

10/10/00
11:00 P/c const.
10/10/00
in progress
02: 317524

PERMIT

SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 513692
A 58471
ISSUE DATE 7/19/00
APPROVAL DATE 11/29/00

INDEXED

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL X ALTER

ADDRESS 3 North Main Street, Mt. Airy, MD 21771 PHONE 301-829-0444

SUBDIVISION The Woods At Rover Mill LOT NUMBER A ADDRESS 13774 Old Rover Road

PROPERTY OWNER Patrick Costello PROPERTY OWNER'S ADDRESS 3230 Bethany Lane, Ste 1

SEPTIC TANK CAPACITY 1250 GALLONS Ellicott City, MD 21042

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240 100

TRENCHES: Trenches to be 2 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Beginning from the intersection of the 163.97' and 310.62' lot lines, begin trenches 25 feet up the 163.97' lot line and 65 feet off that same lot line. Run trenches on contour toward the 163.97' lot line.

KEEP TRENCHES 9'ETE (12'CTC) IF CONTOUR ALLOWS

PLANS APPROVED Amy McMillen OK SR4 7/19/00 DATE 6/27/2000

PERMIT VOID AFTER 2 YEARS

- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED
- NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED
- NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES
- NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

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

P513692

APPLICATION

PERCOLATION TESTING

A 572735

P _____

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

PREVIEW OK
PROPOSAL IS FOR
INTERNAL ADJUSTMENT
TO SEPTIC AREA
(UP TO EDGE OF FOREST COP.)
TO ENHANCE HOUSE SITE.

DISTRICT _____

DATE 9-28-99

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

(CW)

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

PROPERTY OWNER Douglas & Germaine LeFrudge

ADDRESS 5183 Columbia Rd PHONE 301-596-5623

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

The Woods @ SUBDIVISION Roller Mill II LOT NO. PAR A-

ROAD AND DESCRIPTION Roller Mill Rd

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ 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.

[Signature]

(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

10/4/99
1130

COUNTY #

SOIL PROFILE

A, B

orange
brown silty

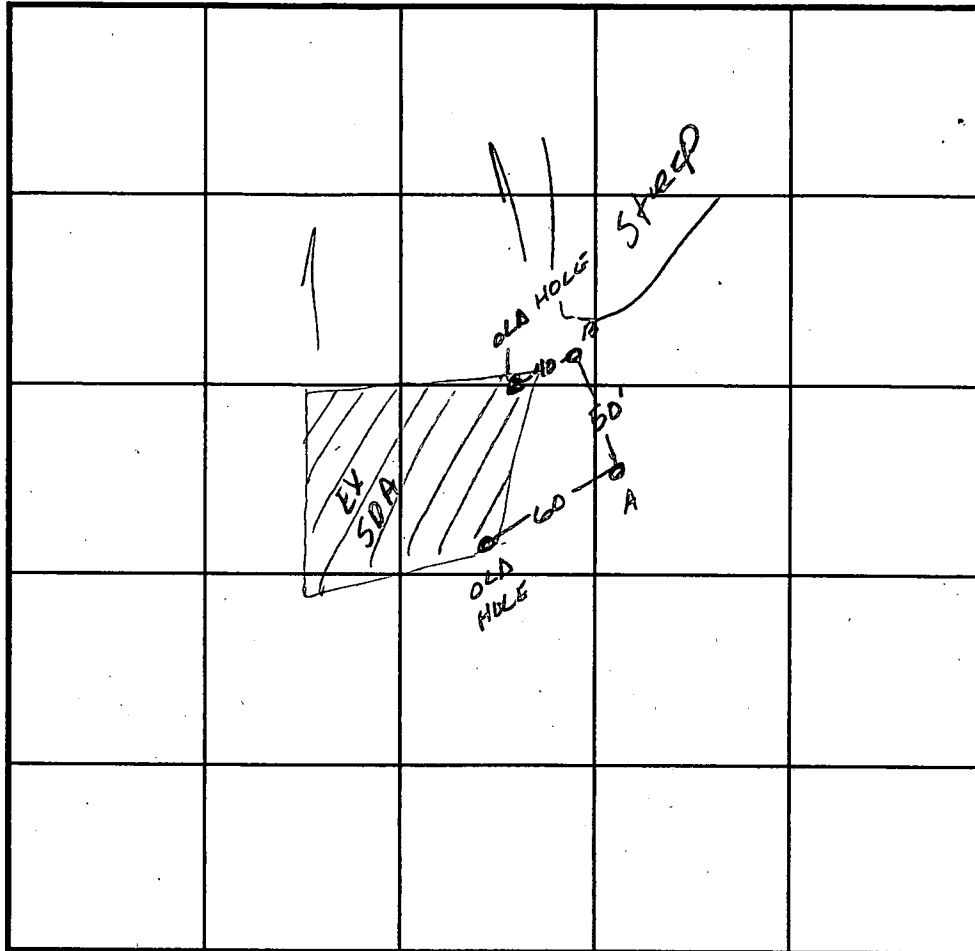
2.0

light
tan
silty
<5%
R_x



12.0

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. ROVER MILL ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-4-99	A	Visual to 12.0	- see profile -		OK		
	B	Visual to 12.0	- see profile -		OK		

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT B. Leftridge

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 min TRENCH WIDTH 3.0

INLET DEPTH 2.0 MAXIMUM BOTTOM DEPTH 4.0 SQ. FT./BEDROOM 180 sq

APPLICATION

PERCOLATION TESTING

A 58471

P _____

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

DISTRICT 4

DATE 5/19/97

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 IRWIN CHATLIN AND GERALDINE BLAZEK

ADDRESS 221 WASHINGTON STREET 21613 PHONE (410) 228-4446

PROSPECTIVE BUYER CFCC PARTNERSHIP

ADDRESS P.O. Box 1371 ELLICOTT CITY, MD. 21041 PHONE (410) 442-5613

PROPERTY LOCATION: 12-15-98
SUBDIVISION CHATLIN PROPERTY changed to Sec II Per Parcel "A" (RM)
LOT NO. ~~PRESERVATION PARCEL 18'~~

ROAD AND DESCRIPTION 5/5 ROVER MILL ROAD 900' WEST OF PFEFFERKORN ROAD

TAX MAP 15 PARCEL # 180 + 181

SIZE OF LOT 171,309 SQ. FT. ± TYPE BLDG SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

