

1/26/98
10:30 C.O.
3:00

Tap ID - 02-339943

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 59328

A 39752

DISTRICT 2nd

DATE 1-22-98

DATE SYSTEM APPROVED 1/26/98

INSPECTOR KM

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

William H. Smith Jr. IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 330 Forrest Hill, Md 21050 PHONE 410-879-7641

SUBDIVISION Burleigh Manor LOT 759 762 ROAD 10311 Castelfield Street

PROPERTY OWNER Dilip Arwindekar

ADDRESS 10121 Cape Ann Drive, Columbia Md 21046

SEPTIC TANK CAPACITY 2000 GALLONS

NUMBER OF BEDROOMS 6

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 216

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Beginning from the left front lot corner, place the distribution box 190 feet down the left (617.94') lot line, and 95 feet off that same lot line as seen when facing the lot from Castlefield Drive. Run first trench to the left, then run trenches in both directions.

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

PLANS APPROVED BY Kim Maiste/Donna K. Soe *OK 8/21/97* REVISED DATE 08/19/97

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

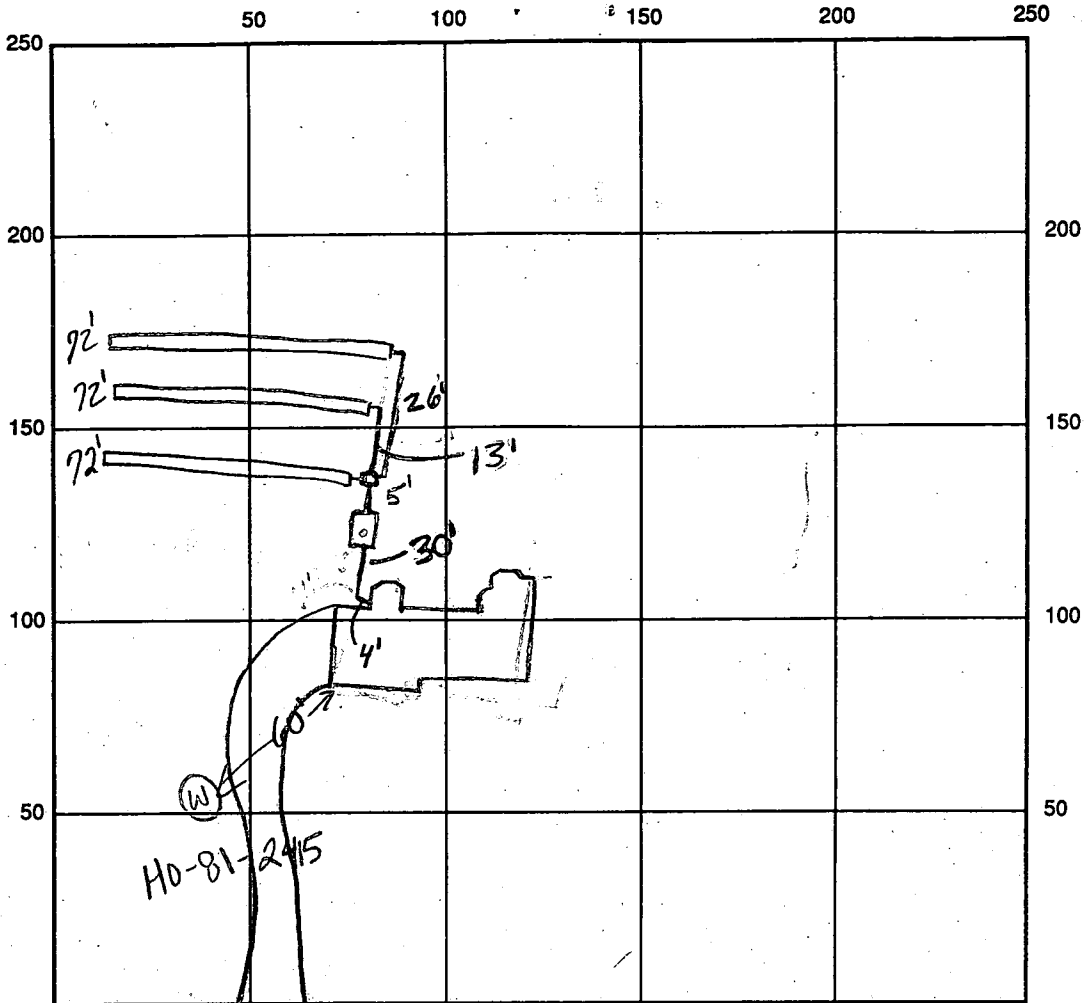
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK, 2000 gallons CLEANOUTS 1 on tank
 DISTRIBUTION BOX LEVEL OK
 DRAIN FIELD/TITLE DEPTH 8.0 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.0 FT.
 EFFECTIVE GRAVEL DEPTH 5.0 FT. TOTAL LENGTH 72 x 3 FT. → 216
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 1080 SQ. FT.
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA SQ. FT.

REMARKS: 1/26/98 WPI - P.A. 5.0' below grade, has 2 piece cap
(am) OK to continue on trenches and to stone leaving ends open (am)
(pm) casing just 8" above grade, final grade will be lower per installer (Mr. Smith)
has house connection, OK to finish stoning last trenches and cover, distribution box
according to specs per installer (Mr. Smith) (am)

DATE SYSTEM APPROVED 1/26/98 INSPECTOR Kimberly Maister



September 16, 1997

Ms. Nan Monte, Supervisor
 Bureau of Environmental Health
 3025 Wilcott Mills Drive Suite M
 Belton City, Maryland 21043

18 10311 Castlefield Street
 Lot 767, Section Two, Surlough Manor
 Recorded plat book #10133
 Building Permit # B00107123
 Hagan & Hamilton, Custom Builder.

Dear Ms. Monte,

Due to the fact that we have been requested to set the proposed home on the reference property to a set back of 100' from the right-of-way line of Castlefield Street rather than the 75' as approved, we would respectfully request that we be allowed to move the Sewage Drainage Area further down the hill as shown on the attached Exhibit "A" enclosed herewith.

Since this request to change the location of the proposed home was made on the eve of the day we were to start construction, and since our clients have a limited time on their construction loan, we would be most appreciative of your immediate response to this matter.

