

02-3398-11

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512761
A 38525

DISTRICT _____

DATE 10/13/99

DATE SYSTEM APPROVED 10/13/99

INSPECTOR [Signature]

11/24/99
1:00-2:00
11/30/99
10-10:30
C.O. WPT. Ut PH
12/1/99

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

INDEXED

K & K Excavating IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Frederick Road, Woodbine, MD 21797 PHONE 410-442-1336

SUBDIVISION Burleigh Manor LOT 693 ROAD 10360 Kingsbridge Road

PROPERTY OWNER Doug and Chris Barnes

ADDRESS _____

SEPTIC TANK CAPACITY 2000 GALLONS

NUMBER OF BEDROOMS 6

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 270

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom Maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION- Place the distribution box 110 feet down the left lot line and 10 feet off this same lot line as seen from Kingsbridge Road. Run trenches along contour in both directions. on DIS 10/13/99

PLANS APPROVED BY DWS DATE 10/13/99

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

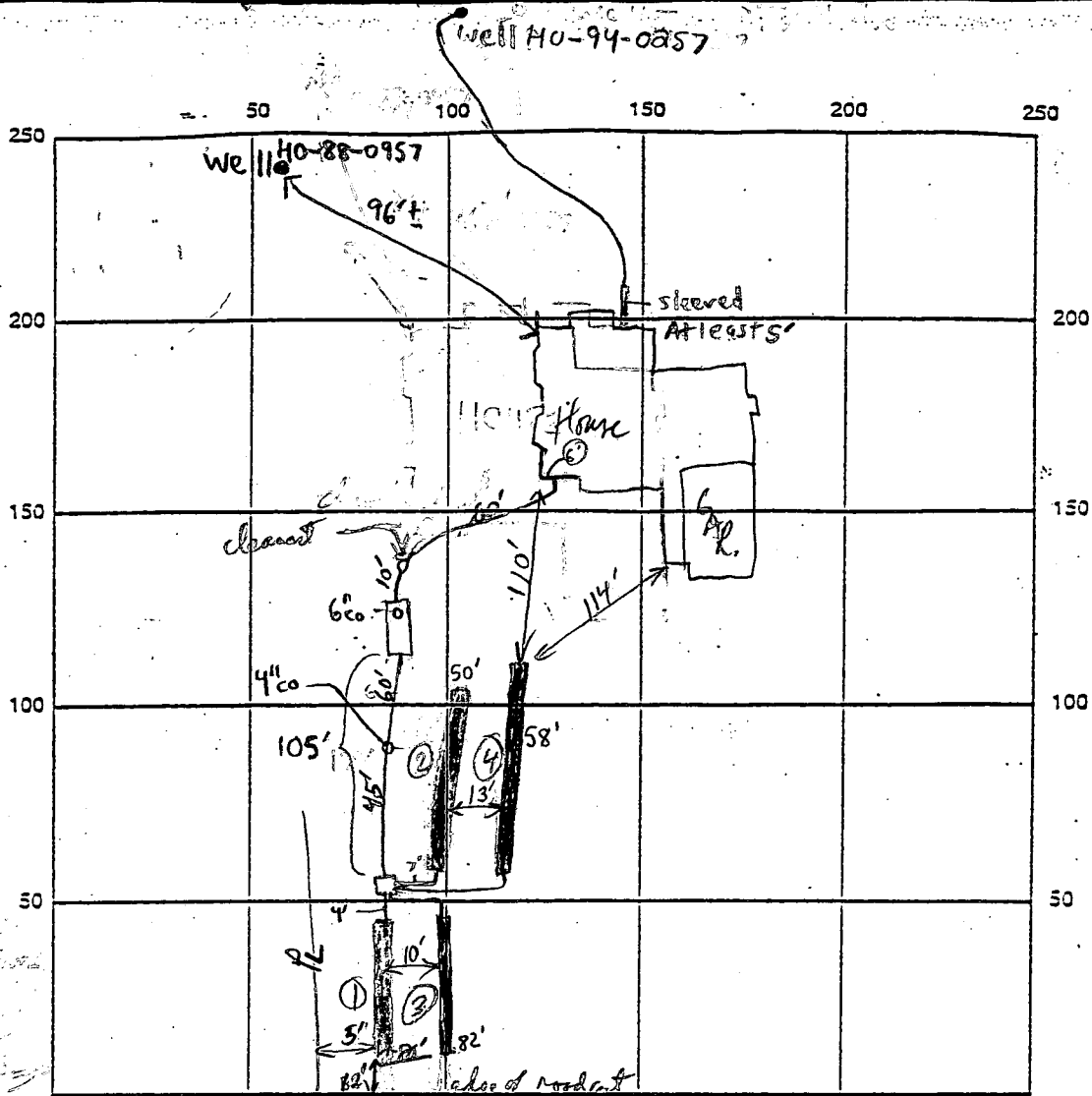
PERMIT VOID AFTER TWO YEARS

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
 KINGS BRIDGE ROAD

SEPTIC TANK LEVEL 2000 gallon midseam tank CLEANOUTS 6" on Septic Tank, 2-4" In line

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TITLE DEPTH 8 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 80/50/82 FT. 312

NUMBER OF TRENCHES 4 ONE SIDEWALL/SLOTTED AREA 1080 SQ. FT.

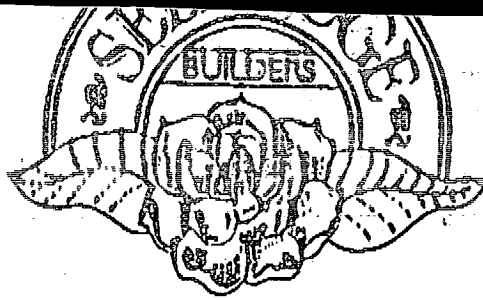
DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 10/14/99 - OK TO CONTINUE WORK - (SRK) 11/29/99 - OK TO CONTINUE WORK - (SRK)
11/29/99 - OK TO CONTINUE WORK - (SRK) 3rd Trench OK to cover, 4th Trench OK to gravel fill. RJP 11/30/99
11/30/99 - OK to cover, House Connection OK to cover all work. RJP 11/30/99

DATE SYSTEM APPROVED 11/30/99 INSPECTOR RJP

WARREN



Selfridge Builders
14045 Cared Drive
Glenwood, Md, 21738
Phone: 410-489-2450
Fax: 410-489-2452

531-8930

531-8930

TO: Craig Williams

FROM: Warren E. Wunder Jr.

SUBJECT: Lot 693 Bortleigh Manor / Trench Drain

DATE: 8-13-99

Number of pages including cover sheet: 2

MESSAGE: As requested

A (FIELD) LAYOUT INSPECTION WAS REQUESTED,

BUT THIS EXCHANGE OF PLANS SHOULD WORK TOO.

"CLOSE, BUT NO CIGAR"
ATTACHED PROPOSAL REJECTED - TRENCH LENGTHS

CAN BE "MORE EQUAL" AND INSTALLATION PATTERN

CAN BE CHANGED TO ENSURE MORE AREA LEFT FOR FUTURE REPAIR.

