

9/12/02 9:30 WALL CHECK
 9/13/02 12:00
 9/20/02 11 AM
 10/16/02 10 AM
 PAYMENT IN OFF THIS DAY

ISSUE DATE: 9/12/2002

PERMIT
INDEXED

P 517912

APPROVAL DATE: 10/15/02

A 513348

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

05-373522

Dave Tolley Enterprises IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: 301-748-7225

SUBDIVISION: Zipf Property LOT NUMBER: _____

ADDRESS: 14091 Howard Road PROPERTY OWNER: David Zipf

SEPTIC TANK CAPACITY (GALLONS): 1250

PUMP CHAMBER CAPACITY (GALLONS): N/A

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 210

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3.0 feet below original grade. 1.5 feet of stone below distribution pipe.
LOCATION:	From the end of the pipestem access, place the distribution box 295 feet down the front (450') lot line and 100 feet off that lot line. Run trenches in both directions.
NOTES:	<u>May Require Pumped System</u>

PLANS APPROVED: Amy McMillen 5/31/01 OK BB DATE: 5/24/01

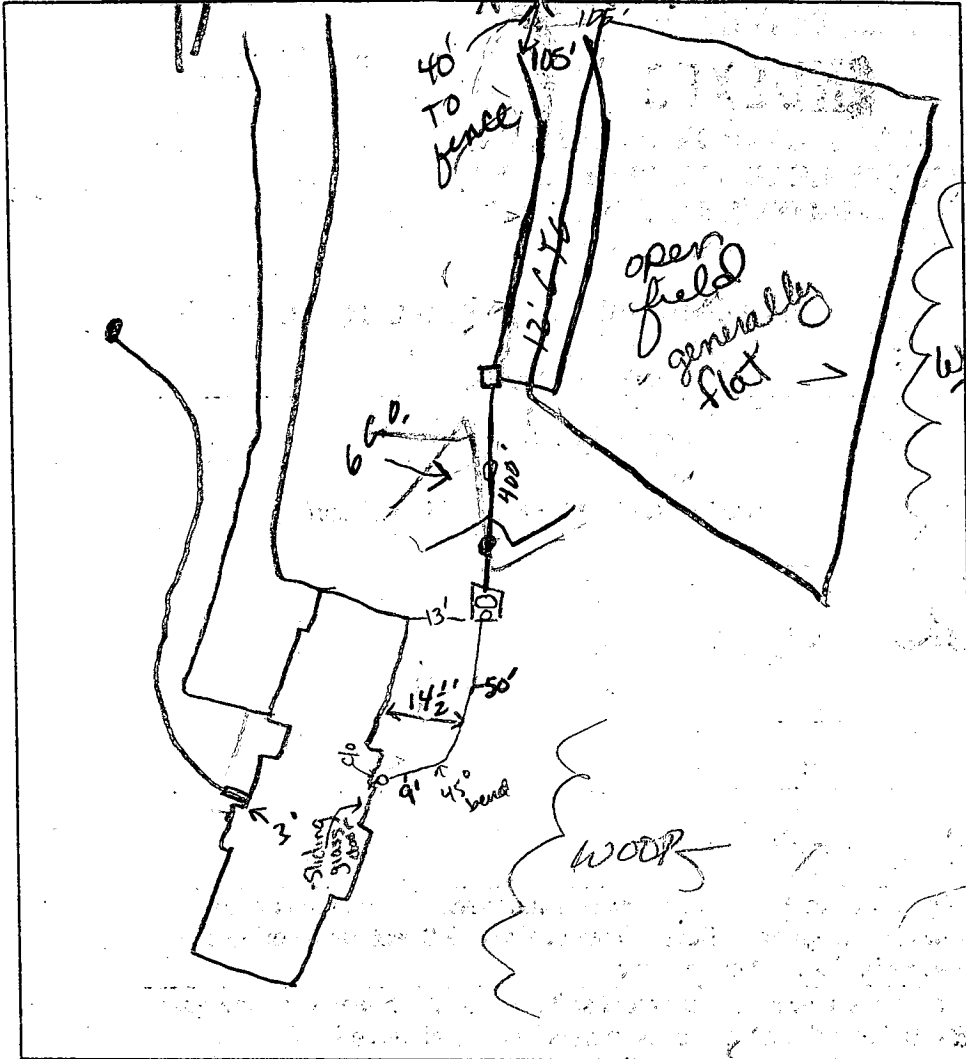
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND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

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

A513348

Howard Rd

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 3'
 TRENCH BOTTOM DEPTH 4.5'
 DEPTH OF STONE 1.5'
 NUMBER OF TRENCHES 2
 TOTAL TRENCH LENGTH 210'
 ABSORBENT AREA 630 ft²
 DISTRIBUTION BOX LEVEL
 BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1250 ^{Topseam} GALLONS
 lid depth 2'±
 MANHOLE RISER middle
 6 INCH INSPECTION PORT front