Sincerely,

Carol Hagan, L.S.
 Vice President

enc: Exhibit "A"
 Building Permit # B00107123

copy: Dr. Dilip Arvindkar, Owner.
 Dr. Aruna Arvindkar, Owner.





HOWARD COUNTY HEALTH DEPARTMENT

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

September 18, 1997

Mr. Carroll Hagan
Hagan and Hamilton
20 East Timonium Road
Suite 100
Timonium, Maryland 21093-3455

RE: 10311 Castlefield Street
Lot 762, Section 2, Burleigh Manor
Building Permit # B00107123

Dear Mr. Hagan:

This is in response to your inquiry of September 16, 1997, directed to sanitarian Kimberly Maiste, for the above referenced property. We have previously accepted a "paper adjustment" from the recorded plat as far downhill as judgement would suggest is reasonable. Any further adjustment of the septic area would require evaluation by percolation testing.

As discussed, we have tentatively reserved a percolation test date of Monday, September 22, at 1:30, assuming prompt submittal of test fee and test application, if you wish to proceed.

Thank you for your cooperation in this matter.

Very truly yours,

Craig Williams

Craig Williams, Program Director
Water and Sewerage Program

KM: CW/km

cc: file

TEST DATE OK - APPLICATION, FEE, PLAN
RECEIVED LATER THIS DATE.

9/18/97

BY ISSUED,
WILL NEED REVISION
IF OK

(CW)

9/23/97
forwarded to
Mr. Hagan
10:05 (DKS)



HOWARD COUNTY HEALTH DEPARTMENT

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

September 23, 1997

MEMORANDUM

TO: Mr. Carroll Hagan
Hagan & Hamilton
20 E. Timonium Road, Suite 100
Timonium, Maryland 21093-3455

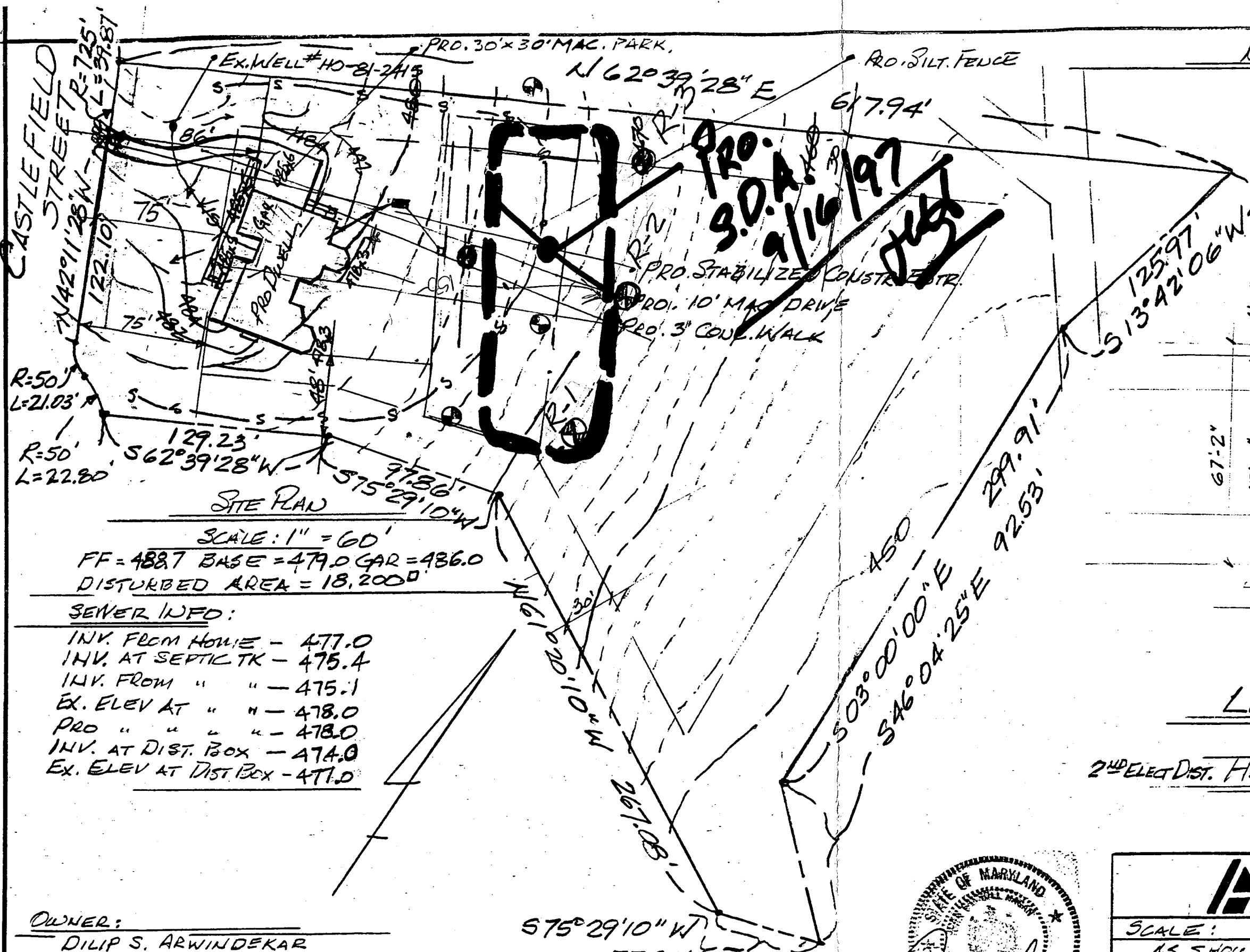
FROM: Donna K. Soe, R.S.
Water and Sewerage Program (DKS)