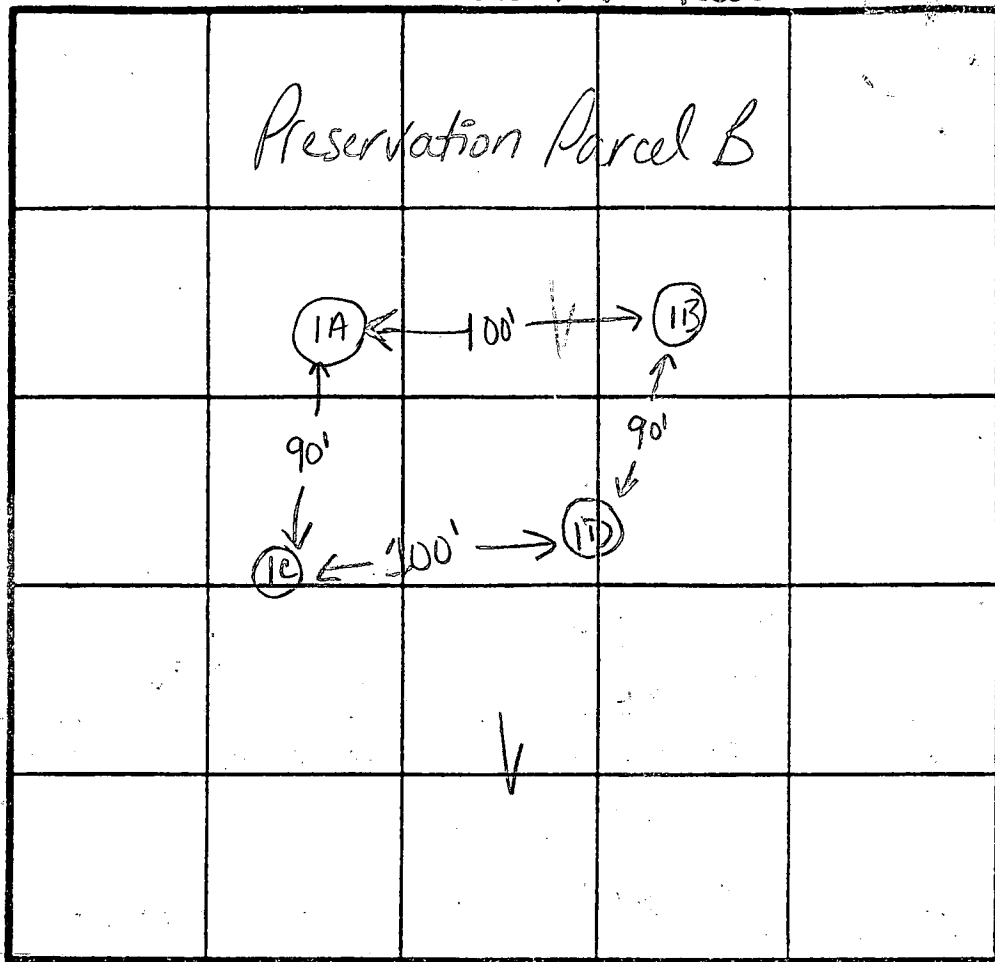
REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

Old Rover Road

Preservation Parcel B



(1D)
 or/red
 br clay
 loam 4.0'
 or/tan
 Silty
 loam
 20-25%
 shale
 frags 12.0'

Rover Mill Rd.

SOIL PROFILE (1A)

4.0' red/or/br clay lm
 8.0' or/tan silty lm
 10-15% shale fragments
 10.0' rock outcrop
 12.0' silty lm

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(1B)
 or/red clay lm 3.5'
 tan/or silty loam 8.0'
 rock outcrop 25-30% shale frags 12.0'

(1C)
 red/or/br clay lm 3.0'
 tan/or silty loam 10-15% shale 12.0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-10-97	1A	4.5'S	10:19	10:20	10:20	10:23	3min
		8.0'S	10:17	10:20	10:20	10:24	4min
		12.0'D	visual ck-see profile				
	1B	2.5'S	10:39	10:41	10:41	10:45 ₃₀	4 1/2 min
		12.0'D	visual ck-see profile				
	1C	5.0'S	10:28 ₄₅	10:28 ₄₅	10:28 ₄₅	10:30	fast
		12.0'D	visual ck-see profile				
		(repour)	10:31	10:33	10:33	10:35	2min
	1D	5.5'S	10:49 ₃₀	10:51	10:51	10:55 ₃₀	4 1/2 min
		12.0'D	visual ck-see profile				

REMARKS test holes not staked

TYPE OF SOIL

TESTED BY

Kim Maiste / Amy McMillan

ALSO PRESENT

Ron Carter / Alan Ketterman

October 27, 2000

Mr. Patrick Costello
3230 Bethany Lane, Suite #1
Ellicott City, Maryland 21042

RE: **Septic system installation approval**
The Woods at Rover Mill, Parcel 'A'
13774 Old Rover Road
Building permit B00124508

Dear Mr. Costello:

The septic system for the above referenced property was recently installed by Van Sant Plumbing and Heating in accordance with current Health Department standards. However, this office has significant concerns regarding the integrity of the septic reserve area due to site conditions and grading different than presented on the approved building permit site plan.

At the time of septic system installation, we observed the presence of steep slopes, uprooted trees and rubble left in the designated repair area and the potential for placement of excessive fill material over the installed system. These site conditions collectively raise concern for reasonable access for routine maintenance of the existing septic system as well as installation of future replacement systems when necessary.

It is requested that the uprooted trees and rubble located within the boundaries of the septic reserve area be removed and that the rough grading of the lot be completed. Please contact this office at (410) 313-2640 upon completion of these tasks so that we may conduct a site inspection to assess the integrity of the septic reserve area at that time.

Final approval of the septic system installation, necessary for Health Department recommendation for a Use and Occupancy permit for the above referenced property, is contingent upon successful resolution of these concerns.

