00'

500

160.00'

265.00'

265.00'

407

400

402

403

404

405

406

39.1

22.6

19.1

53.8

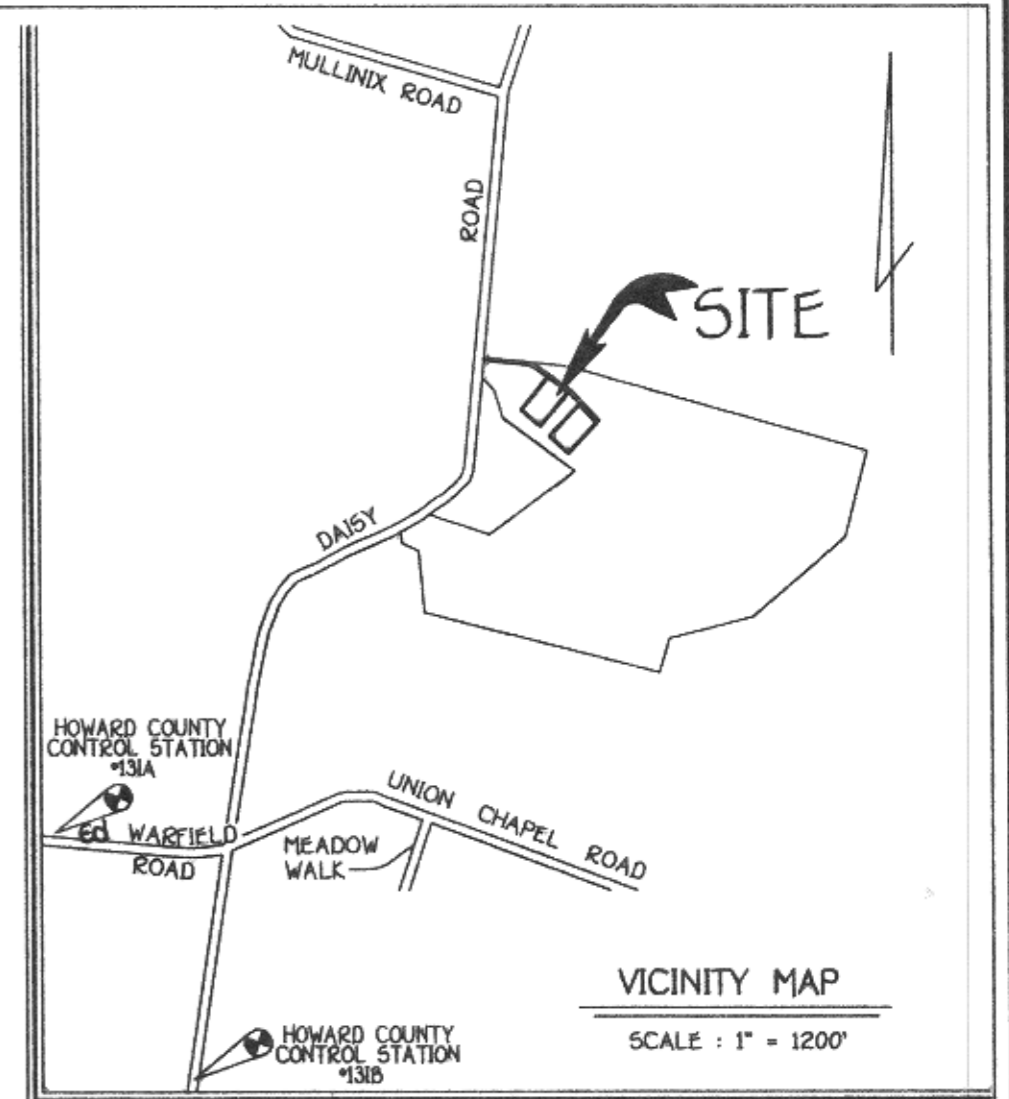
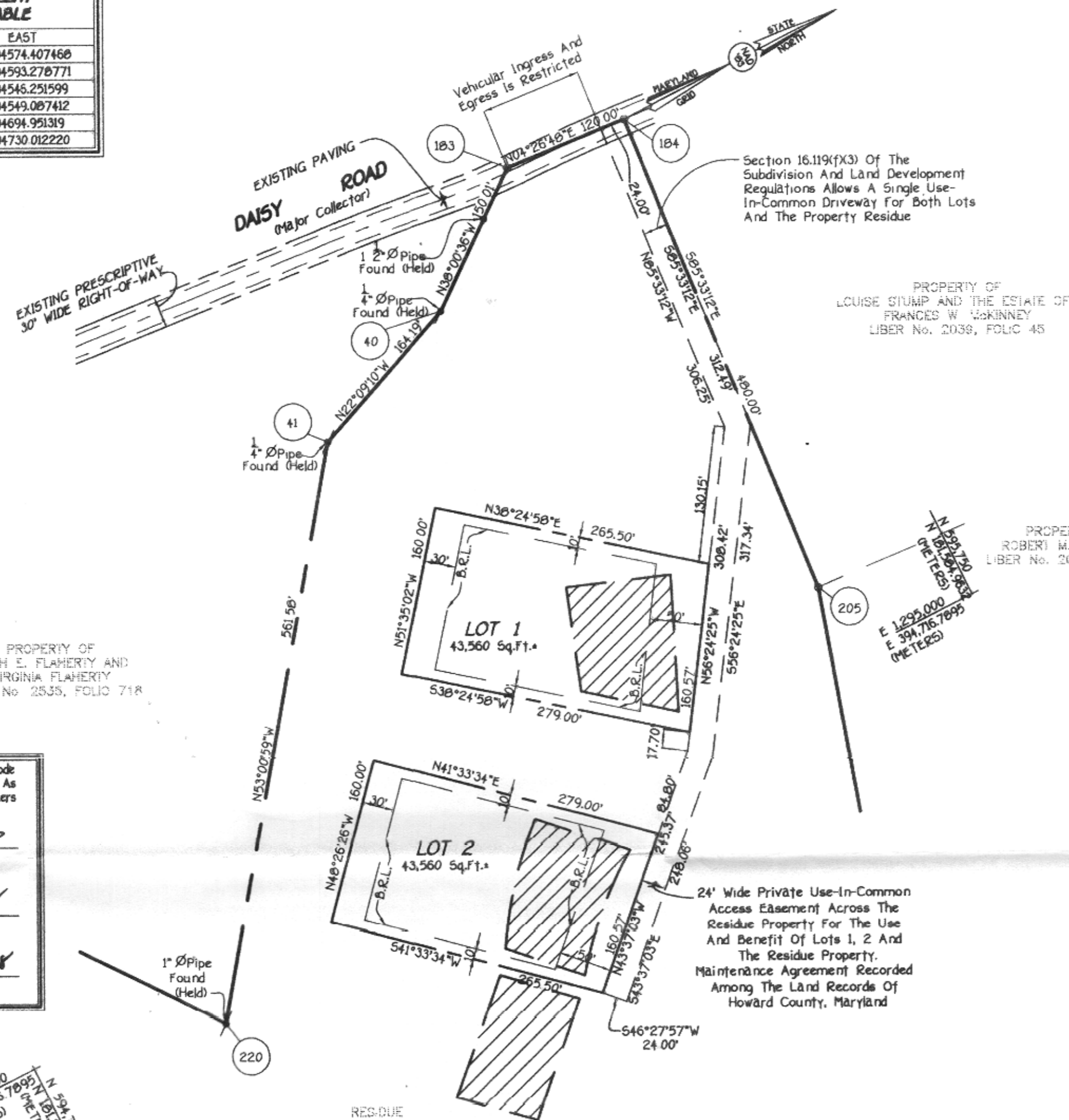
59.1