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS N/A
 MANHOLE RISER N/A
 ALARM _____
 PUMP PERFORMANCE TEST _____

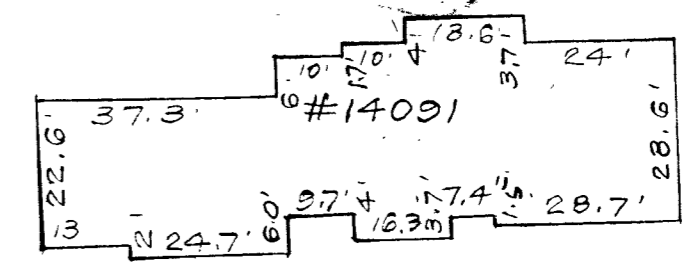
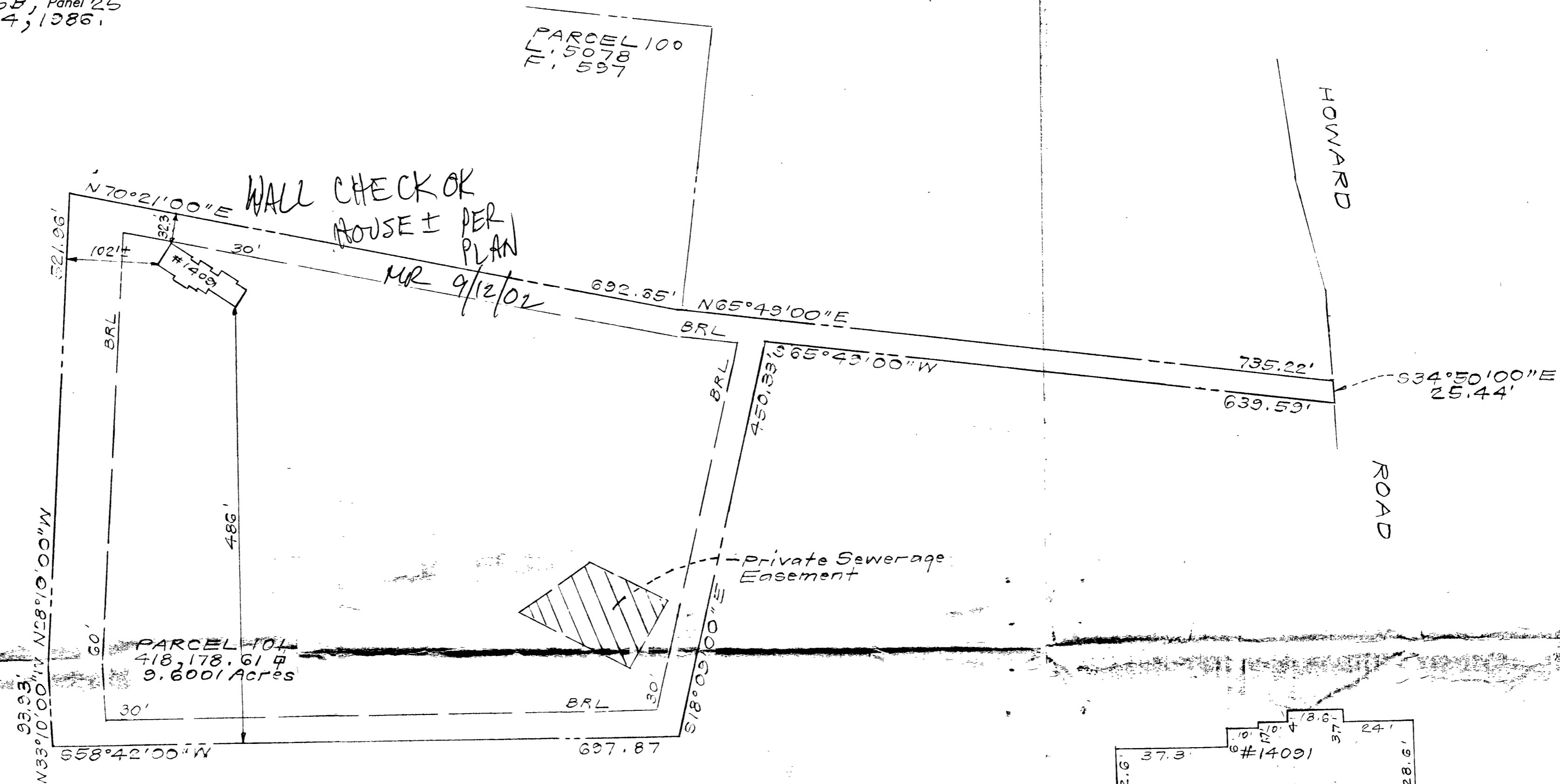
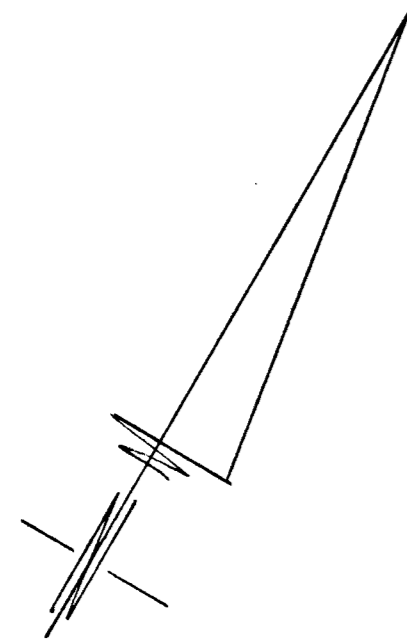
PRE-CONSTRUCTION INSPECTION: 9/12/02 lot staked, Place D.B. 7' out of GRA. Leave box open or use C.O. on D.B. to test. Install (2) 105'

INSPECTION COMMENTS: trenches 12' CTC (SC) 9/13/02 Dave says there is 6' fall from S.T. to SRA. More length of PIC may be required due to topo. SRA approx 500' FROM House. After SEPTIC INSTALLATION, STEU ART OSTER WANTS TO RUN A "MOCK PUMP test" due to 10% fall running 500' (KN) 9/20/02 Leave outside of S.T. & D.B. uncovered for water test. OK to cover everything else (SC) 10/15/02 Gravity flow test to D.B. OK (SC)

INSPECTOR [Signature] DATE SYSTEM APPROVED 10/15/02

NOTE: This Lot appears to lie in an area classified as Zone C, area of minimal flooding as shown on FIRM MAP of Howard County, Maryland, Community Panel Number 2400440025B, Panel 2.5 of 4.5, dated December 4, 1986.