RE: Burleigh Manor - Lot 762
10311 Castlefield Street
Building Permit #B00107123

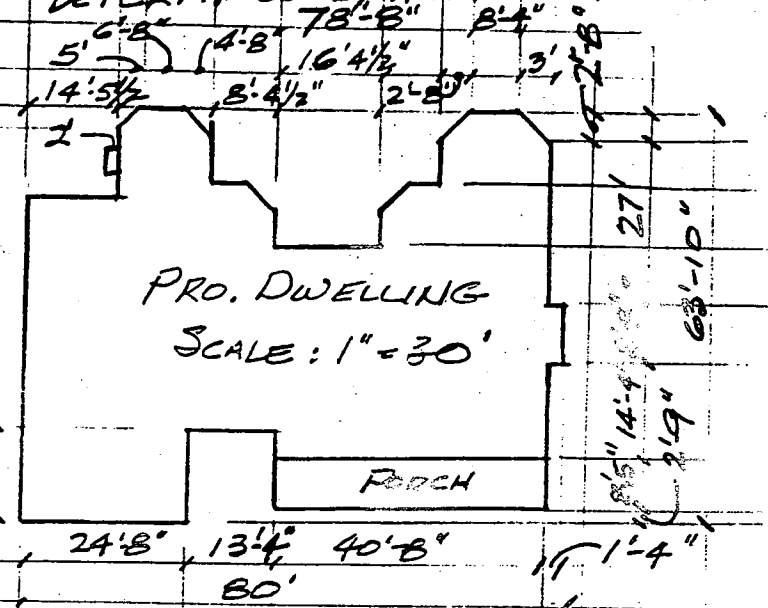
Percolation testing conducted September 22, 1997, on the above referenced property for the purpose of accommodating house location change was unsuccessful. Soil conditions of the test holes indicated uncertain water table fluctuations. If unapprovable soil conditions are encountered in the wet season, Spring 1998, then the percolation test for septic area relocation fail.

If you have any questions or concerns relative to this matter, please do not hesitate to call me at (410) 313-2640.

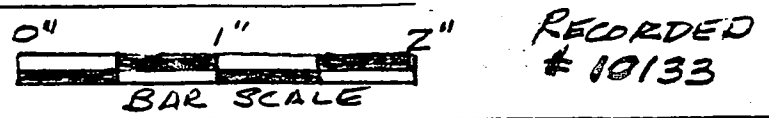
DKS
cc: Mr. Dilip Arwindekar
file



NOTES: GRADING AROUND HOUSE MAY VARY DUE TO FIELD CONDITIONS.
 NO CONSTR, STOCK PILING OF REFUSE OR EXCESS MATERIAL SHALL BE BURIED IN SEPTIC TRENCH.
 EX. WELL LOCATED BY DRILLER #232 INSTALL SED. CONT. AS REQ BY SITE INSPECTOR.
 PILE EXCAVATED MAT. ON HIGHSIDE OF TRENCH WHEN INSTALL SEPTIC FIELD. LENGTH OF SEPTIC TRENCH TO BE DETERMINED BY HOWARD CO HEALTH DEPT.



SITE PLAN OF LOT 762 - BURLEIGH MANOR SECTION TWO (LOTS 761 & 762) 2ND ELECT DIST. HOWARD COUNTY, MD.



HAGAN & HAMILTON		
SCALE: AS SHOWN	3.303 AC ±	DRAWN BY: JCH
N°10311 CASTLEFIELD ST.		S-590
DATE: 7/25/97		

SITE PLAN
 SCALE: 1" = 60'
 FF = 488.7 BASE = 479.0 GAR = 486.0
 DISTURBED AREA = 18,200

SEWER INFO:
 INV. FROM HOUSE - 477.0
 INV. AT SEPTIC TK - 475.4
 INV. FROM " " - 475.1
 EX. ELEV AT " " - 478.0
 PRO " " " - 478.0
 INV. AT DIST. BOX - 474.0
 EX. ELEV AT DIST. BOX - 471.0

OWNER:
 DILIP S. ARWINDEKAR
 ARUNA D. ARWINDEKAR
 10121 CAPE ANN DRIVE
 COLUMBIA, MD. 20446
 410-740-4176

8/18/97 - SEPTIC SYSTEM - JCH
 8/1/97 - REV. BOUNDARY - JCH
 7/30/97 - REV. HOUSE # & STREET - JCH



APPLICATION

PERCOLATION TESTING

A 58981

P _____

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

PREVIEW OK
ATTEMPT TO
RELOCATE
SEPTIC AREA
DOWNSLOPE TO
ENHANCE HOUSE SITE.

DISTRICT _____

DATE 9-18-97

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 Dilip Arwindekar

ADDRESS 10121 Cape Ann Dr ^{Columbia} PHONE 410-740-4176

AGENT OR PROSPECTIVE BUYER ~~Same~~ HAMILTON & HAGAN

ADDRESS 20 E TIMONUM RD SUITE 100 PHONE 410-561-1004
TIMONUM MD 21093

PROPERTY LOCATION:

SUBDIVISION Barleigh Manor LOT NO. 762

ROAD AND DESCRIPTION 10311 Castlefield St

TAX MAP 23 PARCEL # 61

SIZE OF LOT 3.303 ac[±] 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. BS, Inc. - Call Call - agent for owner
(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