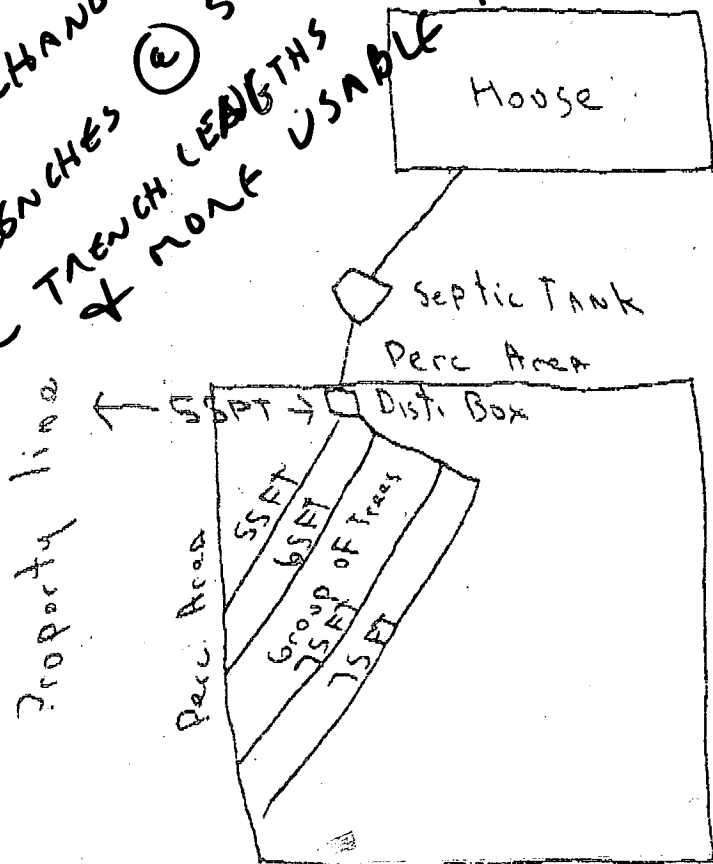
* TRY 5 TRENCHES @ 55' (OR 54')
ALL TO LEFT SIDE OF LOT. (CW)

Lot 693 Burleigh Manor

SUGGEST CHANGE
TO 5' TRENCHES @ 55' (54')
RESULT - TRENCH LENGTHS MORE EQUAL
& MORE USABLE AREA FOR FUTURE REPAIR

(W)

8/13/99



Notes:

1. Dist. Box to be 55FT off left line because of large Poplar tree
2. 15 Foot gap between trench 2 + 3 Because of group of large Poplar trees
3. Drawing not to scale

8-13-99

Olen Lee Ketterman Jr.

8/19/99, 8:50am.

Spoke to T. Ragen-

I explained that a circular drive inst. would require reconfiguration of SDA (i.e., reperc in front of yard). He agrees

to provide revised site plan and test fee, if needed. (OKS)



James H. Selfridge Builders, Inc.
14045 Gared Drive
Glenwood, Maryland 21738
410-531-8930 Phone XT 26
410-531-8939 Fax

FAX TRANSMITTAL SHEET

TO: KIM SOE
FROM: TIM RAGEN
SUBJECT: 10360 KINGSBRIDGE ROAD, BP. #0010813
DATE: 8/16/99

Number of pages including cover sheet: 02

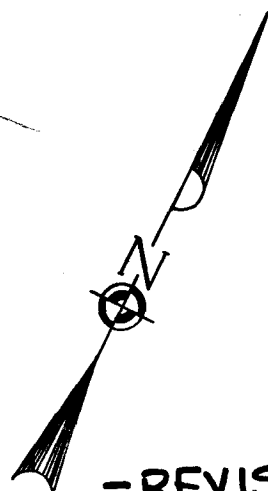
MESSAGE: Kim, I received a call from the homeowner RE: a circular driveway on lot 693. What do you think? Can it happen?

Please call to discuss ... my mobile # 410-365-2278

P.S. We are in the process of clearing now.

Thanks,
TIM

Total linear feet of trench required 270 feet
 Width of trench(es) 2 feet
 Depth of trench(es) 8 feet
 Depth of stone required below distribution pipe 4 feet

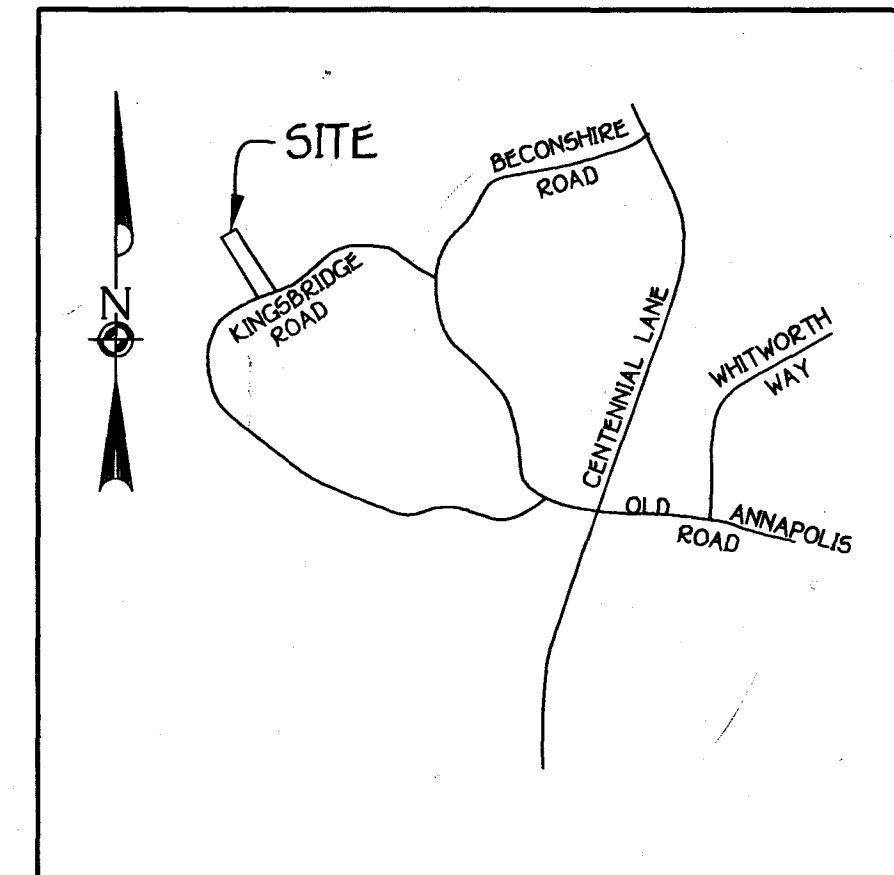
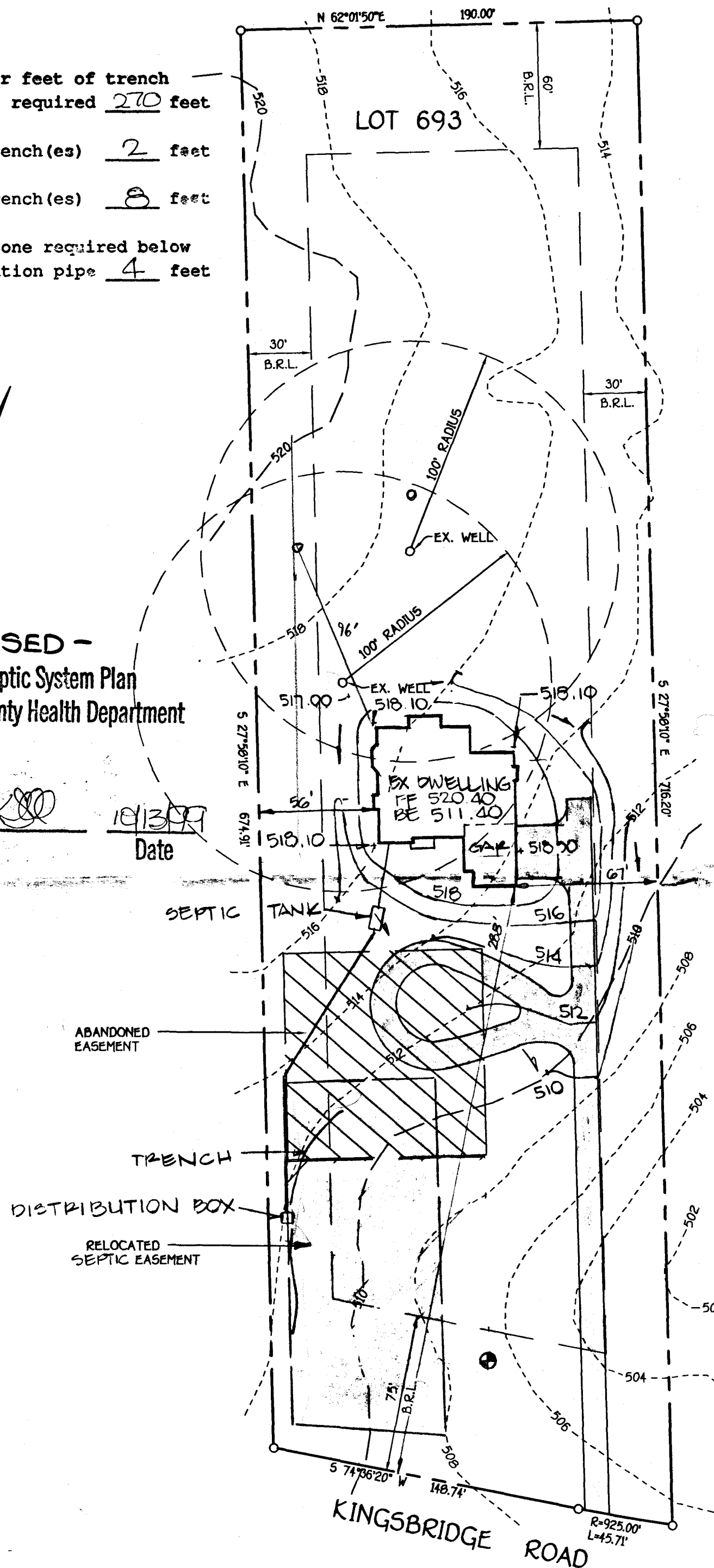