Wall Check: 9-13-01
Top of Wall Elev.: 495.8



SCALE: 1" = 30'

CONSUMER INFORMATION

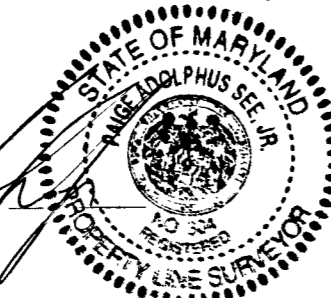
- 1) This plat is of benefit to the consumer only insofar as it is required by a lender of a title insurance company or its agent in connection with contemplated transfer, financing or refinancing purposes;
- 2) This plat is not to be relied upon for the establishment or location of fences, garages, buildings or other existing or future structures;
- 3) This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.

SURVEYOR'S CERTIFICATE

I hereby certify that a field survey of this property has been made under my supervision for the purpose of locating improvements shown hereon, and that they are located as shown.


9-19-01
DATE

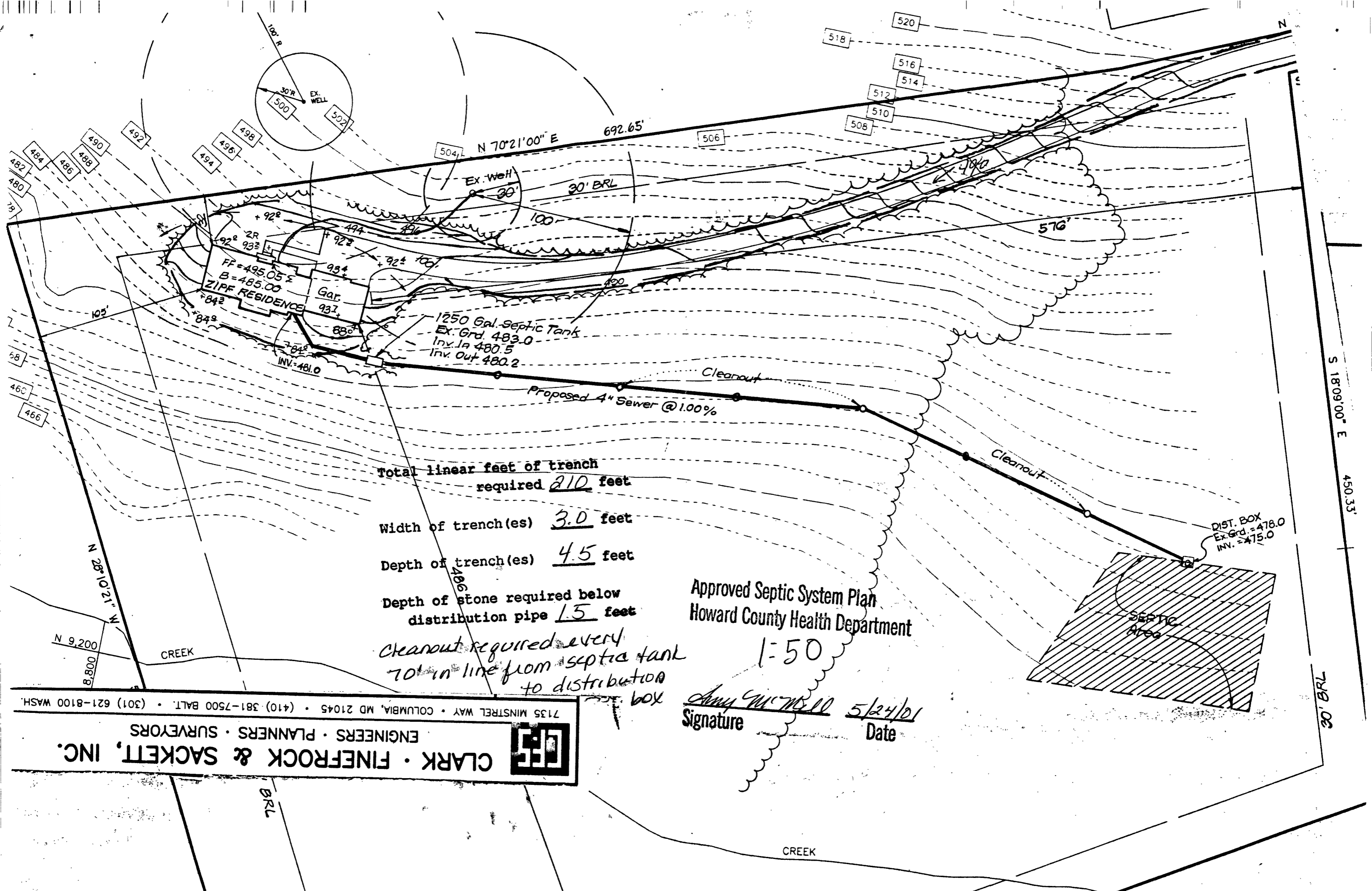
[Handwritten Signature]



NOTES:
1. The ± setback distance accuracy = 1'.