58981
COUNTY #

SOIL PROFILE

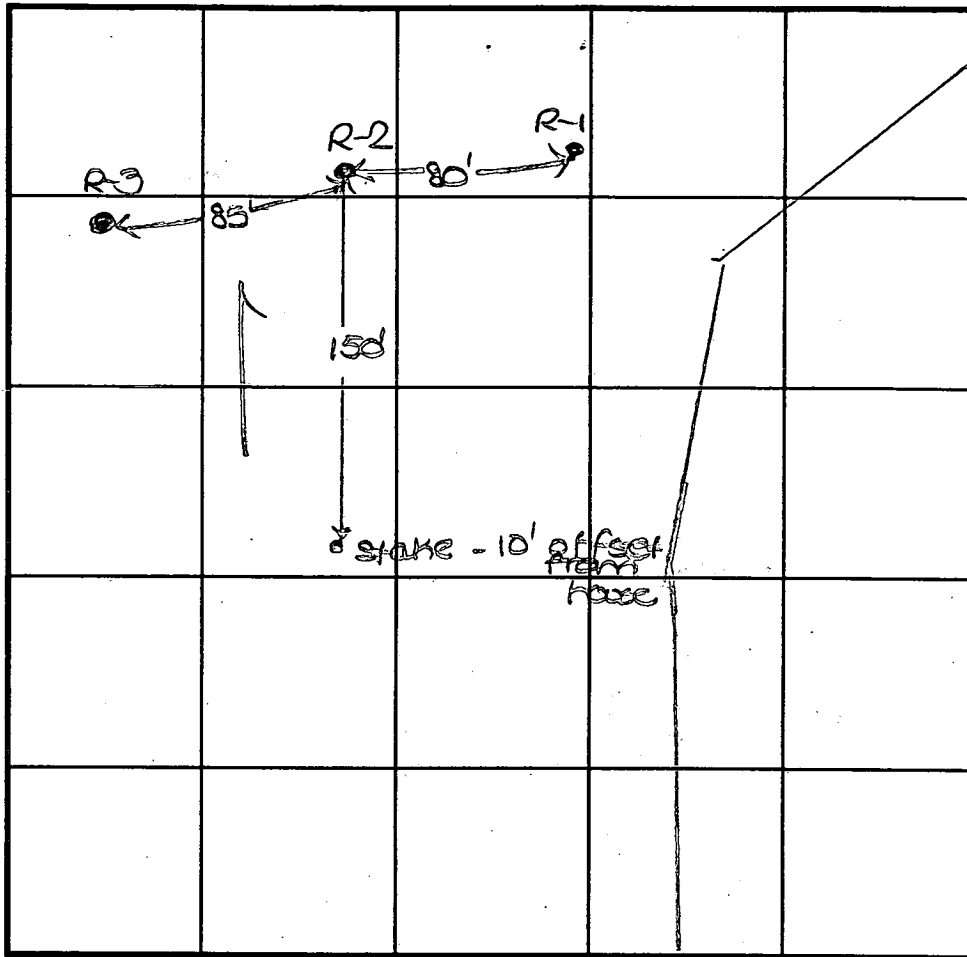
0' (R1)
1' topsoil
4' org brn c l m
14' 14 org brn to tan sa si l m
10' 19 patches white decayed feldspar (moist)
13'

(R2)

0' topsoil
1' red brn c l m w med rock frags
5' med org brn to med brn sa si l m
10' patches white moist decayed feldspar
13'

(R3)

0' topsoil
1' org brn c l m
3' pale org brn to beige sa si l m
10.5' dk grey sa si l m w soft rock frag (mottled?)
13'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Cashfield Street

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-23-97	R1	13.0'D	Evidence of		H ₂ O table > 10'		HOLD
	R2	13.0'D	"	"	"	"	HOLD
	R3	4.0'S	1:45 ₃	1:49 ₃	1:49 ₃	1:58	9
		13.0'D	Visual				HOLD

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Soe ALSO PRESENT C. Hagan, owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A 39752

P _____

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

DISTRICT _____

DATE 4/23/87

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.

PROPERTY OWNER Dilip Arwindekar
Gerald M. Katz, Trustee c/o Whitman, Regardt and Associates

ADDRESS 2315 St. Paul Street, Baltimore, Md. 21218 (301) 235-3450

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. 27 205 759

ROAD AND DESCRIPTION West of the intersection of Centennial Lane & Old Annapolis Road
(10311 Castlefield Street)

TAX MAP 23, 24 PARCEL # 290

BLDG. PERMIT SIGNED

AND RETURNED 8-19-97

Serial # B1070 7123 - vbm

SIZE OF LOT 3 AC. 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. [Signature] (301) 484-8400
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

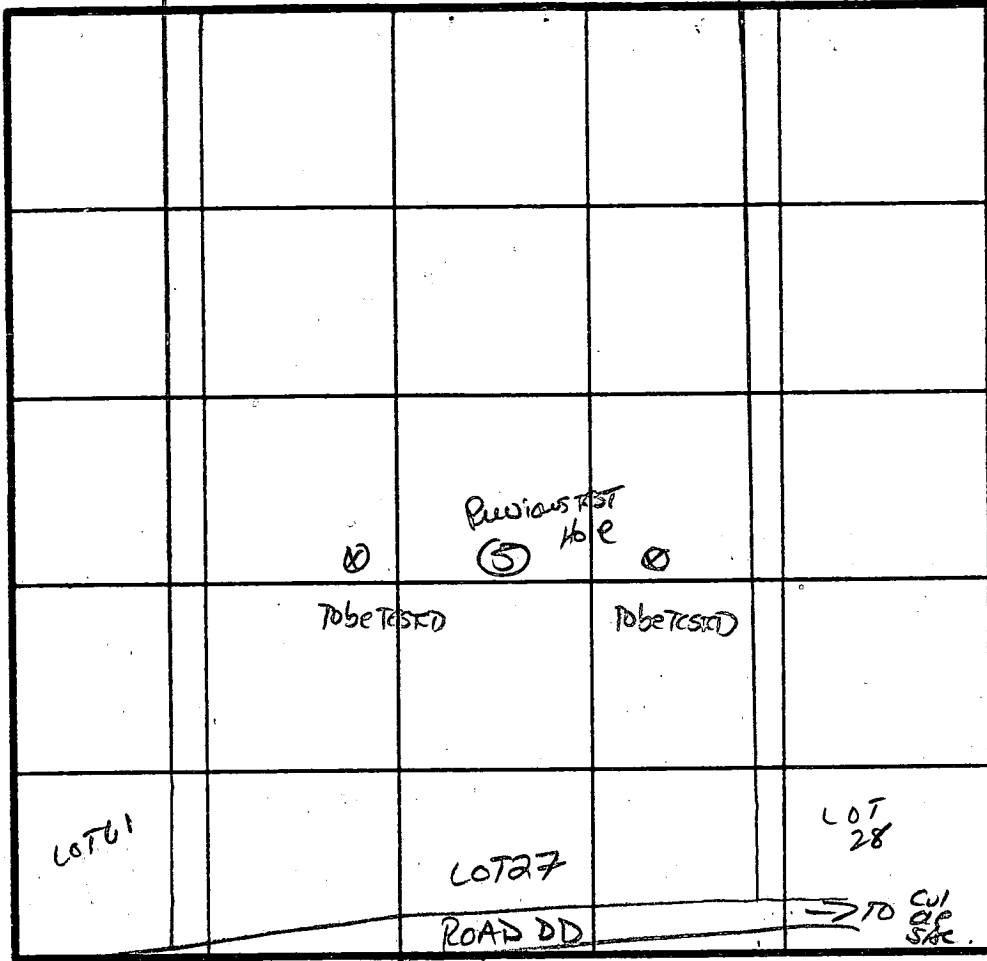
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/14/87 Rec. provisionally ok - no further testing required & etc

THIS IS NOT A PERMIT

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
			NO TESTING required 5 TH		hole NOT			
			PICKED UP ON PREVIOUS					
			PLAT. 5 TH					

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH 12-1079

APPLICATION

PERCOLATION TESTING

A 38535
P _____

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

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.