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

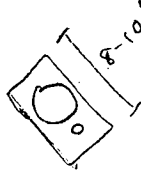
Sincerely,



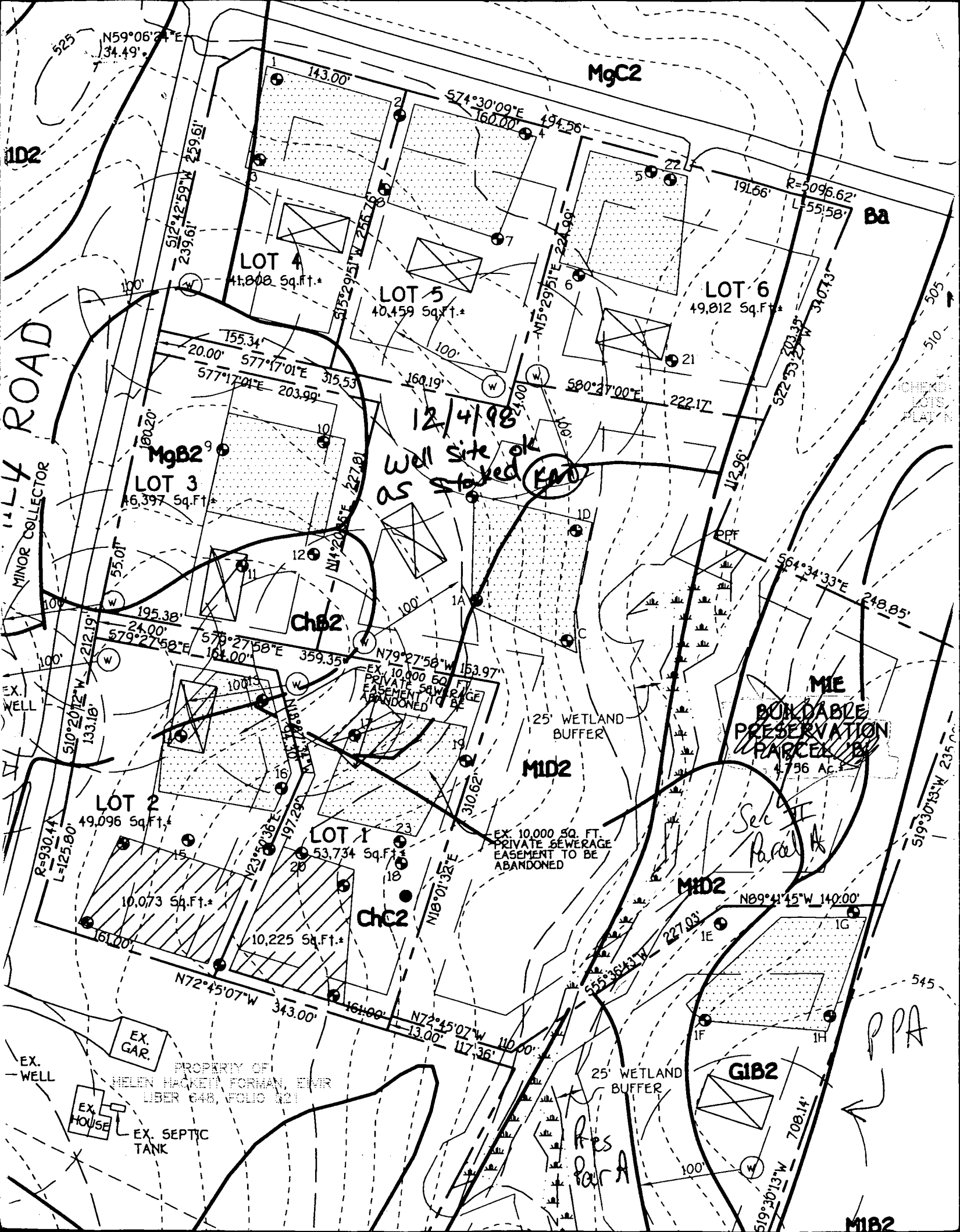
Donna K. Clark, R.S.
Water and Sewerage Program

DKC

Cc: file



*Concerns resolved -
Site inspection
conducted
11/29/00 DKC*



141LY ROAD
MINOR COLLECTOR

MgC2

Ba

LOT 4
41,800 Sq.Ft.*

LOT 5
40,459 Sq.Ft.*

LOT 6
49,812 Sq.Ft.*

MgB2
LOT 3
46,397 Sq.Ft.*

12/4/98
Well site ok
AS STATED ON PLAN

ChC2

MIE
NON-DABLE
PRESERVATION
PARCEL B

MID2

Sec II
Parcel A

ChC2

MID2

GIB2

PPA

Res
Par A

MIB2

N59°06'21"E
34.49'

143.00'

574°30'09"E
160.00'

191.66' R=5096.62'
L=551.58'

S12°42'59"W 259.61'
239.61'

S15°29'51"W 256.78'

M15°29'51"E 224.96'

S12°53'50"W 310.73'

155.34'
20.00' 577°17'01"E 315.53'
577°17'01"E 203.99'

160.19' 580°27'00"E 222.17'

195.38'
24.00' 579°27'52"E 164.00'
579°27'52"E 164.00'

N79°27'58"W 153.97'
EX. 10,000 SQ. FT. PRIVATE SEWERAGE EASEMENT TO BE ABANDONED

25' WETLAND BUFFER

EX. 10,000 SQ. FT. PRIVATE SEWERAGE EASEMENT TO BE ABANDONED

R=930.44
L=125.80'
LOT 2
49,096 Sq.Ft.*

LOT 1
53,734 Sq.Ft.*

10,073 Sq.Ft.*

10,225 Sq.Ft.*

N72°45'07"W 343.00'

N72°45'07"W 110.00'
13.00' 117.36'

N89°41'45"W 140.00'

EX. WELL
EX. GAR.
EX. HOUSE
EX. SEPTIC TANK

PROPERTY OF HELEN HACKETT FORMAN, EWR LIBER 648, FOLIO 121

25' WETLAND BUFFER

708.14'

519°30'13"W

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Van Sant Plbg + Htz Telephone #: 301-829-0444
Address: 3 W Main St.
Mt. Airy, MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
Name (Print): Hanford A. Van Sant License# 1467

***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: Pat Costello Telephone #: 410-977-2276
Subdivision: Woods At River Mill Lot #: Parcel A Well Tag #: HO-94-2009
Site Address: 13774 Old River Rd
West Friendship MD 21794

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Gaids</u>	Make: <u>Dampbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>7G S05422</u>	Model#: <u>B10X</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: _____ GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: _____ GPM	NSF approved: <u>yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>190</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt NO

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>200 PSI</u>	PVC sleeved to undisturbed soil at wall penetration: <u>IS</u>
PSI: _____ (160 psi min)	Approximate length of sleeve: <u>15</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