10.1

10.1

1925

U.S. EQUIVALENT COORDINATE TABLE			METRIC EQUIVALENT COORDINATE TABLE		
POINT	NORTH	EAST	POINT	NORTH	EAST
40	595422.199500	1294532.060500	40	101405.049370	394574.407460
41	595270.126500	1294594.702100	41	101430.697435	394593.270771
103	595540.391720	1294440.493709	103	101521.074134	394546.251599
104	595660.024505	1294449.797616	104	101557.540100	394549.007412
205	595622.014502	1294920.352705	205	101546.196977	394694.951319
220	594932.205401	1295043.301760	220	101335.723262	394730.012220



E 1294.000  
E 394.564.309279  
(METERS)  
N 595.730  
N 1294.982  
(METERS)

PROPERTY OF  
HUGH E. FLAHERTY AND  
VIRGINIA FLAHERTY  
LIBER No. 2535, FOLIO 718

PROPERTY OF  
ROBERT M. WARFIELD  
LIBER No. 2039, FOLIO 45

The Requirements §3-100, 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

*Terrell A. Fisher* 10/6/98  
Terrell A. Fisher, L.S. #10692  
(Registered Land Surveyor)

*James L. Phelps* 10/5/98  
James L. Phelps  
(Owner)

*Corà S. Phelps* 10/5/98  
Corà S. Phelps  
(Owner)

**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.
- Subject Property Zoned RC-DEO Per 10/10/93 Comprehensive Zoning Plan.
- Coordinates Based On Nad '83, Maryland Coordinate System As Projected By Howard County Geodetic Control Stations No. 131A And No. 131B.  
Sta. 131A N 100654.5053 m E 393726.7507 m  
Sta. 131B N 100103.6976 m E 393906.0560 m
- This Plat Is Based On Field Run Monumented Boundary Survey Performed On Or About June, 1995, By Fisher, Collins And Carter, Inc.
- B.R.L. Denotes Building Restriction Line.
- Denotes Iron Pin Set Capped "F.C.C. 106".
- ⊕ Denotes Iron Pipe Or Iron Bar Found.
- Denotes Angular Change In Bearing Of Boundary Or Rights-Of-Way.
- Denotes Concrete Monument Set With Aluminum Plate "F.C.C. 106".
- Denotes Concrete Monument Or Stone Found.
- Refuse Collection, Snow Removal And Road Maintenance To Be Provided At The Junction Of Use-In-Common Access Easement And The Road R/W And Not Onto The Use-In-Common 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 (14 Feet Serving More Than One Residence);  
b) Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating.  
    (1/2" Minimum);  
c) Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius;  
d) Structures (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (H25-Loading);  
e) Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surface;  
f) Structure Clearances - Minimum 12 Feet;  
g) Maintenance - Sufficient To Insure All Weather Use. No Clearing, Grading Or Construction Is Permitted Within Wetland Or Stream Buffers. Unless, Approved By The Department Of Planning And Zoning Of Howard County, Maryland.
- All Lot Areas Are More Or Less (±).
- Distances Shown Are Based On Surface Measurement And Not Reduced To Nad '83 Measurement.
- Lots 1 And 2 Are Created In Accordance With Section 104.E.6. Of The Zoning Regulations.
- This Plat Is Subject To Section 15.514(b) Of The Agricultural Preservation Program.
- This Subdivision Is Exempt From The Requirements Of The Forest Conservation Program Per Section 16.1202(b)(ix)(vii) Of The Subdivision And Land Development Regulations. Landscaping Requirements For These Lots Are In Accordance With The Alternative Compliance Provisions Of Section 16.124 Of The Howard County Code And The Landscape Manual As A Result Of The Lot's Site Location Within The Farm's Interior And Surrounding Existing Woods.
- Lots Shown On This Plat Comply With Minimum Ownership Width And Lot Areas As Required By The Maryland State Department Health Regulations.
- There Are No Non-Tidal Wetlands Existing Within The Limits Of Proposed Lots 1 And 2.