Deed Reference: LIBER 619 FOLIO 425

 CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		DESIGNED	LOCATION DRAWING 14091 HOWARD ROAD PARCEL 101 ZIPF PROPERTY 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 100'
		DRAWN		DRAWING
CHECKED KWC	JOB NO.			
PAS	FILE NO.			
DATE 9-19-01	00-068-0			



Total linear feet of trench
required 210 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 4.5 feet

Depth of stone required below
distribution pipe 1.5 feet

Cleanout required every
70' in line from septic tank
to distribution box

Approved Septic System Plan
Howard County Health Department

1-50
Amy G. Williams Signature 5/24/10 Date

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

**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: J & J Plumbing Telephone #: 301-797-2171
Address: 21820 Black Rock Lane
Hagerstown, MD 21740

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): John C. Savin License# MD 12298

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

Name of Property Owner: David & Jacqueline Telephone #: 410-730-7947
Subdivision: _____ Lot #: _____ Well Tag #: HO-94-2733
Site Address: 14091 Howard Road
Dayton, MD 21136

Submersible Pump Data

Make: Jacuzzi
Model #: TLS 4521B-52
Pump Capacity 5 GPM
Well Yield: 1 GPM
Depth of well encountered at time of pump installation: 400 (feet)

Pitless Adapter

Make: Campbell
Model #: B-3002
Depth: 36" (36" min)
NSF/WSC approved:

Well Cap and Electric Conduit

Two piece watertight cap:
Screened, vented well cap:
Cap secured to casing:
Conduit min 18" B.G.:
Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Piping to house

Type: 1" poly
PSI: (160 psi min)
Depth of supply line: (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: _____
Approximate length of sleeve: _____
Sleeve caulked and sealed properly: _____

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: John C. Savin date: 8-15-02

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

Date Insp. Requested: _____ Date Insp. Approved: 8/16/02 Inspector: SO BA
Inspection Data: Pitless adapter watertight & 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 not seen outside of well cap/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

C-1 07817

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. 8/24/00 D.K. (AB)

COUNTY NUMBER A 513348

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2733

OWNER ZIPF DAVID STREET OR RFD HOWARD RD TOWN DAYTON SUBDIVISION TAX MAP 27 PARCEL 101 SECTION LOT

WELL LOG Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING. DESCRIPTION (Use additional sheets if needed) FEET FROM TO check if water bearing. Sand 0 25 Gray Mica Rock 25 400. 2 dry wells backfilled. 380-40 drilling materials 40-0 cement. 360-40 drilling materials 40-0 cement.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N). TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC). NO. OF BAGS 8 NO. OF POUNDS 732. GALLONS OF WATER 48. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 25 ft.

CASING RECORD casing types insert appropriate code below. MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 28.

OTHER CASING (if used) diameter inch depth (feet) from to.

SCREEN RECORD screen type or open hole insert appropriate code below. ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER.

NUMBER OF UNSUCCESSFUL WELLS: 2. WELL HYDROFRACTURED YES (Y) NO (N).

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. E ELECTRIC LOG OBTAINED. P TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MS DO 24 DRILLERS SIGNATURE Joseph L. Mayne LIC. NO. D

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

DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6. PUMPING RATE (gal. per min.) 1. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 43 ft. WHEN PUMPING 350 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible.

PUMP INSTALLED DRILLER-INSTALLED PUMP YES (NO). IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETE FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35. PUMP HORSE POWER 37 41. PUMP COLUMN LENGTH (nearest ft.) 43 47. CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below LAND SURFACE (nearest foot) 1.

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). See Attached Well Locations.

B 1 09722

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2733

W513658 please print or type

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
Zepf Jacqueline + David
15 Last Name Owner First Name 34
10537 Morning wind Lane
36 Street or RFD 55
Columbia Md 21044
57 Town 70 State 72 Zip 76

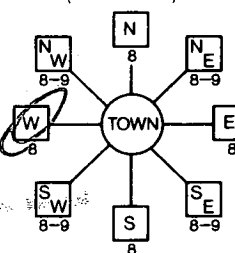
B 3 Howard LOCATION OF WELL

8 COUNTY 21
23 SUBDIVISION 42
SECTION 44 46 LOT 48 50
52 NEAREST TOWN Dayton
MILES FROM TOWN (enter 0 if in town) 1 3/10 M I
73 76 77 78

DRILLER INFORMATION

Joseph L. Mayne M S D Z Y
Driller's Name 76 License No. 81
Joseph L. Mayne well Drilling
5512 Ridge Rd. Mt. Airy, Md. 21771
Address
Joseph L. Mayne 6/27/2000
Signature Date

B 4 1 2
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Howard Road
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W EAST E
SOUTH S
34 1,2,3,4 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 27 BLK: PARCEL 101

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 500
(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 AS13348
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 7/6/00 C. Will 7/5/01
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 513 0 0 0 EAST GRID 0797 0 0 0
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
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY Drive-POINT
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

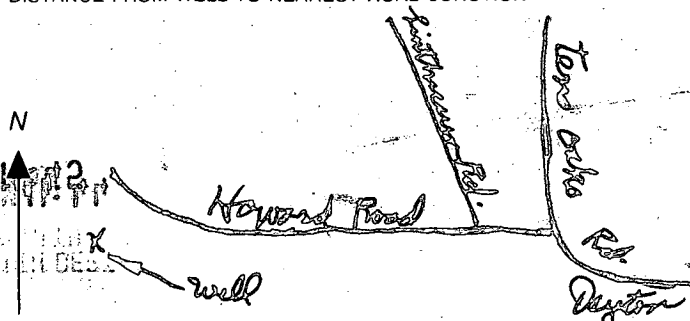
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 79a
N 51a