-REVISED-
 Approved Septic System Plan
 Howard County Health Department

[Signature]
 Signature

10/13/99
 Date

1. EX. GROUND OVER DISTRIBUTION BOX : 512.00
2. INV. IN AT DISTRIBUTION BOX : 508.00
3. EX GROUND OVER SEPTIC TANK : 515.00
4. INV. IN AT SEPTIC TANK : 511.00
5. INV. OUT AT SEPTIC TANK : 510.70
6. INV OF SEPTIC SYSTEM AT HOUSE : 511.90



VICINITY MAP
 SCALE : 1" = 1200'

GENERAL NOTES:

1. 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. THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS PER RECORD PLAT NO. 8318. THIS EASEMENT IS 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. DENOTES WELL LOCATION.
7. DENOTES PERC HOLE LOCATION.
8. OWNER & DEVELOPER:
 SELFRIDGE BUILDERS
 14045 GARDEN DRIVE
 GLEN WOOD MD.
 21738
 410-531-8930

PERC RECERTIFICATION PLAT
BURLEIGH MANOR
LOT 693

SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DATE: SEPTEMBER, 1999 SCALE: 1"=50'



HOWARD COUNTY HEALTH DEPARTMENT

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

August 30, 1999

Selfridge Builders, Inc.
14045 Gared Drive
Glenwood, Maryland 21738

RE: Percolation Testing
Burleigh Manor, Lot #693
10360 Kingsbridge Road

Dear Sirs:

Percolation testing was conducted on the above referenced property August 27, 1999, in attempt to relocate the existing sewage disposal area to accommodate a circular drive. The testing conducted indicated satisfactory soil conditions. A copy of the percolation test results is enclosed.

A registered engineer or a licensed surveyor should submit a revised Percolation Certification plan showing the actual location of the percolation test hole and a modified sewage disposal area based upon this recent testing. Additionally, please include a septic system layout based on the modified sewage area.

Please be advised that the requested plan should be submitted to this office for review and approval prior to request for release of the septic system permit.

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

Sincerely,

Donna K. Soe, R.S.

Water and Sewerage Program

DKS

Cc: file

8/27/99
1:30

APPLICATION

PERCOLATION TESTING

A 38525

P _____

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

1 test hole proposed
to relocate SDA
to accommodate
circular drive (DS)

DISTRICT _____

DATE 8/26/99

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 Doug & CHRIS BARNES

ADDRESS 10360 ~~KINGSBRIDGE ROAD~~ PHONE _____

AGENT OR PROSPECTIVE BUYER SEFRIDGE BUILDERS, INC.