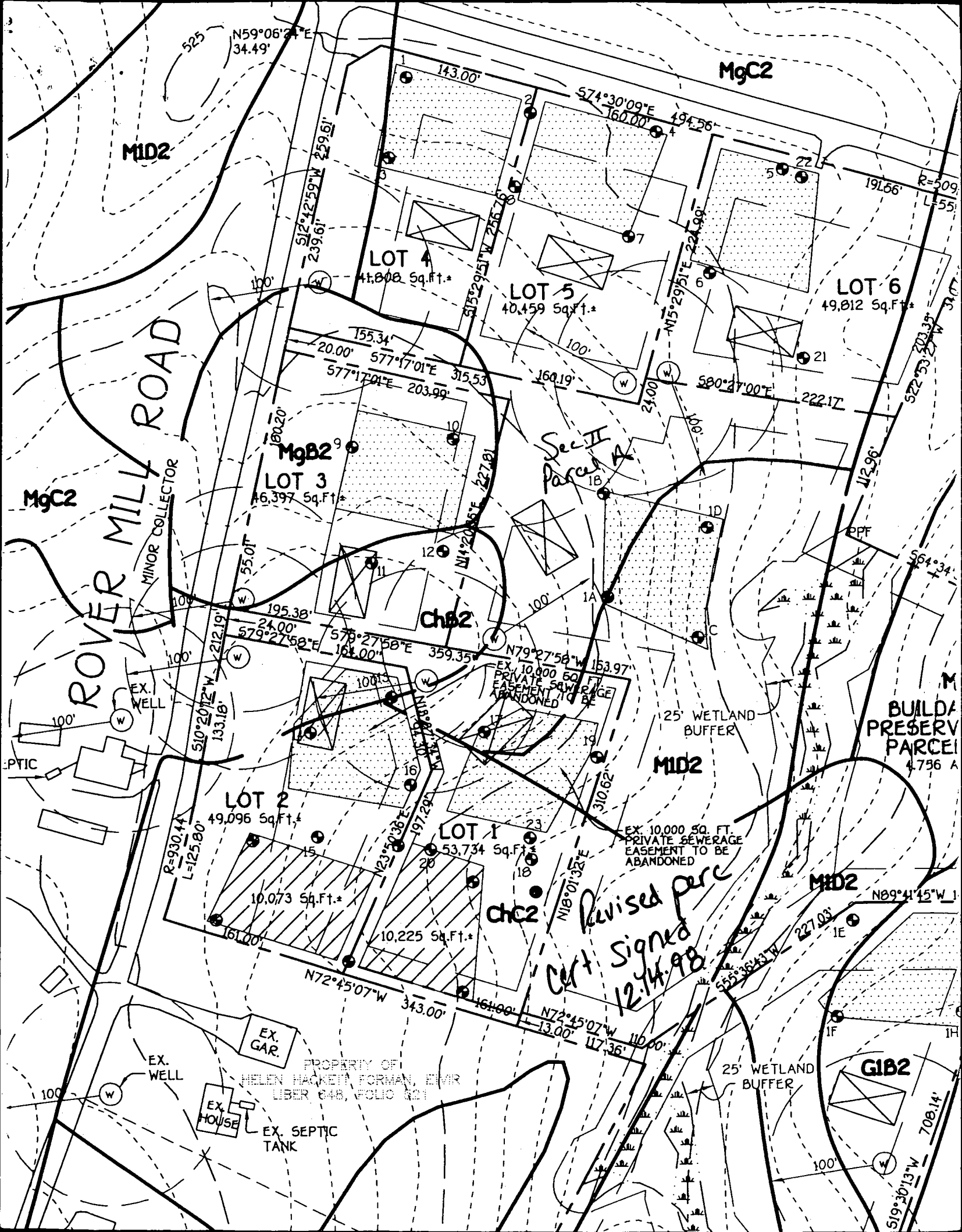
Signature of company representative responsible for installation: Hanford A. Van Sant date: 11/3/00

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 9/22/00 Date Insp. Approved: 9/22/00 OK (DKS) SRM

Inspection Data:

- Pitless adapter and water supply line at least 36" below grade
- Two piece cap installed and attached to casing securely
- Elec. conduit extends at least 18" below grade/attached to cap properly
- Safety rope installed inside of well casing
- Correct well tag attached properly and casing 8" above finished grade
- Water supply line sleeved adequately at house connection
- Adequate grout observed below pitless adapter



MID2

MgC2

LOT 4
41,800 Sq.Ft.*

LOT 5
40,459 Sq.Ft.*

LOT 6
49,812 Sq.Ft.*

MgB2
LOT 3
46,397 Sq.Ft.*

Sec II
Parcel A

chB2

LOT 2
49,096 Sq.Ft.*

LOT 1
53,734 Sq.Ft.*

chC2

Revised perc
Cert Signed
12.14.98

MID2

BUILD
PRESERV
PARCEL
4756 A

GIB2

PROPERTY OF
HELEN MACKEY FORMAN, EWR
LIBER 648, FOLIO 621

ROVER MILL ROAD

MINOR COLLECTOR

25' WETLAND
BUFFER

25' WETLAND
BUFFER

EX. WELL

PTIC

EX. WELL

EX. GAR.

EX. HOUSE

EX. SEPTIC
TANK

EX. 10,000 SQ. FT.
PRIVATE SEWERAGE
EASEMENT TO BE
ABANDONED

EX. 10,000 SQ. FT.
PRIVATE SEWERAGE
EASEMENT TO BE
ABANDONED

N59°06'27"E
34.49'

143.00'

574°30'09"E
160.00'

494.56'

191.66'

R=509
L=55'

512°42'59"W
259.61'

239.61'

515°29'51"W
236.78'

224.99'

M15°29'51"E
224.99'

522°53'27"W
31.07'

155.34'

20.00'

577°17'01"E
315.53'

577°17'01"E
203.99'

160.19'

23.00'