E 1295.000  
E 394.716.7099  
(METERS)  
N 594.730  
N 1295.000  
(METERS)

RESIDUE  
PROPERTY OF  
JAMES L. PHELPS AND  
CORÀ S. PHELPS  
LIBER No. 4443, FOLIO 356  
(MAP B, PARCEL 7 OF THE  
HOWARD COUNTY LAND PRESERVATION  
EASEMENT #H098-07E)

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELlicott CITY, MARYLAND 21042  
(410) 484 - 2895  
30650 RecPl11dwy

**TOTAL SHEET 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	2,000 AC.
Total Area Of Open Space Lots To Be Recorded	0.000 AC.
Total Area Of Lots To Be Recorded	2,000 AC.
Total Area Of Roadway To Be Recorded	0.000 AC.
Total Area To Be Recorded	2,000 AC.

**OWNER**  
Mr. James L. Phelps and  
Mrs. Corà S. Phelps  
P.O. Box 2050  
3440 Ellicott Center Drive  
Ellicott City, Maryland 21041-0014

**DEVELOPER**  
Mr. Jim Phelps  
c/o Regional Underwriters Service Company  
P.O. Box 2050  
3440 Ellicott Center Drive  
Ellicott City, Maryland 21041-0014

Approved For Private Water And Private Sewerage Systems, Howard County Health Department.

*Jane M. Bond* 10/16/98  
Jane M. Bond  
Howard County Health Officer

Approved Howard County Department Of Planning And Zoning.

*James L. Phelps* 10/23/98  
James L. Phelps  
Chief, Development Engineering Division

*Corà S. Phelps* 10/29/98  
Corà S. Phelps  
Director

**OWNER'S CERTIFICATE**

James L. Phelps And Corà S. Phelps, Husband And Wife, Owners Of The Property Shown And Described Hereon, Herby 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, Herby 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 My Hand This 5<sup>th</sup> Day Of October, 1998.

*James L. Phelps*  
James L. Phelps

*Corà S. Phelps*  
Corà S. Phelps

*James L. Phelps*  
Witness

*Corà S. Phelps*  
Witness

**SURVEYOR'S CERTIFICATE**

I Herby Certify That The Final Plat Shown Hereon Is Correct; That It Is A Subdivision Of Part Of The Lands Conveyed By Louise W. Stump, John C. Poulton, Personal Representative Of The Estate Of Robert M. Warfield, Deceased, Late Of Howard County, Maryland; And Laura McLane McKinney, Executrix Of The Estate Of Frances W. McKinney, Deceased, Late Of Fayette County, Kentucky To James L. Phelps And Corà S. Phelps By Deed Dated September 22, 1998 And Recorded In The Land Records Of Howard County, Maryland In Liber No. 4443 At Folio 356, 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* 10/6/98  
Terrell A. Fisher, Professional Land Surveyor No. 10692

Recorded As Plat No. 13390 On 11-4-98  
Among The Land Records Of Howard County, Maryland.