ADDRESS 14045 GARDEN DRIVE PHONE 410-531-8930

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor LOT NO. 693

ROAD AND DESCRIPTION 10360 KINGSBRIDGE ROAD

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

Tom Ragen 8/26/99
(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

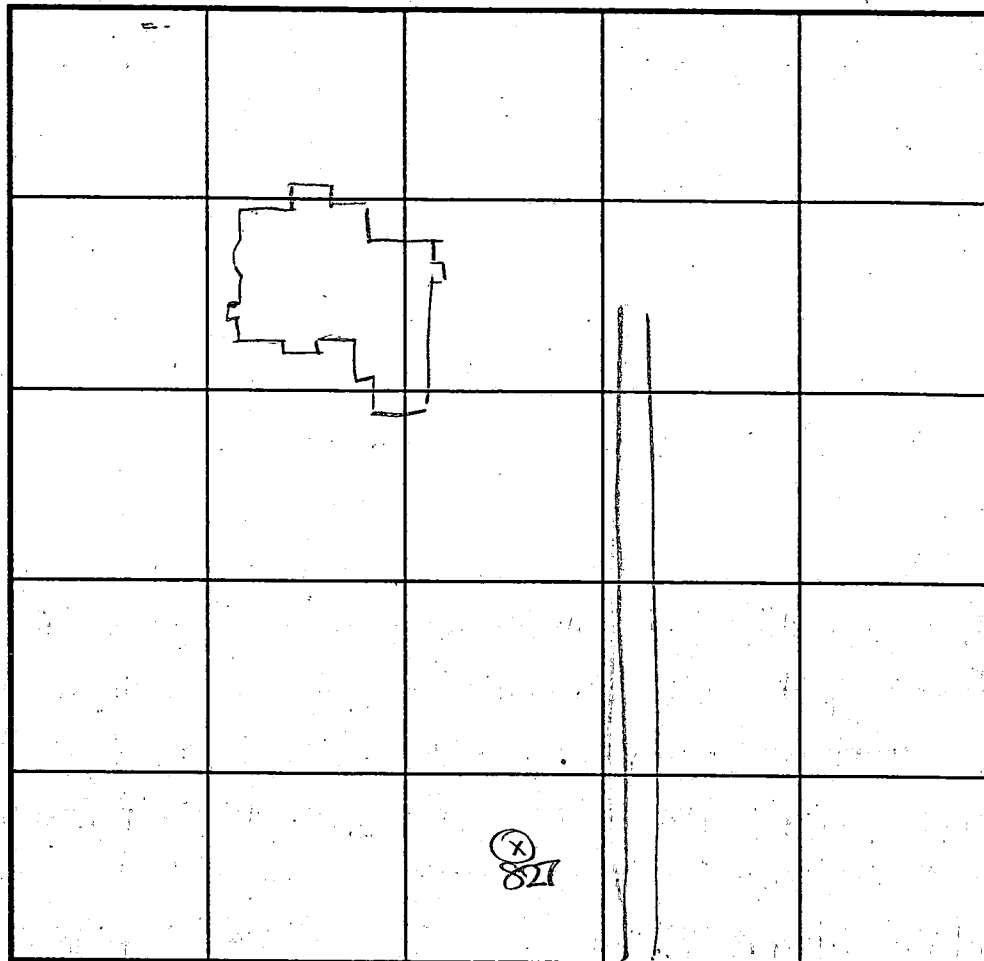
827

topsoil

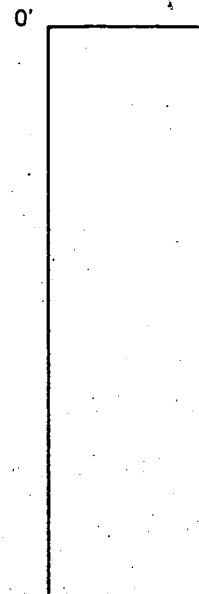
org red
btm
cl Lm

pale org
berge
sa Lm

5% R₄



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Kingsbridge Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-27-99	827	17.0'D	visual	- See	profile		OK

REMARKS

TYPE OF SOIL

TESTED BY D. Soe

ALSO PRESENT O. Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

Burleigh Manor
Kingsbridge Rd

A 38525

SUBDIVISION:

LOT NUMBER: 693

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>
3 bedroom	1000 gallon
4 bedroom	1250 gallon
5 bedroom	1500 gallon

Minimum Total Square Feet

Inlet _____ feet below original grade.
 Bottom maximum depth _____ feet below original grade.
 Effective area begins at _____ feet below original grade.

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

TRENCHES

Trench to be 2 wide. 180 sq. ft./bedroom
 Inlet 4 feet below original grade. B 00118813-6 BR
 Bottom maximum depth 8 feet below original grade. 1750 L2 2000 GAL.
 Effective area begins at 4 feet below original grade. SEPTIC TANK
4 feet of stone below distribution pipe.

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

LOCATION: STARTING FROM FRONT LEFT LOT CORNER,
 START FIRST TRENCH 245' DOWN LEFT LOT LINE
 AND 45' OFF THIS SAME LOT LINE. RUN TRENCHES
 ON CONTOUR TOWARD LEFT SIDE OF LOT.
 MAINTAIN 10' FROM LEFT LOT LINE.

CONTRACTOR TO REQUEST MR 8/23/89

* TRENCH LAYOUT INSPECTION PRIOR

HD-191

TO TRENCH EXCAVATION — OBJECT:
 REASONABLE BALANCE BETWEEN EQUAL TRENCH LENGTH
 AND MAXIMUM USE OF AVAILABLE AREA. (CW) 6/28/89

45' TRENCH/BDAM
 270' TOTAL
 TRENCH LENGTH

APPLICATION

PERCOLATION TESTING

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

*3/20/87
perc OK 2nd pending
approved plat*

A 38505

P _____

DISTRICT _____

DATE 1-28-87

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.

Selfridge Builders

PROPERTY OWNER Gerald M. Katz, Trustee c/o Whitman, Reardon and Associates

ADDRESS 2315 Saint Paul Street, Baltimore, MD 21218 PHONE (301) 235-3450

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

*LOT 693 on Prelim
IT*

SUBDIVISION Burleigh Manor Section 2 LOT NO. _____

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road
(10360 Kingsbridge Road)

EXIST. PERMIT
AND RETURNED 6-28-99
Serial # B10 118813

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 Ac. TYPE BLDG. Single Family Dwelling - 6 Brn
(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.

Stu Slater

(SIGNATURE OF APPLICANT)

APPROVED BY B. Nuyon FOR deep system DATE 2/8/88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes & sub-plat

THIS IS NOT A PERMIT

180° / 5 D ROOM
 SWERT 41
 MKX 8'
 $\bar{x} = 3$ MIN

① ③

SOIL PROFILE

orange
 chunky clay
 mix
 to mostly
 fine
 gran
 of lighter
 patches
 ↓

12' D

②

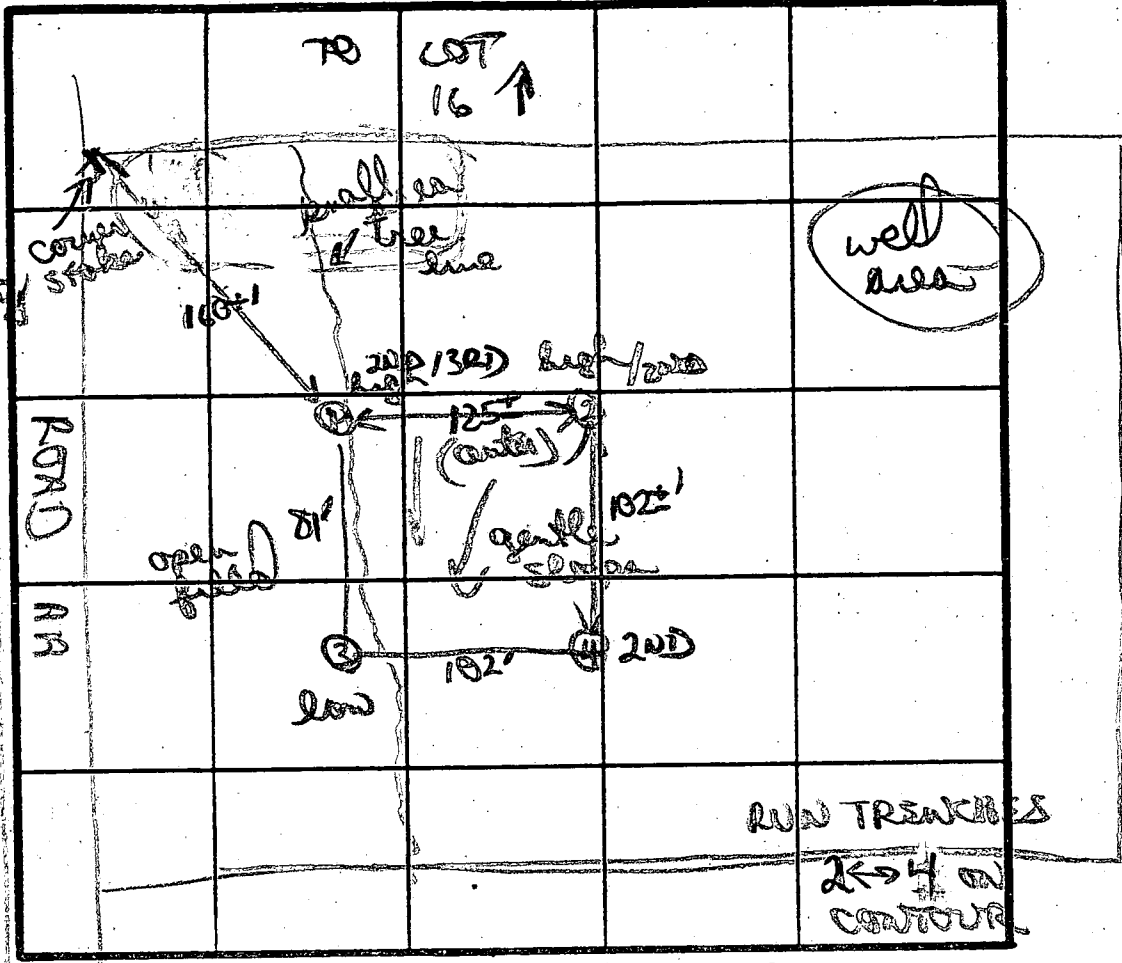
similar to
 #1 w/
 few scattered
 "chalk" white
 soils
 5-10'
 w/ tan
 silty loam