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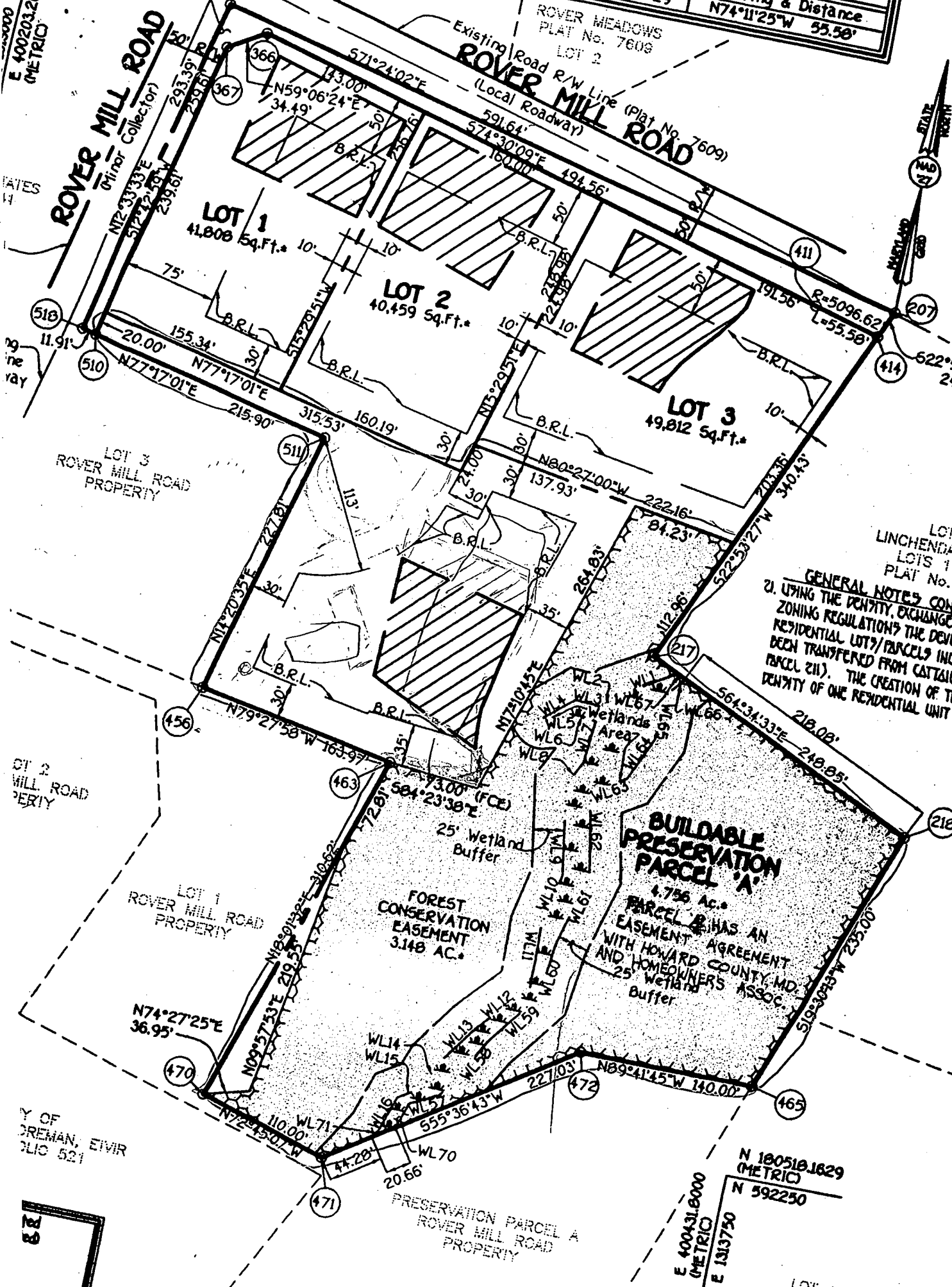
100'

1

E 400203.2045 (METRIC)

0.302 Ac.

Bearing & Distance
N74°11'25"W 55.50'



ROVER MEADOWS
PLAT No. 7609
LOT 2
Existing Road R/W Line (Plat No. 7609)
ROVER MILL ROAD
(Local Roadway)

LOT 1
41,808 Sq.Ft.*

LOT 2
40,459 Sq.Ft.*

LOT 3
49,812 Sq.Ft.*

LOT
LINCHENDAL
LOTS 1
PLAT No. 1

GENERAL NOTES CONT.
2. USING THE DENSITY EXCHANGE OR ZONING REGULATIONS THE DEVELOPMENT OF RESIDENTIAL LOTS/PARCELS INCLUDING PARCEL A AND PARCEL B HAS BEEN TRANSFERRED FROM CATTAIL (PARCEL 211). THE CREATION OF THE DENSITY OF ONE RESIDENTIAL UNIT PER

BUILDABLE PRESERVATION PARCEL 'A'
4.756 AC.*

FOREST CONSERVATION EASEMENT
3.148 AC.*

PARCEL B HAS AN EASEMENT AGREEMENT WITH HOWARD COUNTY, MD. AND HOMEOWNERS ASSOC. 25' Wetland Buffer

PRESERVATION PARCEL A
ROVER MILL ROAD
PROPERTY

N 180518J1629 (METRIC)
N 592250
E 400431.6000 (METRIC)
E 1313750

LOT 1
LINCHENDAL

OWNER

89
98

C1 9381

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A58471

ST/CO USE ONLY DATE RECEIVED 12-31-98

DATE WELL COMPLETED 12-28-98

Depth of Well 140 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2009

OWNER Carter, Rover Mill Rd, West Friendship, The Woods at Rover Mill

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Sand (0-96), Gray Mica Rock (96-140).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS (30), NO. OF POUNDS (2820), DEPTH OF GROUT SEAL (0-85 ft).

CASING RECORD

MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (100)

OTHER CASING (if used) diameter, depth

SCREEN RECORD

screen type or open hole (ST), BRONZE (PL), OTHER (OT)

C2 DEPTH (nearest ft.)

Table with columns: 1-21, 23-26, 30-32, 38-41, 45-47, 51. Values: 98, 140

DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60

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 O

C3

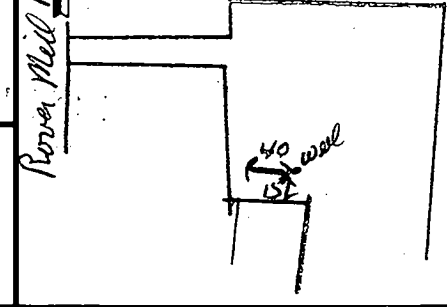
PUMPING TEST

HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 15, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 49, WHEN PUMPING 77, TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES NO), 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 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

- 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 MSD024, DRILLERS SIGNATURE Joseph E. Maupel

LIC. NO. 1 MSD027, DRILLERS SIGNATURE Jerry Maupel

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

B 1 **0353** SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
H0-94-2009
fill in this form completely

Date Received (APA) **12-9-98**
OWNER INFORMATION
8 MM DD YY 13
15 Last Name **Carter** Owner First Name **Ron** 34
36 Street or RFD **1750 Daisy Rd.** 55
57 Town **Woodbine** 70 State **MD.** 72 Zip **21797** 76

B 3 LOCATION OF WELL
8 COUNTY **Howard** 21
23 SUBDIVISION **The Woods at Rove Mill** 42
SECTION **II** 44 46 LOT **Sec II Parcel A** 48 50
52 NEAREST TOWN **West Friendship** 71
MILES FROM TOWN (enter 0 if in town) **4** M 73 76 77 78