**ROBERT WARFIELD PROPERTY**

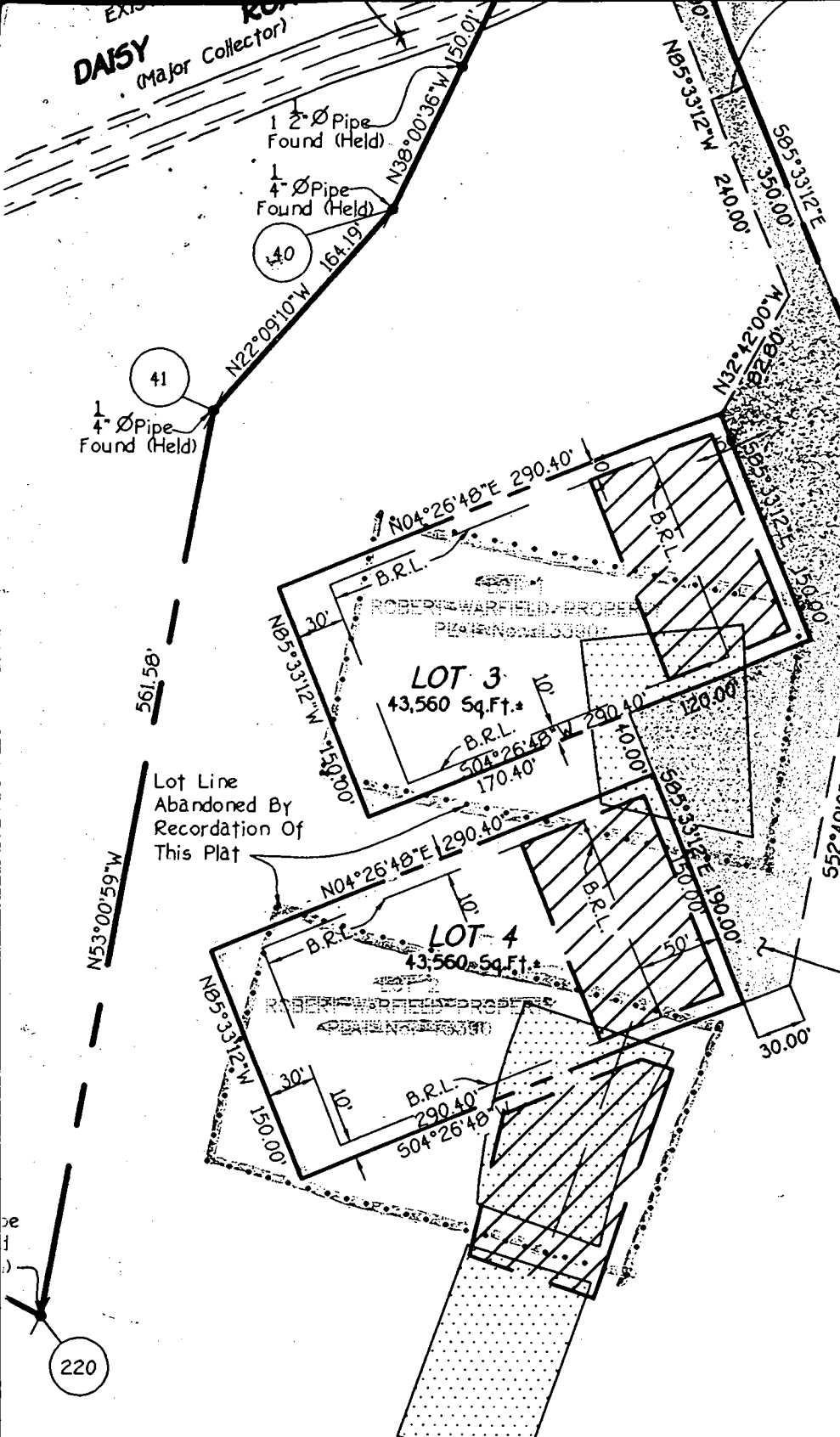
LOTS 1 AND 2 *Final lot check pd*  
ZONED: RC-DEO *see F-99-153*

TAX MAP No. 14 GRID #7 PART OF PARCEL No. 7  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

0' 100' 150' 200'  
Scale: 1" = 100'

DATE: OCTOBER 1, 1998  
SHEET 1 OF 1  
F99-06

F-99-06



Subdivision And Land Development Regulations Allows A Single Use-In-Common Driveway For Both Lots And The Property Residue

PROPERTY OF  
LOUISE STUMP AND THE ESTATE OF  
FRANCES W. MCKINNEY  
LIBER No. 2038, FOLIO 45

N 595.750  
N 181.584.9632  
(METERS)  
E 1,295.000  
E 394.716.7895  
(METERS)

PROPERTY OF  
ROBERT M. WARFIELD  
LIBER No. 2038, FOLIO 1

Private Use-In-Common Access Easement Across The Residue Property For The Use And Benefit Of Lots 3, 4 And The Residue Property. Maintenance Agreement Recorded Among The Land Records Of Howard County, Maryland

RESIDUE  
PROPERTY OF  
JAMES L. PHELPS AND  
CORA S. PHELPS  
LIBER No. 4443, FOLIO 356  
(MAP: B, PARCEL: 7 OF THE  
HOWARD COUNTY LAND PRESERVATION  
EASEMENT #H036-02E)