12' D

④

red/orange
 chunky sandy
 clay
 to orange/tan
 clay silty loam

to gray
 white silty
 near loam



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/20/87	①	3 1/2 S	1146	1149	1149	1156	7 MIN	
		6 1/2 M	1146	1147	1147	1149	2 MIN	
		12' D	bottom (see profile)					
	②	4' S	1154	1155	1155	1158	2 min	
		12' D	bottom (see profile)					
	④	4 1/2 S	1158	1200	1200	1202	2 min	
		12 1/2 D	bottom (see profile)					
	③	3 1/2 S	1201	203	1203	1205	2 min	
		12 D	bottom (see profile)					

REMARKS

dry + tested as per plan; holes 123 just outside wood
 294 in woods
 orange chunky loam; tan, light silty near loam

TYPE OF SOIL

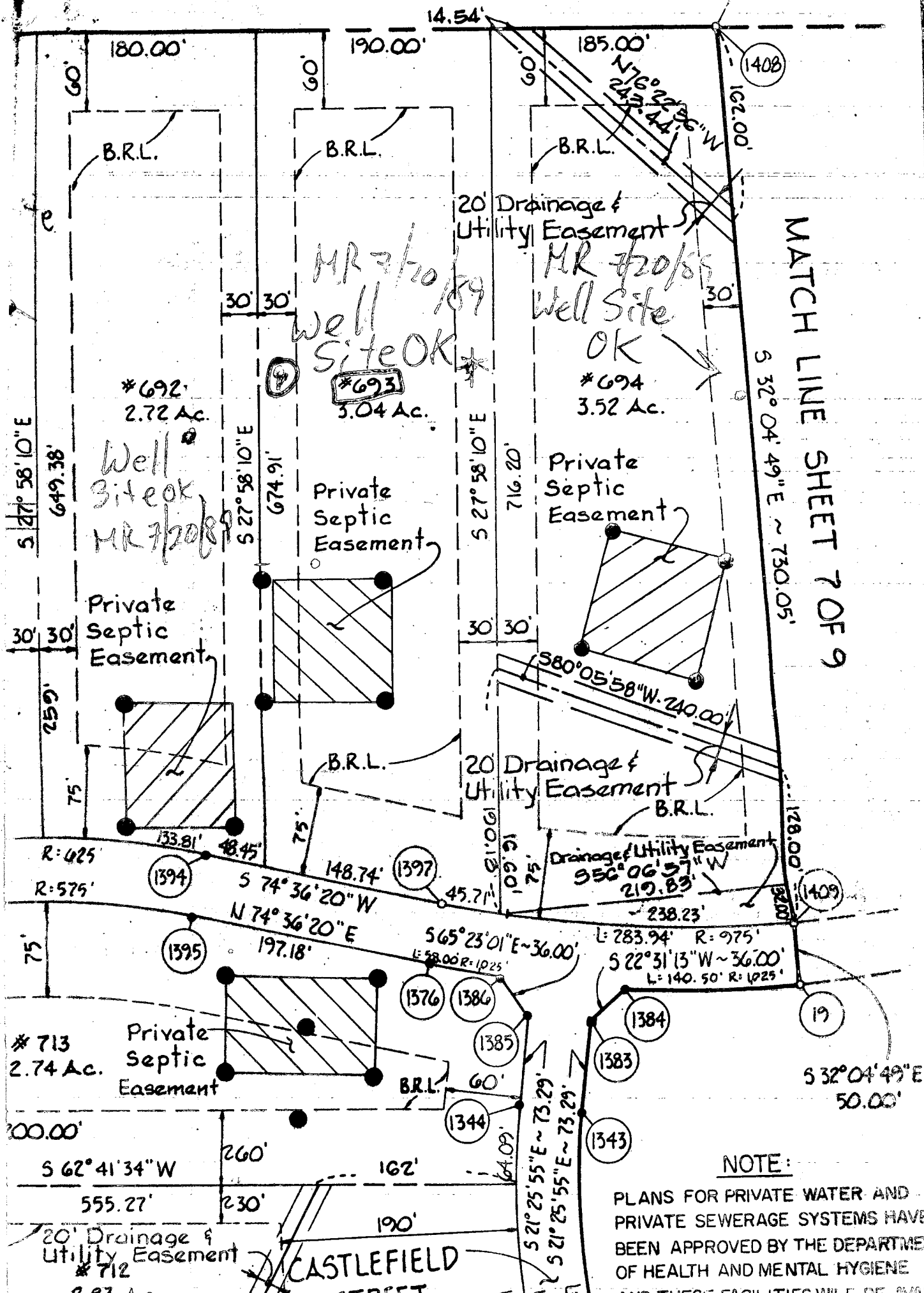
B Nypen

ALSO PRESENT

Rocky

TESTED BY

MATCH LINE SHEET 7 OF 9



NOTE:
 PLANS FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HAVE BEEN APPROVED BY THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE AND THESE FACILITIES WILL BE AVAILABLE

Arval Field

690

190 3.40 Ac

60' 30"

0 Ac

500

60'

303' 30"

420'

B.R.L.

620'

3.64 Ac

510

ROAD

100'

Existing W.D.

252'

75'

321'

692

270 Ac

30'

30'

20'

647

B.R.L.