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

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

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. 21 205 759

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 Ac. 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes & sub: plot

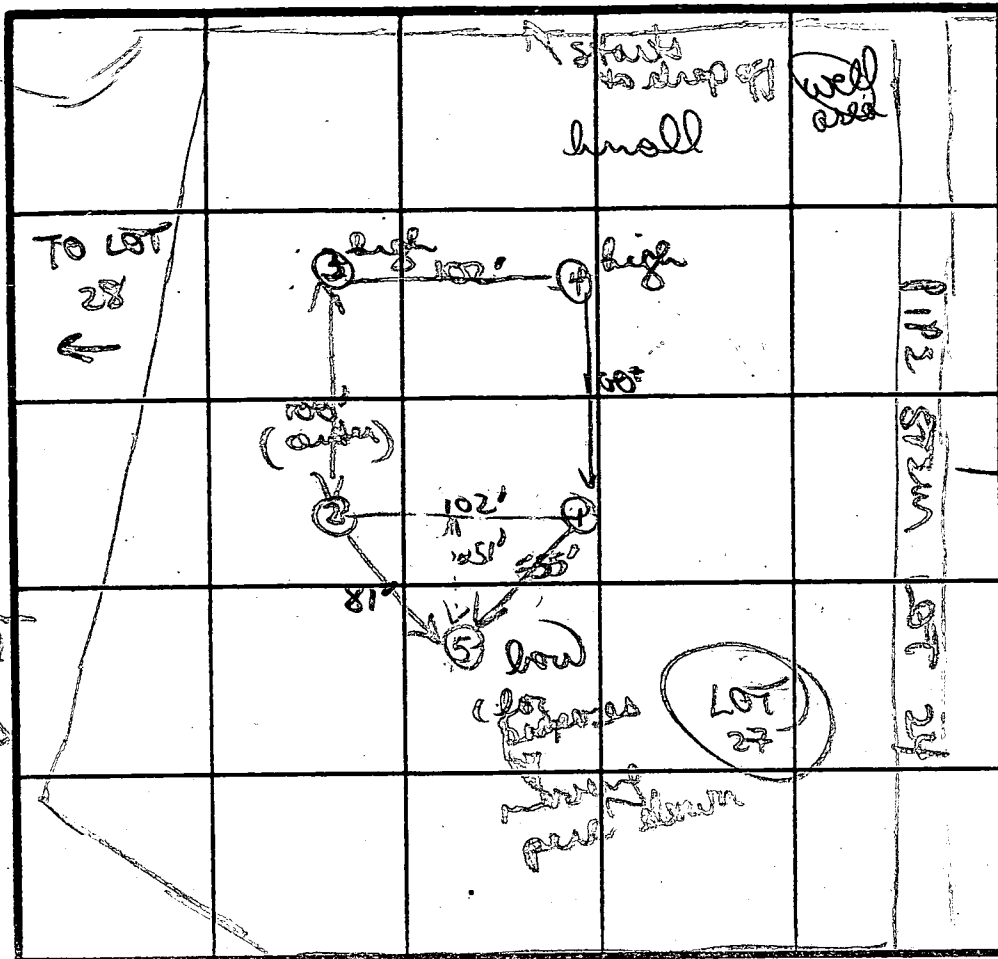
see over @ optional perc field only.

THIS IS NOT A PERMIT

X 3 min
 3 1/2 - 8'
 174 1/2 / 60

① ②
 SOIL PROFILE

orange/brown clay
 2 1/2'
 to clay
 silt 3 1/2'
 to mostly
 grey silty
 mica
 67% - all
 silt
 silt
 12 1/2'



LOT 26
 →
 LOT 25
 →

⑤
 orange/brown
 clay low
 3'
 to
 tan silty
 mica
 low

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASELINE
 TO LOT 24 ↓

Brown orange
 clay low
 2 1/2'
 to mostly
 grey fine
 silty mica
 w/ patches
 white gravelly
 mica silt
 ↓
 12' D

Brown/orange
 clay
 3'
 to tan grey
 silty mica
 low
 w/ patches
 light
 silty gravelly
 silt
 13' D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/18/87	①	3 1/2'	1131	1133	1133	1136	3 MIN	
		12 1/2'	bottom (see profile)					
	②	4' 5"	1133	1134	1134	1136	2 MIN	
		12 1/2'	bottom (see profile)					
	③	VISURE ONLY						
		12' D	(see profile)					
	④	3 1/2' S	1137	1138	1138	1141	3 MIN	
		8' m	1137	1138	1138	1140	2 MIN	
		13' D	bottom (see profile)					
	⑤	VISURE ONLY 13' D sep						

REMARKS: Added extra hole lower to shift perc lower to allow more area for well sets

TYPE OF SOIL: uniform (brown/orange clay 3') to tan grey silty mica low w/ patches light silty gravelly silt

TESTED BY: B Wilson

ALSO PRESENT: perky

↓
 13' D

F-92-31

708

Copy of signed plat returned

lot 706
Now lot 758

10' Drainage and Utility Easement

Area to be Conveyed by G&R Development Corp. to Ghostagore 0.29 Ac.
Private Septic Easement

Area to be Conveyed to G&R Development Corporation by Ghostagore 0.29 Ac.

LOT 706
8.55 Ac.