F-99-153

**DEVELOPER**

Mr. James Phelps  
c/o Regional Underwriters Service Company  
P.O. Box 2050

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1595  
 Location of property (road) Daisy Road  
 Subdivision Wanfield Prop Lot 1 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller Joseph Mayne Owner Phelps, James

Depth of well 380'  
 Distance of measuring point (M.P.) above ground 1'  
 Static water level (S.W.L.) below M.P. 40'

I. High rate pumping -- reservoir drawdown

Time pump started 6:30 Pumping rate 200 gpm.  
 Total time 5 min. to reach pumping water level 330 ft below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5/1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:45	133	3 sec.	N/A	300 gpm.
7:00	219	3		200
7:15	330	4		15
7:30	328	22		2.7
7:45	326	22		2.7
8:00	326	22		2.7
8:15	326	22		2.7
8:30	326	22		2.7
8:45	325	22		2.7
9:00	325	22		2.7
9:15	325	22		2.7
9:30	325	22		2.7
9:45	325	22		2.7
10:00	325	22		2.7
10:15	325	22		2.7
10:30	325	22		2.7
10:45	325	22		2.7
11:00	325	22		2.7
11:15	325	22		2.7
11:30	325	22		2.7
11:45	325	22		2.7
12:00	325	22		2.7
12:15	325	22		2.7
12:30	325	22		2.7

HD-224 12:45 325 22 2.7  
 1:00 325 22 2.7  
 1:15 325 22 2.7

B 1	<b>6789</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HO - 94 - 1595</b> <small>70 fill in this form completely 79</small>
-----	-------------	--------------------------------	---	---

**OWNER INFORMATION**

Date Received (APA) \* 06/17/98  
8. MM DD YY 13

Phillip L. James  
15 Last Name Owner First Name 34

3440 Ellicott Center Drive Suite 105  
36 Street or RFD 55

Ellicott City Md. 21043  
57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

Howard  
8 COUNTY 21

Warfield Property  
23 SUBDIVISION 42

SECTION      LOT 1  
44 46 48 50

Lisbon  
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 5 M I J  
73 76 77 78

**DRILLER INFORMATION**

Joseph L. Mayne MSD 24  
Driller's Name 76 License No. 81

Joseph L. Mayne Well Drilling  
Firm Name

5512 Ridge Rd. Mt Airy Md. 21771  
Address

Joseph L. Mayne 6/16/98  
Signature Date

**DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

Dairy Rd.  
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 SOUTH  
 EAST

34 460 37  
DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39

TAX MAP: 14 BLK:      PARCEL     

**WELL INFORMATION**

5  
APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

500  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

**NOT TO BE FILLED IN BY DRILLER: HEALTH DEPARTMENT APPROVAL**

Howard CO A 510138 A  
COUNTY NAME COUNTY NO.

STATE SIGNATURE      INSERT S → 41

DATE ISSUED 6/17/98 A M. Miller 6/17/99  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 535 000 EAST GRID 782 000  
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVerse-ROTary DRive-POINT

other     

**REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)**

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41      52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROP. PERMIT NUMBER      GAP       
54 63

PERMIT No HO-94-1595  
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- WELL
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7802