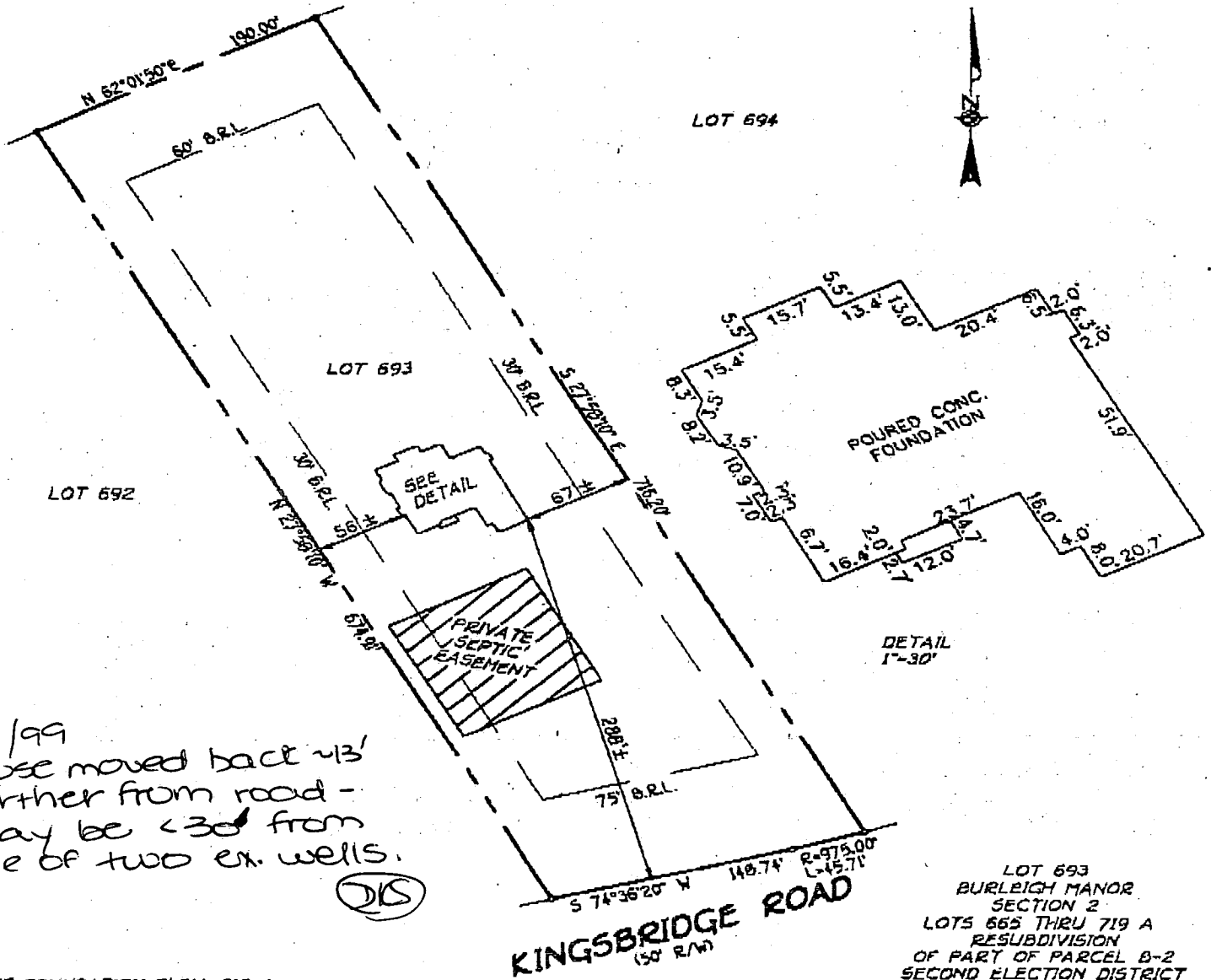
270 Ac

710'

MATCH LINE SHEET 5 & 5

GENERAL NOTES:

- 1) 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.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0023 B, EFFECTIVE DATE: DEC 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).

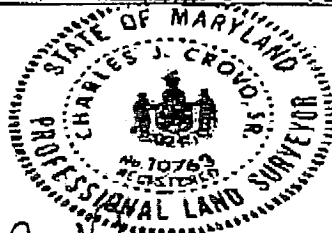


10/1/99
 house moved back ~13'
 further from road -
 may be <30' from
 one of two ex. wells.
 (JCS)

TOP OF FOUNDATION ELEV. = 519.4±
 B.R.L. - BUILDING RESTRICTION LINE

LOT 693
 BURLIGH MANOR
 SECTION 2
 LOTS 665 THRU 719 A
 RESUBDIVISION
 OF PART OF PARCEL B-2
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 PLAT REF. B318

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 1P27Z BALTIMORE NATIONAL PIKE
 GILGOTT CITY, MARYLAND 21042
 (410) 461 - 2855



Charles J. Crowl
 PROFESSIONAL LAND SURVEYOR
 REG. #10769
 DATE 9/25/99

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 9/25/99
 FINAL LOCATION:
 BOUNDARY SURVEY:

SCALE: 1"=100'
 DATE: 9/29/99
 DRAWN BY: TBF
 CHECKED BY: C.C.
 PROJECT No.: B1351

WPI
12/1/99 Late pm

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-W Ellicott Mills Drive
Ellicott City, MD 21043
461-9035

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 10-11-99

Name of Installer George Baker

Telephone 410-788-3890

License Number 2214

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner Selfridge Builders

Telephone 410-531-8950

Subdivision Barleigh Manor Lot # 693

Well Tag # HO-94-0257

Site Address 10360 Kowalski Rd.

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible

Motor

- 1. Horsepower 3/4
- 2. RPM _____
- 3. Voltage _____
 - a. 110 _____
 - b. 220

Pitless Adapter

- 1. Make Mastercraft
- 2. Model # B-10-S
- 3. Depth 48"

4. Make Mastercraft

5. Model # 31972

6. Capacity 5 GPM

7. Pump exceeds well capacity Yes _____ No

8. If Yes, is low pressure cutoff switch installed? Yes _____ No

9. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other _____

Tank

- 1. Capacity 44203
- 2. Pressure relief valve? yes

Piping

- 1. Type Plastic
- 2. Size 1"
- 3. NSF and/or BPCA Code approved
- 4. Depth of supply line 48"

Well data

- 1. Depth 432'
- 2. Yield 6 GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? _____

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).

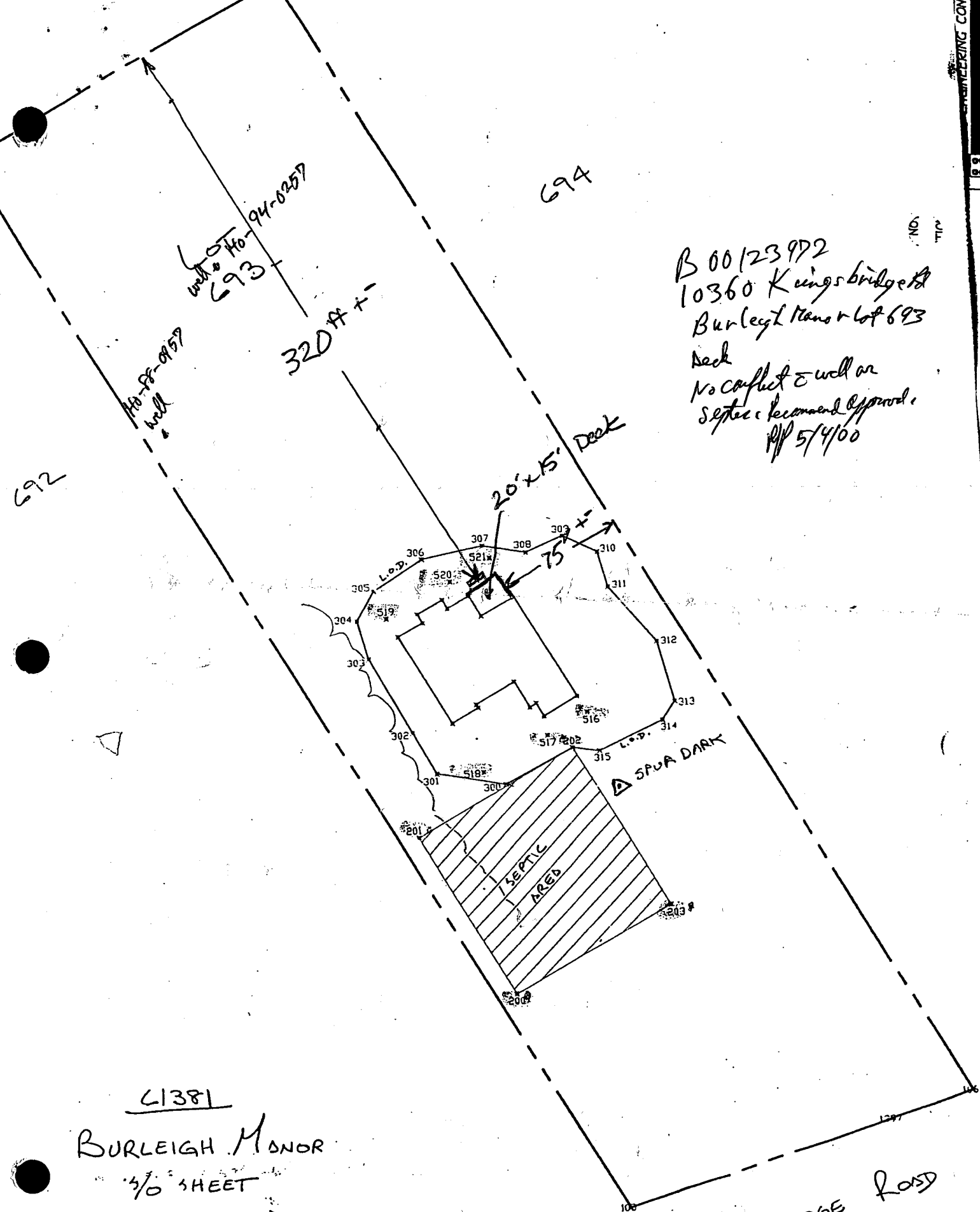
All information given above is true to the best of my knowledge.