LOT 758
7.82 Acres

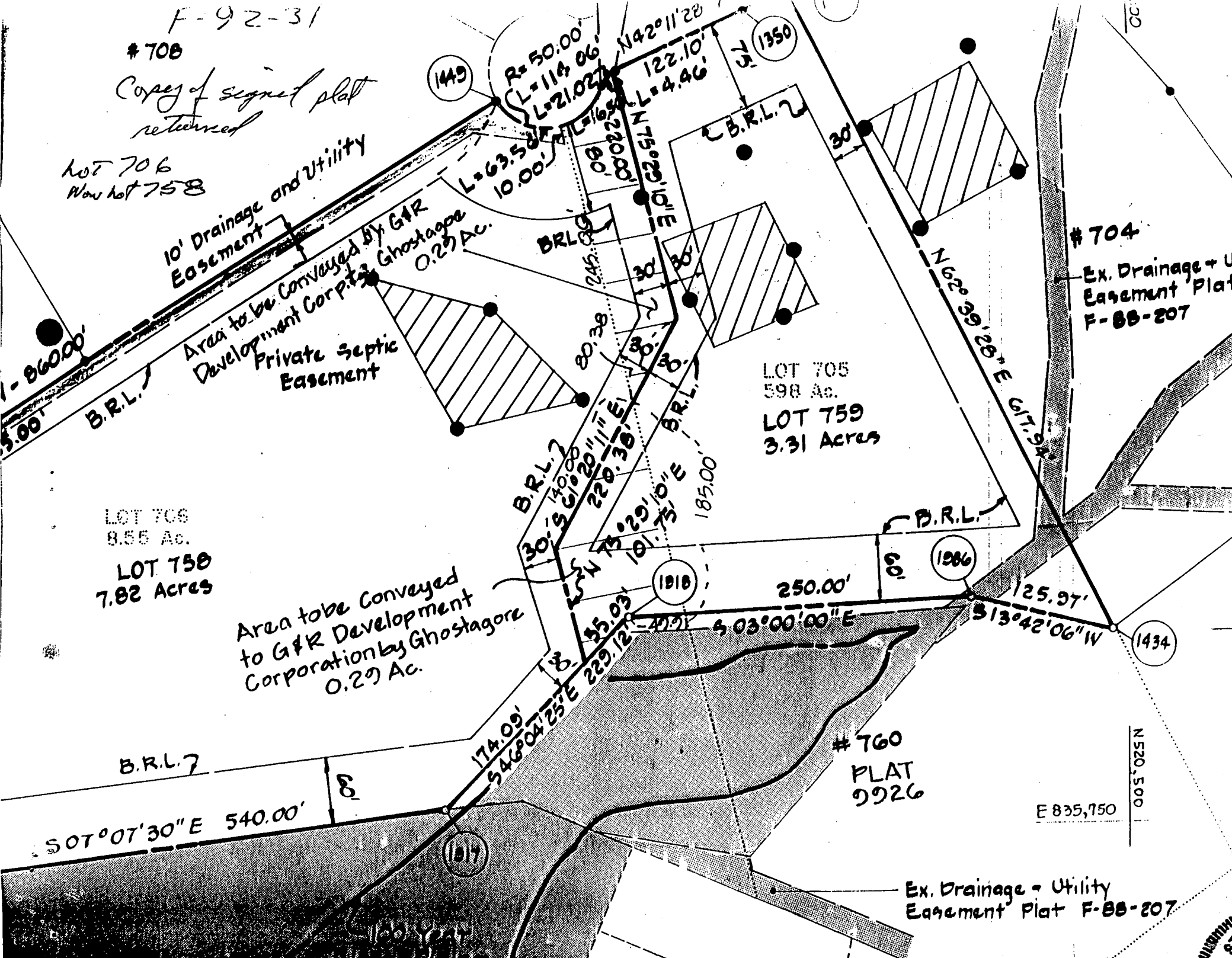
LOT 705
598 Ac.
LOT 759
3.31 Acres

704

Ex. Drainage + Ut Easement Plat F-88-207

760
PLAT
9926

Ex. Drainage + Utility Easement Plat F-88-207



C1 2036 SEQUENCE NO. (OEP USE ONLY)
 1 2 3 4 5 6
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **A 39752**

DATE RECEIVED: [] [] [] [] [] [] DATE WELL COMPLETED: **11/20/80** (15 20)
 Depth of Well: **185** (TO NEAREST FOOT) (22 26)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": **HO-81-2415** (28 29 30 31 32 33 34 35 36 37)

OWNER: **ASSOCIATES** **WHITMAN REQUARDT**
 STREET OR RFD: **CASFIELD STREET** first name TOWN: **SULLICOTT CITY**
 SUBDIVISION: **BURRIS MANOR** SECTION: **2** LOT: **27 205 759**

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		Check if water bearing
	FROM	TO	
SAND	0	57	
GRAY MICACIOUS	57	185	
Shack			

HOWARD COUNTY HEALTH DEPT. SULLICOTT CITY MD.
 DEC 3 9 30 AM '80

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL: CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS: **112** NO. OF POUNDS: **1128**
 GALLONS OF WATER: **72**
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **185** ft. (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below: **ST** **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE: **ST** Nominal diameter: **6** Total depth of main casing: **183**

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**
 STEEL BRASS OPEN HOLE PLASTIC OTHER

C2

EACH SCREEN	DEPTH (nearest ft)	
	1	2
1	HO	185
2	[]	[]
3	[]	[]

SLOT SIZE: **2** **3**
 DIAMETER OF SCREEN: [] (NEAREST INCH) (56 60)

C3

PUMPING TEST
 HOURS PUMPED (nearest hour): **3**
 PUMPING RATE (gal. per min. to nearest gal.): **10**
 METHOD USED TO MEASURE PUMPING RATE: **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING: **40** WHEN PUMPING: **40**
 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 (CIRCLE) (YES OR NO) 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: **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 **2** (nearest foot) (49 51)

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

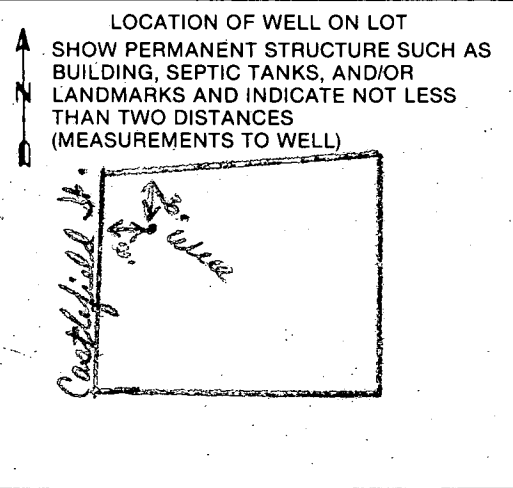
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. **238**
 DRILLERS SIGNATURE: *Joseph Mangione*
 (MUST MATCH SIGNATURE ON APPLICATION)