N 5305

000  
000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

Lisbon

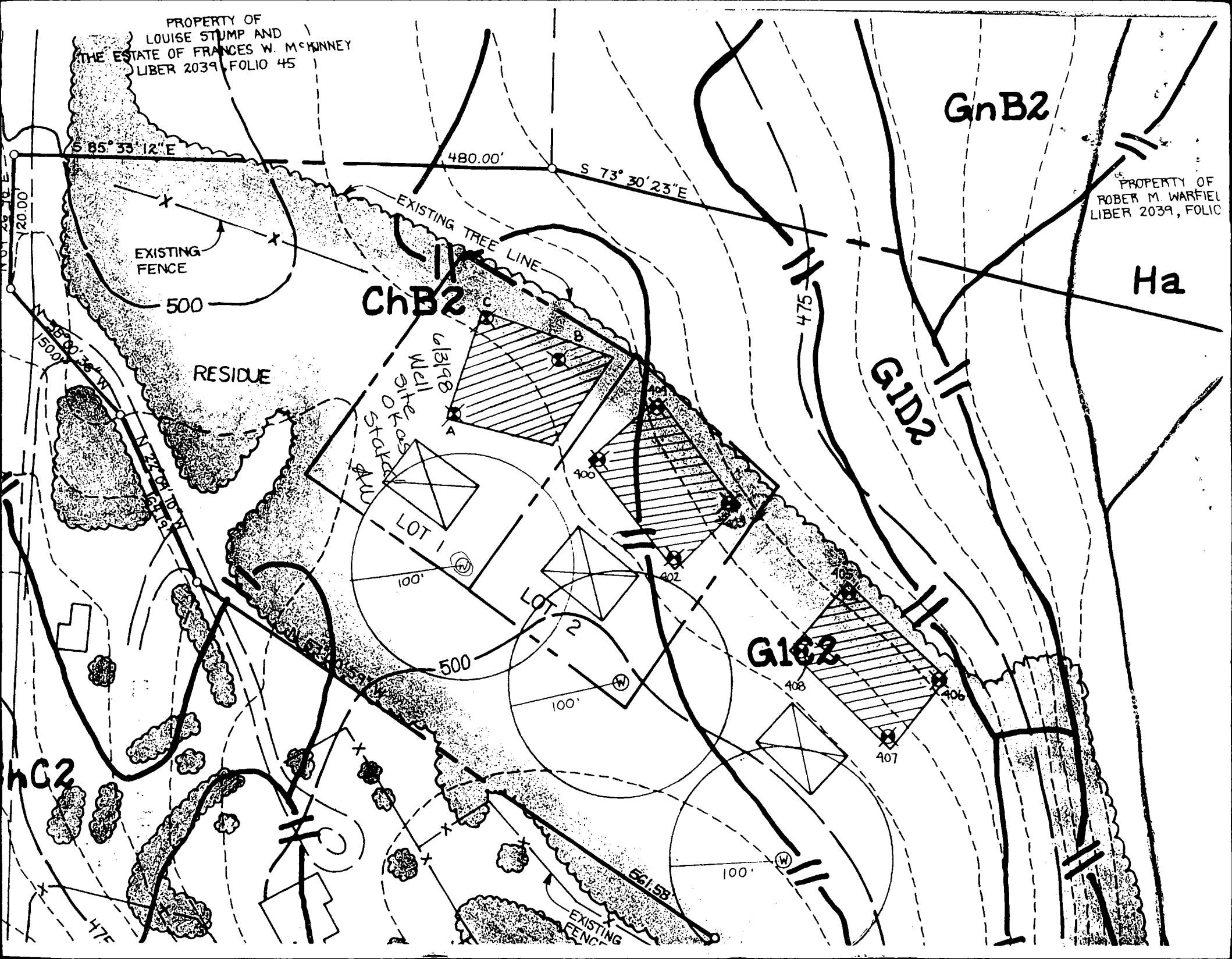
A E Mullins Rd

Dairy Rd

Well

PROPERTY OF  
LOUISE STUMP AND  
THE ESTATE OF FRANCES W. MCKINNEY  
LIBER 2039, FOLIO 45

PROPERTY OF  
ROBER M. WARFIELD  
LIBER 2039, FOLIO



S 85° 33' 12" E

480.00'

S 73° 30' 23" E

EXISTING FENCE

500

EXISTING TREE LINE

ChB2

RESIDUE

Well sites  
O STAKES  
AND

LOT 1

100'

LOT 2

100'

500

G102

408

407

100'

561.58'

EXISTING FENCE

GnB2

Ha

G1D2

475'

hC2

475'

20.00'

1500'

N 22° 30' 10" E  
1500'

N 69° 30' 10" E  
1500'