DRILLER INFORMATION
Driller's Name **Joseph T. Maize** M **SD024** License No. 76 - 81
Firm Name **Joseph T. Maize Well Drilling**
Address **5512 Ridge Rd. Mt. Airy 21771**
Signature **Joseph T. Maize** Date **12/8/98**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NEAR WHAT ROAD **Rove Mill Rd.** 11 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 **200** 37 DISTANCE FROM ROAD
ENTER FT OR MI. 38 39
TAX MAP: **15** BLK: **13** PARCEL **108**

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) **5** 8
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500** 12 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

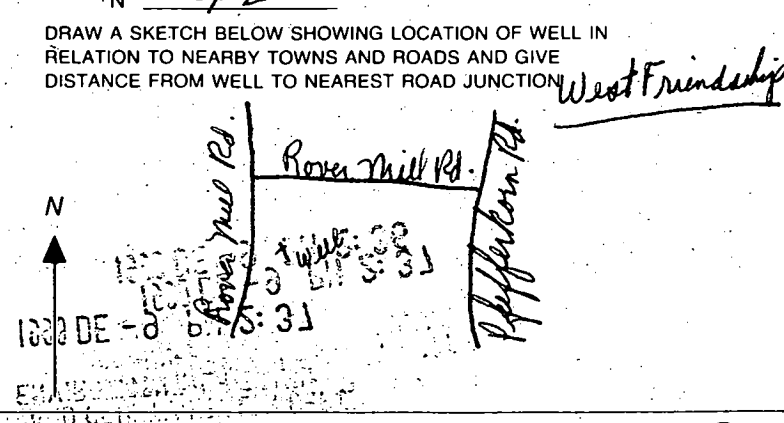
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME COUNTY NO. **A58471**
STATE SIGNATURE _____ INSERT S →
DATE ISSUED **12/15/98** Kim Maisto 12/15/99 41
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID **522 000** EAST GRID **801 000**
50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET 24 28
APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. **Well**
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E **8001**
N **5302**

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 54 _____ 63
PERMIT No. **H0-94-2009**
70 71 72 73 74 75 76 77 78 79

Building Address 13774 Old Raven Run
West Friendship, MD 21794

Suite/Apt. #: _____ SDP/NP/Petition #: _____

Census Tract 6030 Subdivision The Woods @ Rowl Mill II

Section _____ Area _____ Lot _____

Tax Map 15 Parcel 181 Grid 19

Zoning RD200 Map Coordinates 96511 Lot size _____

Property Owner's Name Patrick Costello

Address 3230 Bethany Lane Ste #1

City Ellicott City State MD Zip Code 21042

Home Phone _____ Work Phone 410-203-9980

Applicant's Name & Mailing Address, (if other than stated hereon): _____

Phone _____ Fax _____

Existing Use SFO

Proposed Use SFO w/ Tank

Estimated Construction Cost \$ 1,000.00

Description of Work Install 500 Gallon
UNDERGROUND PROPANE TANK
000104508

Contractor Company OWNER

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

License No. _____

Phone _____ Fax _____

Occupant or Tenant OWNER

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Engineer or Architect Company _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL		BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics	Utilities	Building Characteristics	Utilities
Height: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private	SF Dwelling <input type="checkbox"/> SF Townhouse <input type="checkbox"/> Depth: _____ Width: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private	1st floor: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>	2nd floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>	Basement: _____	Heating System: <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> <input type="checkbox"/> Natural Gas <input type="checkbox"/> <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame	Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____	Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms: _____	Sprinkler system: N/A <input type="checkbox"/> NFPA #13D _____ NFPA #13R _____ Other: _____
<input type="checkbox"/> State Certified Modular		Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____	<input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THE PREMISES FOR THE PURPOSES OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Patrick Costello
 Applicant's Signature

Patrick Costello
 Print Name

10/24/00
 Date

 Title/Company

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
**** PLEASE WRITE NEATLY AND LEGIBLY ****
- FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
<input checked="" type="checkbox"/> Land Development DPZ			Front: _____	46443
<input checked="" type="checkbox"/> State Highways			Rear: _____	Filing fee \$ <u>100</u>
<input checked="" type="checkbox"/> Building Official			Side: _____	Permit fee \$ _____
<input checked="" type="checkbox"/> Dev. Engineering DPZ	<u>11/15/00</u>	<u>McRiffin</u>	Side St: _____	Excise tax \$ _____
<input checked="" type="checkbox"/> Health			All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
<input checked="" type="checkbox"/> Fire Protection			Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Add'l permit fee \$ _____
Is Sediment Control approval required prior to issuance? YES <input type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ <u>100</u>
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Lot Coverage for NewTown Zone _____	Balance due \$ _____
ONE STOP SHOP: <input type="checkbox"/>			SDP/Red-line approval date _____	Check cash # _____
			Accepted by <u>[Signature]</u>	Validation # <u>29276</u>

LOT 2

N80°27'00"W 222.16'

84.23'

N15°29'51"E
24.00'

30' B.R.L.

30' B.R.L.
30' B.R.L.

35' B.R.L.

113' B.R.L.
116°

EXISTING SEWERAGE
EASEMENT TO BE
ABANDONED

500 GALLON
PERCHLORATE TANK

SEE DETAIL



OWNER
COMMITTS TO
MOVE TANK
20' FROM
APPROVED
SEPTIC AREA

MR. [Signature]
11/15/00

N14°20'35"E 227.81'

33°

30' B.R.L.

54°

30' B.R.L.

35' B.R.L.