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

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

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



Heath

B 7 9376 SEQUENCE NO. (OEP USE ONLY)
2 3 6
(THIS NUMBER IS TO BE PUNCHED IN CQLS. 3-6 ON ALL CARDS)

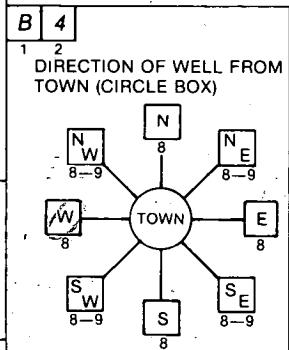
STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
HO-81-2415
fill in this form completely

Date Received 11/19/87
OWNER INFORMATION
Whitman, Richard H
15 Last Name 34 Owner First Name
Leissner, Paul Street
36 Street or RFD 55
Baltimore MD 21217
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
8 COUNTY 21
Burlingame Drucker
23 SUBDIVISION 42
SECTION 2 LOT 755 759
44 46 48 50
Elliecott City
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 3 1/2 MI
73 76 77 78

DRILLER INFORMATION
Joseph E. Morgan
238
77 License No. 80
Joseph E. Morgan Well Drilling
5512 Ridge Rd. Mt. Airy, Md. 21771
Address
Joseph E. Morgan 11/29/87
Signature Date



Castlefield Street
11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 32 EAST E
SOUTH S
20
34 37
DISTANCE FROM ROAD
ENTER FT or MI FT
38 39

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

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 A 39752 COUNTY NO.
OEP SIGNATURE STATE HEALTH INSERT S
DATE ISSUED 11/19/88 R Nylon 05/13/88
43 46 CO SIGNATURE EXP. DATE
NORTH GRID 520000 EAST GRID 0826000
50 55 57 63

APPROXIMATE DEPTH OF WELL 240 FEET
24 28

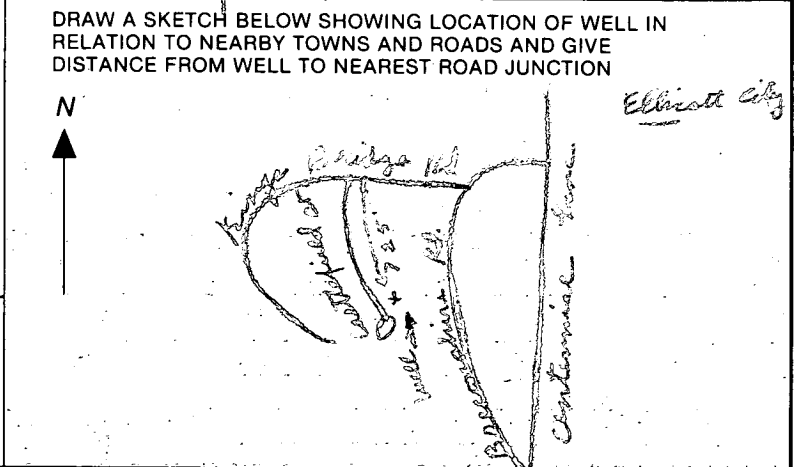
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
37 CABLE REVerse-ROTary Drive-POINT
other

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 836
N 520

11/19/87
63" Pipe
40' O.P.E.D.
12 BAGS CEMENT
LOCATION OK.
SAH

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
 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 (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP
54 63
FORCE 20 WRITE INITIALS IN BOX PERMIT NO. HO-81-2415
67-68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS NEEDED FOR PRELIMINARY PLAT APPROVAL



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 11, 2008

Mr. and Mrs. Dilip Arwindekar
10311 Castlefield St.
Ellicott City, MD 21042

RE: 10311 Castlefield St.

Dear Mr. and Mrs. Arwindekar:

Testing was performed on June 17, 2008 and samples submitted to the Department of Health and Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in your well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of the County. In turn, this information can be used to determine if additional testing and/or the need for treatment to address this concern is necessary.

Results from this screening revealed a **Gross Alpha** of 4.0 ± 1.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 6.0 ± 2.0 pCi/L. The **Gross Alpha** result was below the **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its targeted value of 50 pCi/L (roughly equal to the **annual dose rate** of 4 millirems/year). At the time of testing and with respect to these parameters, your well water supply is safe for all uses.

A copy of the test results is enclosed for your information. Please call this office at (410) 313 - 1773 if you have any further questions.

Sincerely,

A handwritten signature in black ink that reads 'Bert Nixon'.

Bert Nixon, Director
Bureau of Environmental Health

cc: Barry Glotfelty, MDE, Water Mgmt.
✓ Well & Septic File

Send Report To:

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
RADIATION LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

#02-339943
awwmskac
Delip. & Auma
E.C. 21042

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HW-10311-17 No. B: _____ Field Blank Bottle No. A: _____ No. B: _____

Plant/Site Name: 10311 Carlefield St. County: Howard

Sample Source: AWWMSKAC Location: Bladder Sink
(well no., lab sink, sample tap, etc.)

County: Plant No.

CHECK (one per box)

Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input checked="" type="checkbox"/>		Special <input type="checkbox"/>

Collector: [Signature] Telephone No: 410 313 4259

Date Collected: 4/17/08 Time Collected: 10:00 a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: 76.6 0.0
pH Chlorine

Remarks: AWWMSKAC & 1/0 @ Sink

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	2741	4 ± 1	06/19/08
✓	Gross Beta	4100	2741	6 ± 2	"
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank A	4004			
	Field Blank B	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Date Received: 06/19/08
Supervisor: S. Wise