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

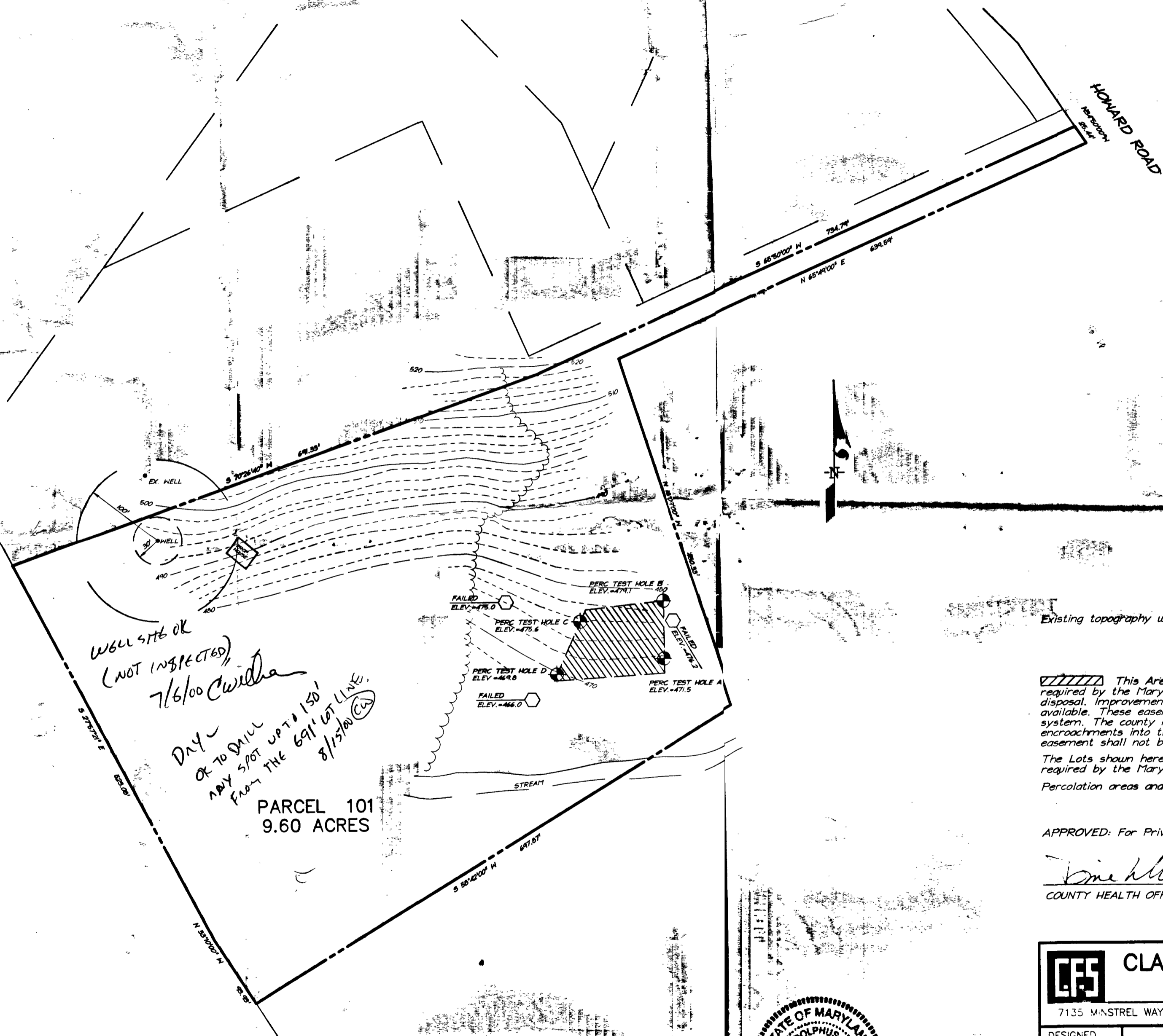


Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER 54 G A P 63
PERMIT No. HO-94-2733
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -



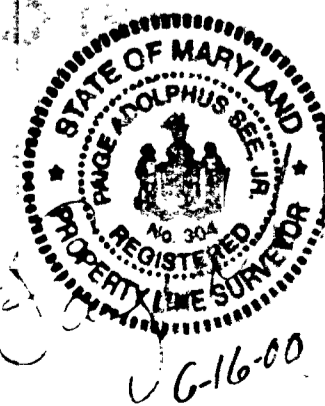
Existing topography was field-run by Clark, Finefrock & Sackett, Inc. on May 17, 2000.

This Area designates a private sewage reserve 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 sewage is available. These easements shall become null and void upon connection to a public sewage system. The county Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of the Environment.
 Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems.

COUNTY HEALTH OFFICER (C) DATE 6/16/00



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED	PERCOLATION CERTIFICATION PLAT LIBER 619 FOLIO 425 PARCEL 101 TAX MAP 27 GRID NO. 6 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: DAVID G. ZIPP 10537 MORNING WIND LANE COLUMBIA, MARYLAND 21044	SCALE
DRAWN		1" = 100'
CHECKED		DRAWING
DATE		1 of 1
		JOB NO.
		00-068
		FILE NO.
		00-068-0

HOWARD ROAD

N 15° 00' 00" W
25.44'

S 65° 50' 00" W 734.74'

N 65° 49' 00" E 639.59'

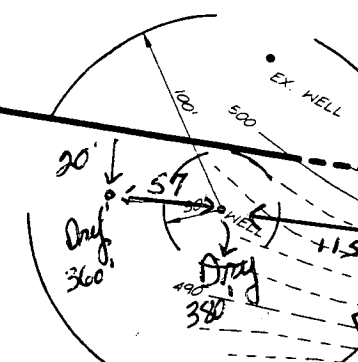
N 48° 20' 00" W 455.02'

S 55° 42' 00" W 697.67'

S 27° 57' 00" E 523.00'