264.83'
N17°10'45"E

N79°27'58"W 163.97'

73.00' (FCE)
S84°23'38"E

72.81'

25'
Wetland
Buffer

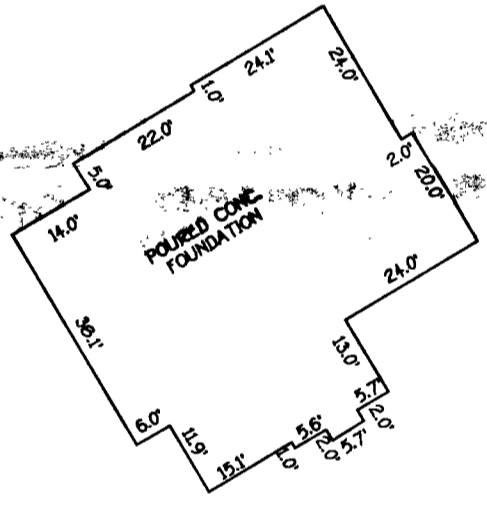
FOREST
CONSERVATION
EASEMENT

2 SPELS :
... X 5' X 4' 10"
D

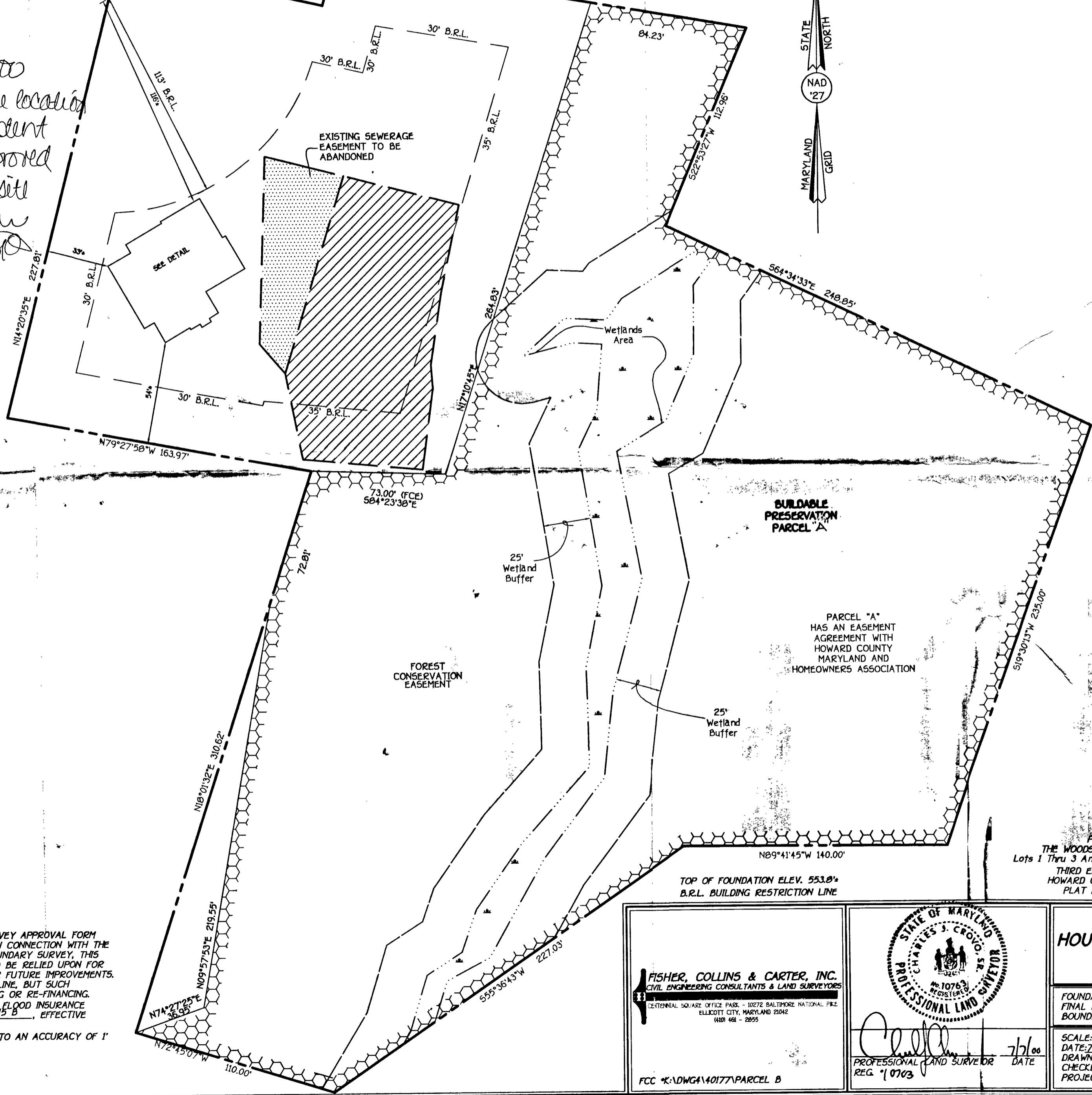
ROVER MILL ROAD
(150' R/W)

LOT 2
 512°42'59"W 20.00' N77°17'01"E 315.53'
 N77°17'01"E 215.90'
 N15°29'51"E 24.00'
 LOT 3
 N80°27'00"W 222.16'

7/19/00
 House location
 consistent
 w/ approved
 ZP site
 flow
 DO



DETAIL 1-30'



NEW PRIVATE SEWERAGE EASEMENT APPROVED BY HOWARD COUNTY HEALTH OFFICER ON JUNE 29, 2000 FILE A512735

GENERAL NOTES:

- THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24004 0013 B, EFFECTIVE DATE: DEC. 4, 1986
- THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).
- NO TITLE REPORT FURNISHED, SUBJECT TO ALL EASEMENTS AND CONDITIONS OF RECORD.

BULDABLE PRESERVATION PARCEL A

PARCEL "A" HAS AN EASEMENT AGREEMENT WITH HOWARD COUNTY MARYLAND AND HOMEOWNERS ASSOCIATION

PARCEL A
 THE WOODS AT ROVER MILE II
 Lots 1 Thru 3 And Preservation Parcel A
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PLAT REF. 13349

TOP OF FOUNDATION ELEV. 553.8'
 B.R.L. BUILDING RESTRICTION LINE

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PKY.
 ELLEDDI CITY, MARYLAND 21042
 (410) 464 - 2955