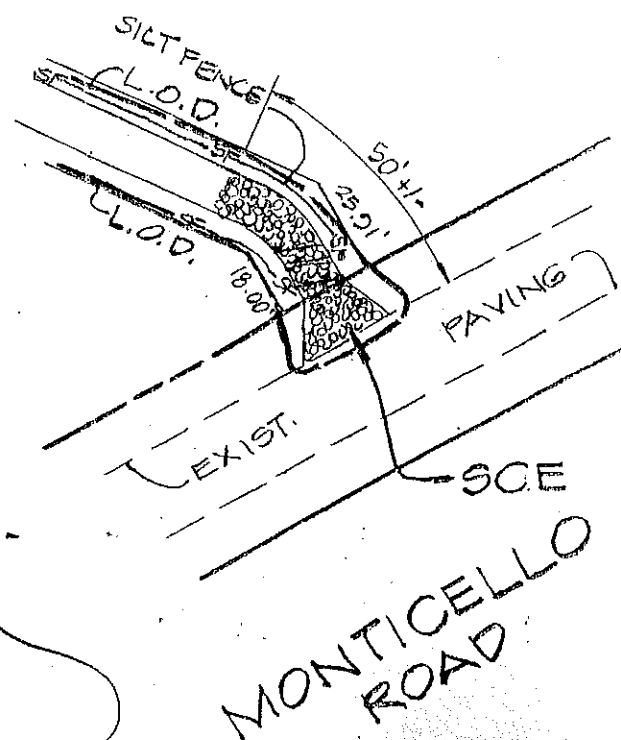
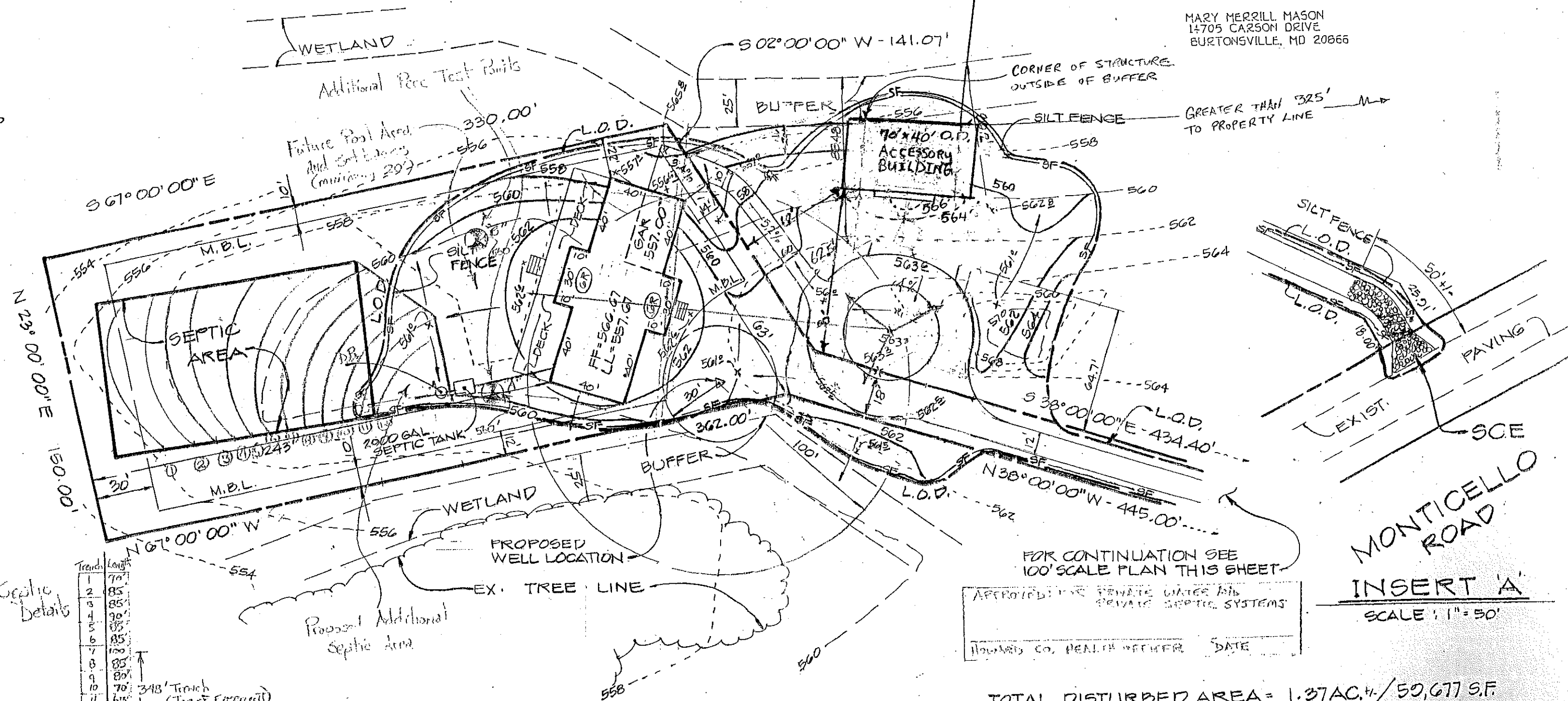
MON
EX. 50' R/W

SEE THIS SHEET FOR ENLARGEMENT.

GREATER THAN 250' TO PROPERTY LINE

- HAVE BEEN SHOWN.
- ⊕ DENOTES WELL LOCATION.
 - ⊙ DENOTES PERC HOLE LOCATION.
 - OWNER & DEVELOPER:

MARY MERRILL MASON
14705 CARSON DRIVE
BURTONSVILLE, MD 20866



FOR CONTINUATION SEE 100' SCALE PLAN THIS SHEET.

APPROVED FOR PRIVATE WATER AND PRIVATE SEPTIC SYSTEMS

HOWARD CO. HEALTH OFFICER DATE

TOTAL DISTURBED AREA = 1.37 AC. ± / 59,677 S.F.

HOUSE ENLARGEMENT & GRADING PLAN
SCALE: 1" = 50'

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT.

HARLESS MANOR - PHASE TWO
#13006 & 13008 MONTICELLO DRIVE
LOT # 26 AND PRESERVATION PARCEL 'C'
4TH ELECTION DISTRICT * HOWARD COUNTY, MARYLAND

OWNER

LEROY H. HEWITT, JR.
4405 SANDSTONE DRIVE

CLSI

Carroll Land Services Incorporated
Engineers * Surveyors * Land Development Consultants
Landscape Architects * Environmental Specialists
439 East Main Street Westminster, MD 21157-5539
(410) 876-2017 FAX (410) 876-0009



Alfred L. Hansard
Professional Engineer Registration No. 29446
Date: 12/01/2001

Septic Details

Trench	Length
1	70'
2	85'
3	85'
4	90'
5	85'
6	85'
7	130'
8	85'
9	80'
10	70'
11	65'
12	50'

348' Trench (Top of Easement)

Total Trench 968'