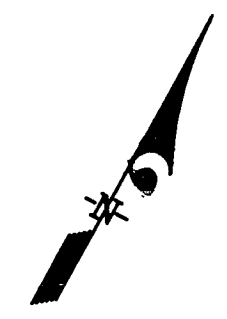
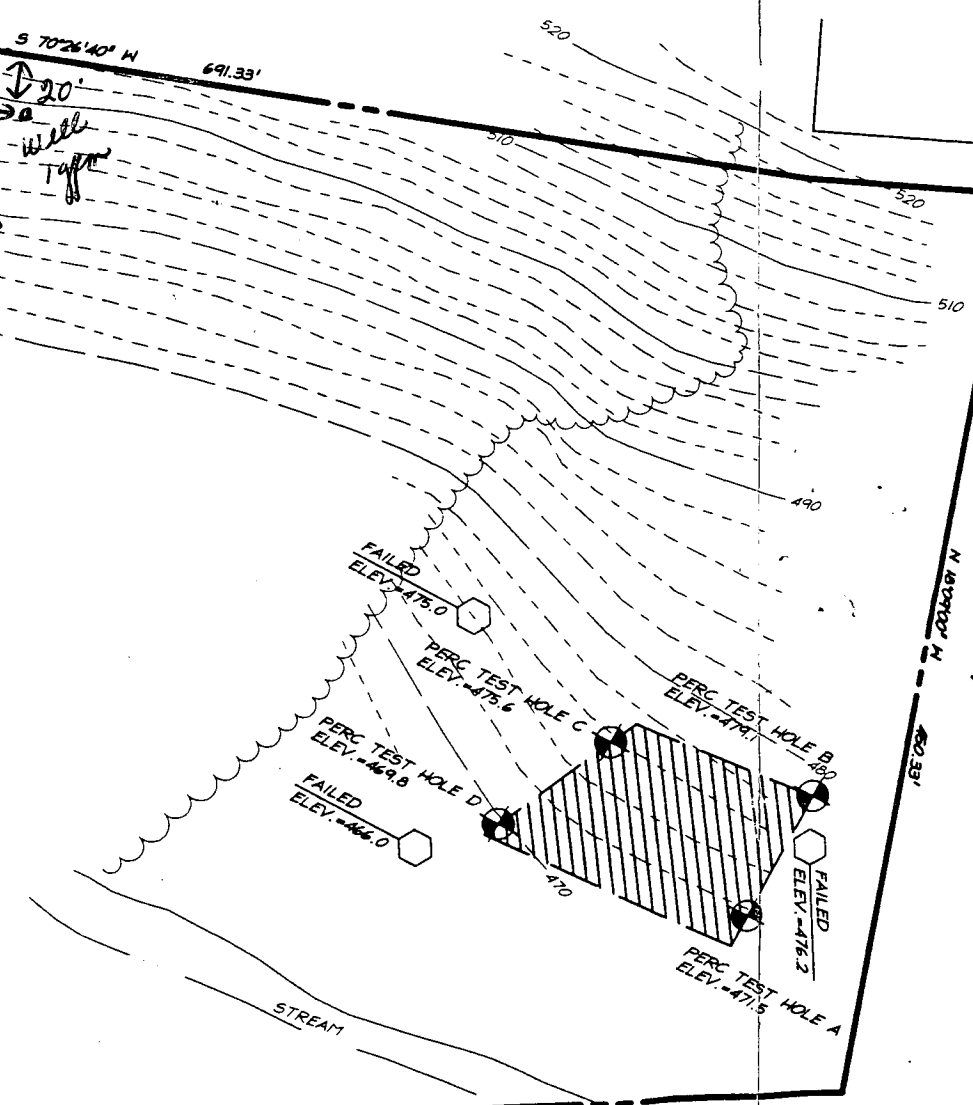
N 20° 00' 00" E 153.00'

65.83'



WELL SITE OK
 (NOT INSPECTED)
 7/6/00 CWL

PARCEL 101
 9.60 ACRES



2000 AU 23 PM 2:30

Existing topography was field-run by
 required by
 disposal
 available
 system

APPLICATION

PERCOLATION TESTING

A 513348

EXISTING LOT OF RECORD
WET SEASON TESTING NEEDED (W)

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 3/28/2000

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 DAVID G. & JACQUELINE C. ZIPF

ADDRESS 10537 Morning Wind Lane Columbia, MD 21044 PHONE 410-730-7947

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION Howard Rd. 1 mile north of Dayton MD.

TAX MAP 27 PARCEL # P. 101

SIZE OF LOT 23 Acres TYPE BLDG. Single Family
(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.