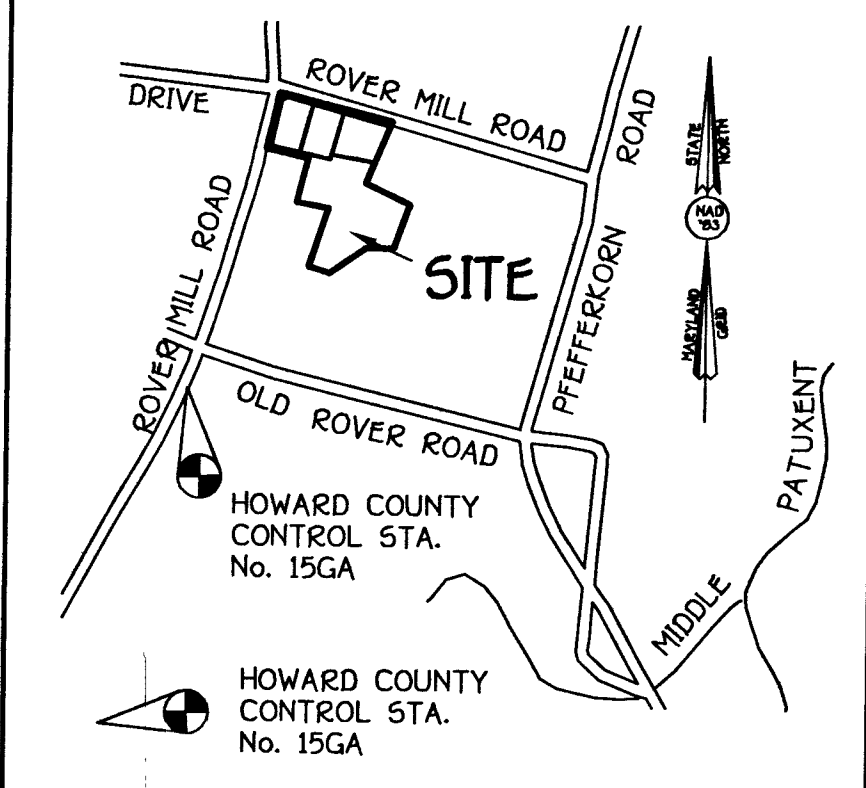
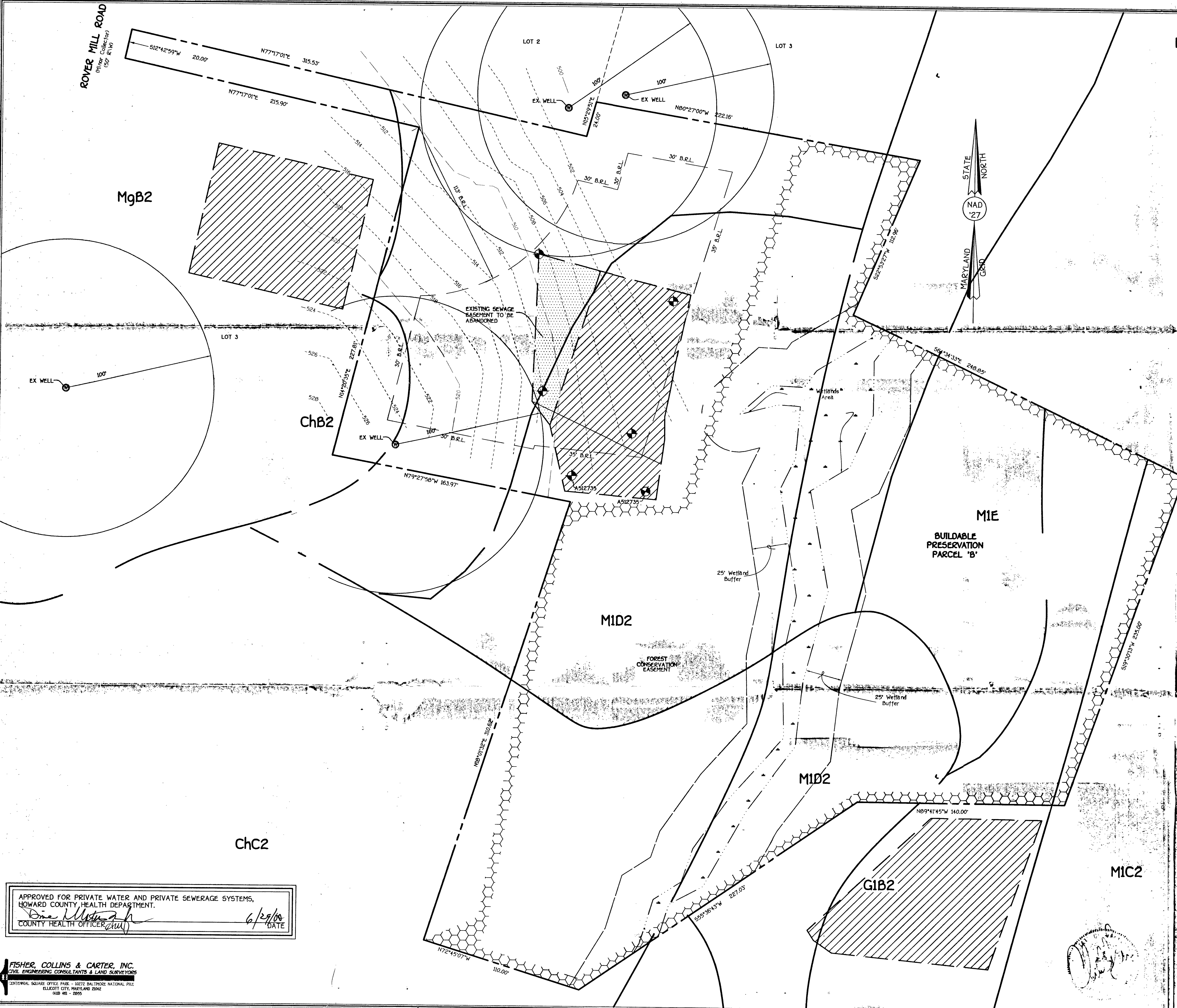
FCC *ADWGA140177*PARCEL B

7/1/00
 PROFESSIONAL LAND SURVEYOR DATE
 REG. #10703

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: ZZZ00
 FINAL LOCATION:
 BOUNDARY SURVEY:

SCALE: 1"=40'
 DATE: 7/10/00
 DRAWN BY: T.E.E.
 CHECKED BY: C.C.
 PROJECT No: 61544



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

1. [Hatched Area] 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. [Dotted Area] THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT TO BE ABANDONED.
3. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. TO THE LOCATION SHOWN HEREON.
5. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
6. [Circle with dot] DENOTES WELL LOCATION.
7. [Circle with cross] DENOTES PERC HOLE LOCATION.
8. OWNER & DEVELOPER:

PAT COSTELLO
*3230 BETHANY LANE SUITE 1
ELLICOTT CITY, MARYLAND, 21042

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.
Pat Costello
COUNTY HEALTH OFFICER
6/25/00
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
410P 401 - 2000

Approved 6/29/00
PERC CERTIFICATION PLAT
PARCEL 'B'
THE WOODS AT ROVER MILL II
Lots 1 Thru 3 And Preservation Parcel A
TAX MAP No. 15, PARCEL: 101 GRID 19 ZONED RR-DEO
3RD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1"=30' DATE: JUNE 27, 2000
SHEET 1 OF 1
PLAT # 13349