12/1/99 WPI OK (SRK)

Signature of Applicant George Baker

Date 10-11-99

Approval stamps including approval/status of the installation will be placed on this form during or the time of the inspection.



692

Mo-98-0957
well

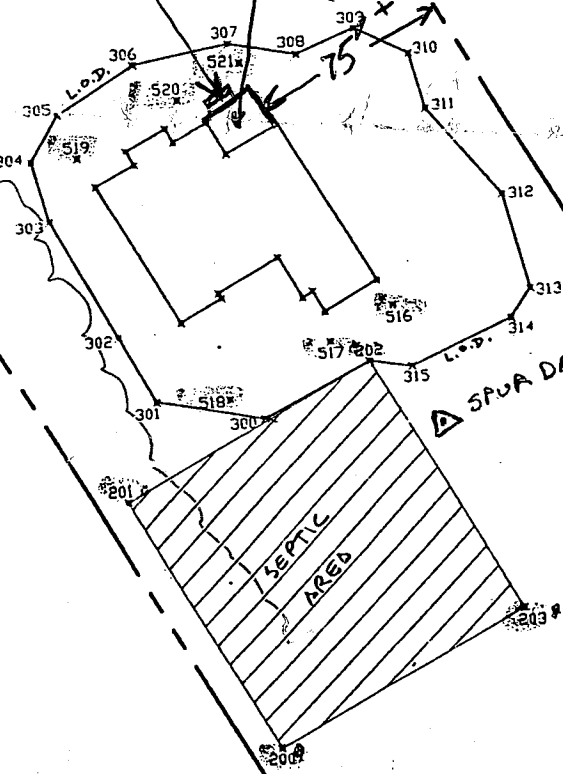
Mo-94-0257
well
693

320' +/-

694

20'x15' Deck

B 00123972
10360 Kingsbridge Rd
Burleigh Manor lot 693
Deck
No conflict to well or
septic & recommend approval.
PJP 5/4/00



41381

BURLEIGH MANOR
3/0 SHEET
(NOT TO SCALE)
06-21-99

KINGSBRIDGE ROAD

ENGINEERING CONE
 CENTENNIAL SQUARE OF PA
 ELLI
 12/10/14
 UPON RECEIVING A SIGNED COPY, ACTUAL FIELD WORK WILL BE
 STARTED.
 CLIENT _____ DATE _____

518

C1 1085

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A38525 OK 8/25/89 CW

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for ST/CO USE ONLY DATE Received

Grid for DATE WELL COMPLETED

Grid for Depth of Well

Grid for PERMIT NO.

OWNER Greenbaum & Assoc last name Ragsdale first name TOWN Elliott City SUBDIVISION RIV LEIGH MANOR SECTION LOT 493

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SANDSTONE 0 57, CONY MICH rock 57 345V

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 15 NO. OF POUNDS 1410 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 47 ft.

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT) MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 69

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT) DEPTH (nearest ft.)

SCREEN RECORD (continued) SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

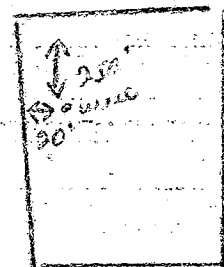
GRAVEL PACK: IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 17 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 35 WHEN PUMPING 380 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 WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



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 IDENT. NO. 238 DRILLERS SIGNATURE Joseph B. Mayne (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

Page 1 of 1
 Date 8/9/89

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0957
 Location of property (road) KINGSBRIDGE RD.
 Subdivision BURLEIGH MANOR Lot 693 Block Plat Sec. 2
 Well Driller Joseph MAYNE Owner GREENBAUM + ROSE ASS.

Depth of well 345'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 35'

High rate pumping -- reservoir drawdown

Time pump started 10:15 Pumping rate 12 gpm
 Total time 30 min. to reach pumping water level 280 ft. below M.P.

1. 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:30	155	5 sec.		12
10:45	280	5		12
11:00	280	33		12 3/4
11:15	280	33		12 3/4
11:30	280	33		12 3/4
11:45	280	33		12 3/4
12:00	279	33		12 3/4
12:15	279	33		12 3/4
12:30	279	33		12 3/4
12:45	279	33		12 3/4
1:00	280	33		12 3/4
1:15	279	33		12 3/4
1:30	279	33		12 3/4
1:45	279	33		12 3/4
2:00	279	33		12 3/4
2:15	279	33		12 3/4
2:30	279	33		12 3/4
2:45	279	33		12 3/4
3:00	279	33		12 3/4
3:15	279	33		12 3/4
3:30	279	33		12 3/4
3:45	279	33		12 3/4
4:00	279	33		12 3/4
4:15	279	33		12 3/4
4:30	279	33		12 3/4
4:45	279	33		12 3/4

B 1 **5664** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

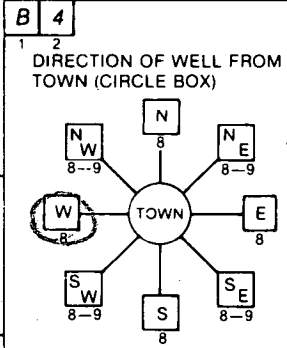
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HD-88-0957
 fill in this form completely

Date Received (APA) **052359**
 OWNER INFORMATION
GREENEBAUM ROSS ASS.
1777 REISTERSTOWN RD.
BALTIMORE MD 21208

B 3 LOCATION OF WELL
HOWARD COUNTY
BURLEIGH MANOR SUBDIVISION
 SECTION **2** LOT **693**
ELLICOTT CITY NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **3.2** MI

DRILLER INFORMATION
Joseph L. Mayne License No. **238**
Joseph L. Mayne Well Drilling Firm Name
5512 Ritten Rd. Mt. Airy 21771 Address
Joseph L. Mayne Signature Date **5/22/89**