[Handwritten 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 _____

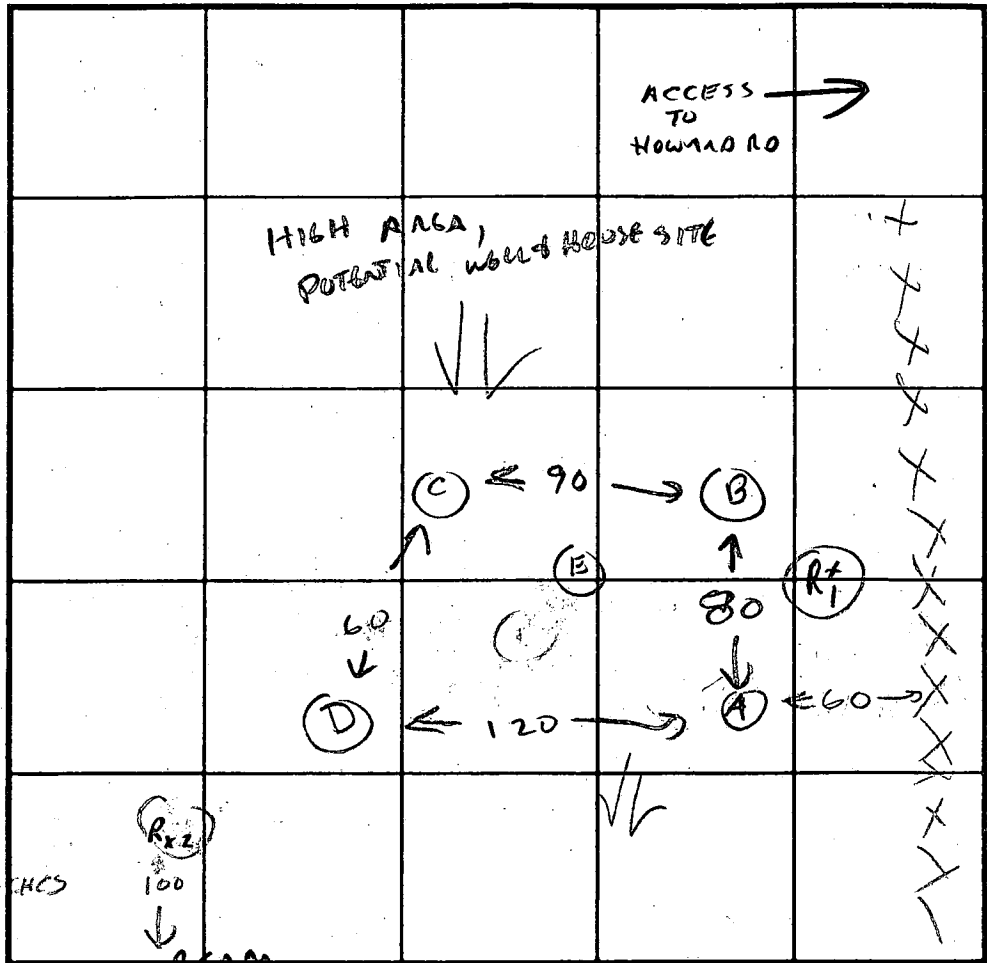
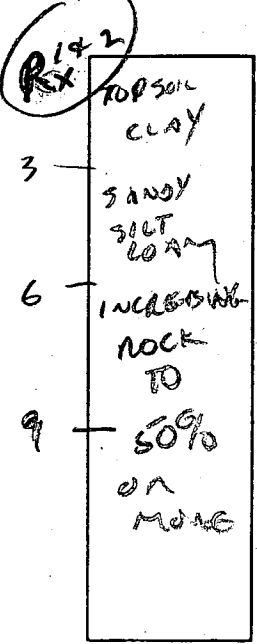
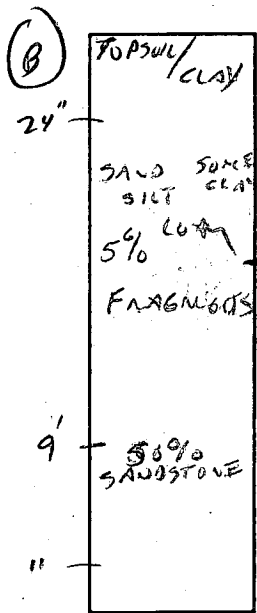
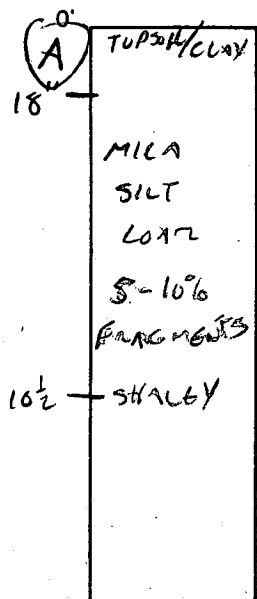
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

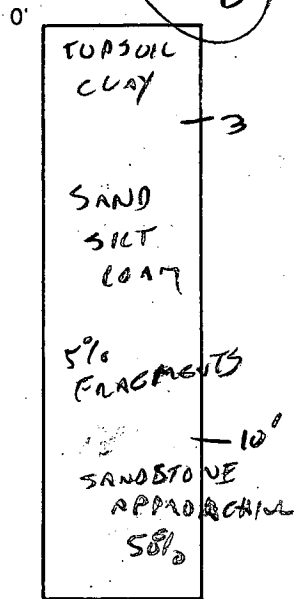
513348 ZIPF - HOWARD RD.

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/1/00	A	2 1/2	11:43	11:56	11:56	12:07	9 MIN
		10 (ROCKY) (A)		10 1/2'			
	B	VIS OK 2 1/2 - 9'					
		ROCKY (A) 9'					
	C	3	11:51	11:53	11:53	11:56	3 MIN
		VIS OK 3' - 10'					
	D	3	12:00	12:03	12:03	12:09	6 MIN
		VIS OK 3' - 10'					
	E	VIS ONLY - NO ROCK TO 9'					

REMARKS: OK TO EXPAND SEPTIC AREA HIGHER

TYPE OF SOIL: SAND/SILT LOAM

TESTED BY: C. Willha

ALSO PRESENT: ZIPF, SHARP

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 6 MIN TRENCH WIDTH: 3

INLET DEPTH: 2 1/2 MAXIMUM BOTTOM DEPTH: 4 1/2 SQ. FT./BEDROOM: 210



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

May 15, 2000

Mr. and Ms. David Zipf
10537 Morning Wind Lane
Columbia, Md. 21044

Re: Percolation test results
Zipf Property – Howard Rd.
Tax map 27, Parcel 101

Dear Mr. and Ms. Zipf,

Percolation testing conducted May 1, 2000 at the above referenced property indicated satisfactory soil conditions on certain portions of the property. Copies of those results are enclosed.