Kingbridge Rd. NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH, WEST, SOUTH, EAST
 DISTANCE FROM ROAD **420**
 ENTER FT or MI **FT**

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A38525 COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **080289**
Mark E. Riffin CO SIGNATURE EXPI. DATE **2/2/90**
 NORTH GRID **520000** EAST GRID **083500**

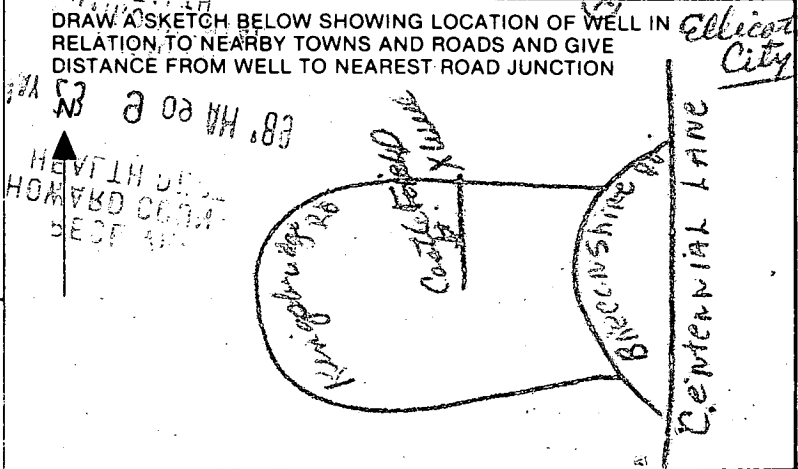
APPROXIMATE DEPTH OF WELL **300** FEET

APPROXIMATE DIAMETER OF WELL **6** 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 _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
8/9/89 NO WSP
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
8325

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
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **MR** INITIALS IN BOX PERMIT No. **HD-88-0957**

SPECIAL CONDITIONS
 COUNTY _____



HOWARD COUNTY HEALTH DEPARTMENT

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

May 15, 2000

Doug Barnes
10360 Kingsbridge Road
Ellicott City, MD 21042

RE: Standby Well Policy
Well Permit # HO-88-0957
10360 Kingsbridge Road

Dear Mr. Barnes:

On December 1, 1999, a well line inspection was conducted and approved for the well currently connected to your house (Well Permit # HO-94-0257). At that time, it was also discovered that another older well (Well Permit # HO-88-0957) was also located on your property. This older well was the first one to be drilled on the property in order to establish the lot's water supply. Our records indicate that this older well was reported by the well driller to yield 1 $\frac{3}{4}$ gallons per minute at the time it was yield tested in August of 1989.

On December 12, 1994, it was reported that the drilling and construction of a replacement well (HO-94-0257) had been completed on the property. This well, the one currently serving your house, was yield tested in December 1994 and at that time it was reported to yield approximately 6 gallons per minute. When this replacement well permit was issued, a condition of the well permit was that the original well (HO-88-0957) was to be used as a standby supply.

In order to properly maintain a well as a standby supply and to prevent the possibility of future groundwater contamination, a well designated as a standby should be connected to the house and sampled for potability requirements. Therefore, this office requests that you make arrangements to have this well connected to your house by an appropriate licensed contractor (Well Driller, Registered Plumber or Pump Installer) as soon as possible. **The contractor is responsible for scheduling an inspection request with this office once the work is ready for inspection.**

Once the well is connected to the dwelling and an inspection has been conducted and approved, this office suggests that you contact our Community Environmental Health Services Program at (410) 313-1773 to schedule an initial water sampling for the referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). It is preferred that the sample be collected from an indoor tap, but if suitable scheduling is not completed, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment

Bureau of Environmental Health

3525-H Ellicott Mills Drive • Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-1771 Community Environmental Health Program (410) 313-1773
Director (410) 313-2640 TDD(410) 313-2323 TOLL FREE - 1-877-4MD-DHMH



HOWARD COUNTY HEALTH DEPARTMENT

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

If you do not intend to keep this well as a standby supply, it must be properly abandoned and sealed to prevent the possibility of groundwater contamination. This well abandonment process can best be accomplished by a licensed well driller, who may perform the work without inspection; however, the driller must then file an abandonment report with this office. **If this well abandonment is performed by any other party, the materials and procedures must be inspected and approved by a sanitarian from this office before any work is initiated.**

If you have any questions, please call me directly at (410) 313-2669. Thank you for your attention to these important matters.

Respectfully,

Steven R. Krieg
Steven R. Krieg, Sanitarian
Water and Sewerage Program

SRK

cc: Community Environmental Health Program ✓
File

2/1/01 - Spoke to Mrs. Barnes about stanby well.
OK to allow well to be designated as a standby supply
without connection requirements at this time. - (SRK/ED)
She reiterated that Health Department would be contacted
if status regarding ^{standby} well changes or if abandonment and sealing
is contemplated.

Issues in this letter are considered resolved at this time
Steven R. Krieg

C1 5923

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED

(THIS NUMBER IS TO BE PUNCHED IN COLS. 9-13 ON ALL CARDS)

COUNTY NUMBER A# 38525

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED grid: 121294

Depth of Well grid: 430

PERMIT NO grid: H0-94-0257

OWNER GREENEBAUM + ROSE ASSOC. STREET OR RFD KINGSBIDGE ROAD TOWN ELLICOTT CITY SUBDIVISION THE PRESERVE AT BURLINGHAM SECTION 2 LOT 693

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 (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include DIRT, RED CLAY, SOFT BR. MICA & SAND, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 16 NO. OF POUNDS 1504

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE S T Nominal diameter top (main) casing (nearest inch) 6 4 Total depth of main casing (nearest foot) 6 4

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

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

BR. GRAVEL BED & BLK. SANDSTONE IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED.

WELL HYDROFRACTURED yes (Y) no (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 IDENT. NO. 296 RONALD KYKER

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Ronald Kyker

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

DEPTH (nearest ft.) grid: 430, 64. SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) grid: 56 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 Q LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 6 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 38 WHEN PUMPING 191 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) THE PRESERVE Well Centennial Lane

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-0257
 Location of property (road) KINGSBRIDGE ROAD
 Subdivision TNE PRESERVE AT P.M. Lot 693 Block - Plat - Sec. 2
 Well Driller R. KYKER Owner GREENEBAUM & ROSE ASSOC

Depth of well 430 feet
 Distance of measuring point (M.P.) above ground 2 feet
 Static water level (S.W.L.) below M.P. 38 feet

I. High rate pumping -- reservoir drawdown

Time pump started 9:15am Pumping rate 6 gpm
 Total time 3hrs to reach pumping water level 191 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 X 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:15	38'	5 sec.		12
9:30	79'	5 sec.		12
9:45	113'	6 sec.		10
10:00	139'	6 sec.		10
10:15	161'	6 sec.		10
10:30	178'	7 sec.		8.5
10:45	191'	7 sec.		8.5
11:00	201'	7 sec.		8.5
11:15	206'	10 sec.		6
11:30	204'	10 sec.		6
11:45	202'	10 sec.		6
12:00	200'	10 sec.		6
12:15	199'	10 sec.		6
12:30	198'	10 sec.		6
12:45	197'	10 sec.		6
1:00	196'	10 sec.		6
1:15	195'	10 sec.		6
1:30	194'	10 sec.		6
1:45	193'	10 sec.		6
2:00	192'	10 sec.		6
2:15	191'	10 sec.		6