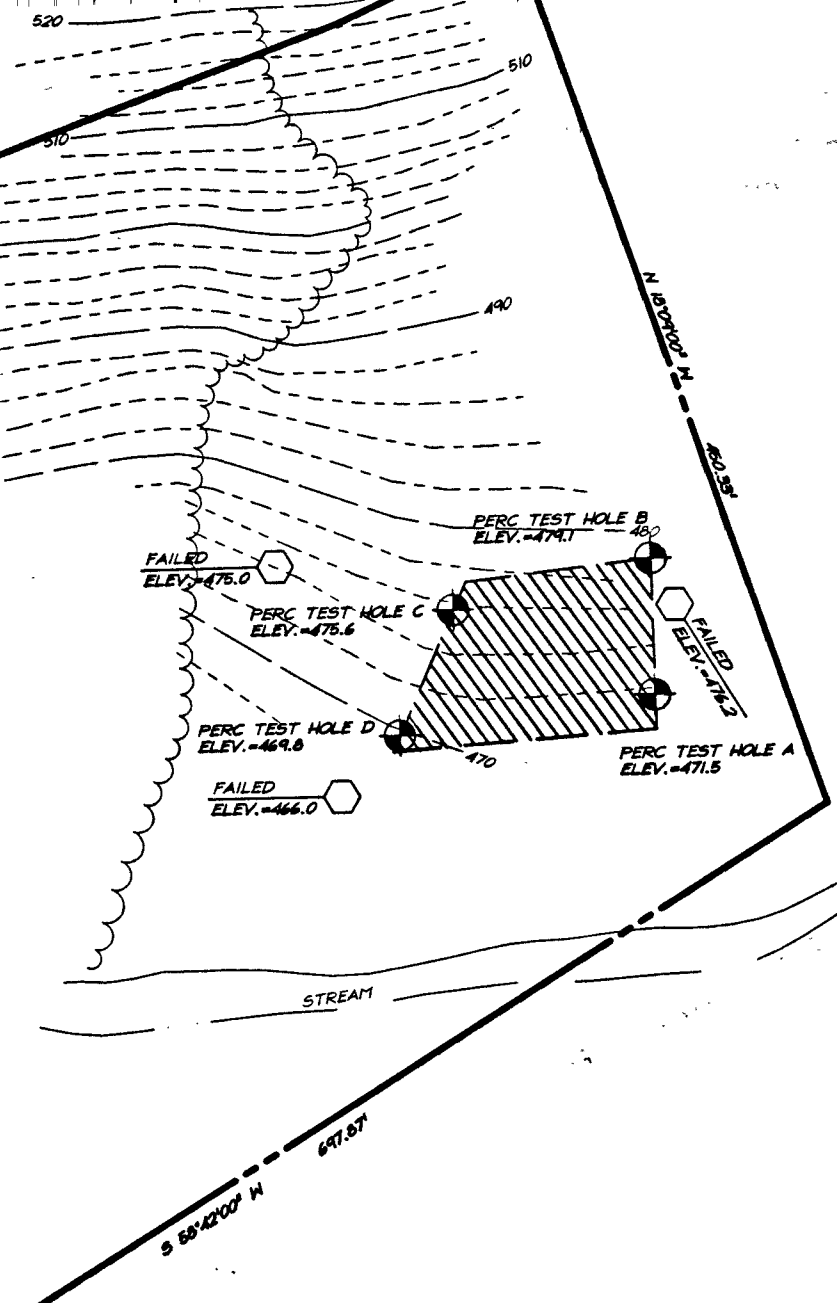
Further review is contingent upon submittal of a scaled percolation certification plan by a licensed surveyor or engineer. That document should propose a generalized house, a specific well site and a 10,000 square foot septic area, as well as Health Officer's signature block and other standard technical language. Essential supporting detail would include locations and elevations of all excavated test holes, significant physical features such as streams and steep slopes, and location of any wells and septic systems on surrounding properties within 100' of existing lot boundaries. Submittal is requested within sixty (60) days of this notice in order to allow field confirmation if necessary.

Please feel free to contact me at this office if you have any additional questions regarding this matter.

Yours truly, ✓

Craig Williams, Sanitarian

✓ FILE



SEE OTHER SIDE
FOR FULL PROPERTY PICTORIAL.

Existing topography was field-run by Clark, Finefrock & Sackett, Inc. on May 17, 2000.


/// This Area designates a private sewage reserve 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 sewage is available. These easements shall become null and void upon connection to a public sewage system. The county Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of the Environment.
Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems.

David M. [Signature] 6/16/00
COUNTY HEALTH OFFICER (C.W) DATE



 CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED	PERCOLATION CERTIFICATION PLAT LIBER 619 FOLIO 425 PARCEL 101 TAX MAP 27 GRID NO. 6 FIFTH (5th) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 100'
DRAWN ZH		DRAWING 1 of 1
CHECKED MA		JOB NO. 00-068
DATE 5-26-00		FILE NO. 00-068-0
FOR: DAVID G. ZIPF 10537 MORNING WIND LANE COLUMBIA, MARYLAND 21044		


HOWARD ROAD



PARCEL 101
9.60 ACRES

SEE OTHER SIDE
FOR ENGINEER'S TECHNICAL INFO

Existing topography was field-run by Clark, Finefrack & Sackett, Inc.

 This Area designates a private sewage reserve of 10,000 sq. ft. required by the Maryland State Department of the Environment for individual disposal. Improvements of any nature in this area are restricted until public disposal. These easements shall become null and void upon connection to a system. The county Health Officer shall have the authority to grant variance encroachments into the private sewage easement. Recordation of a modified easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot area required by the Maryland State Department of the Environment.

Percolation areas and water wells for adjoining lots have been shown where per

APPROVED: For Private Water and Private Sewage Systems.

Dine Wladyslaw
COUNTY HEALTH OFFICER (C)



CLARK • FINEFRACK & SACKETT, INC.

DATE 6/6/00



520/11
3675
19
735

"A"
5.000 Acres

"B"
5.000 Acres

"C"
5.000 Acres

Hudson

HOWARD

WELL SITE
T.B.D.

SEE ATTACHMENT
FOR ADDITIONAL
20.000 Acres
DETAIL

ZIPP PENE APPL.
HOWARD R.D.

ALTERNATIVE SITE FOR
SAND MOUND EVALUATION

"L"
5.000 Acres

I
5.000 Acres

H
11.271 Acres

J
5.349 Acres

"K"
5.000 Acres

Underground Pipeline (R)

