

11/22/99
0: 11:00 # 3:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 512778

A 50830 06

03-330621

DISTRICT _____

DATE 10/22/1999

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

INDEXED

DATE SYSTEM APPROVED 11/22/99

INSPECTOR BB

K & K Excavating IS PERMITTED TO INSTALL INSTALL ALTER

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

SUBDIVISION Brantwood LOT 25 ROAD 3100 Argent Path

PROPERTY OWNER Dorsey Homes, Inc.

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 50 feet off the left (217.54') lot line and 55 feet off the front (93.84') lot line as viewed from Argent Path, Install trenches **ON CONTOUR** toward the rear lot line.

NOTES - Maintain minimum of 100 foot separation distance from wells on Lot 24 and Lot 25 to any part of septic system. No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 10/4/99 O.R. (BB)

PLANS APPROVED BY Ronald J. Pinkley DATE 9-14-1999

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

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

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

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

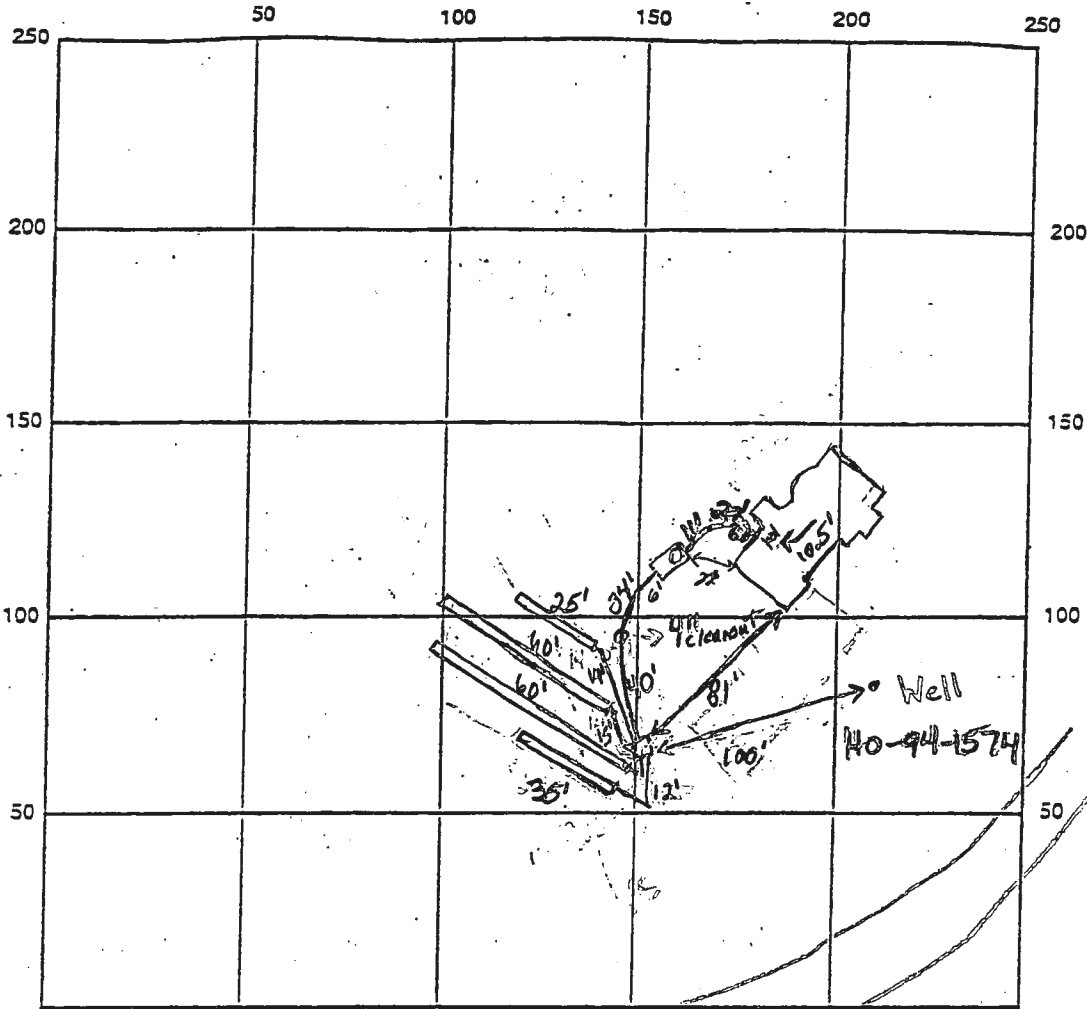
PERMIT VOID AFTER TWO YEARS

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

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Argent Path

SEPTIC TANK LEVEL 1500 gallon CLEANOUTS _____

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 2.5 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 2x60' ft. 1x25', 1x35' (180' total)

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

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 11/22/99 Home connection made. WPD done - O.K. O.K. to cover everything (BB)

DATE SYSTEM APPROVED 11/22/99 INSPECTOR B. Baker



Sep 14 99 12:57P

HO. CO. DEPT. OF ENVIRONMENTAL HEALTH

ATTN: RON

9-14-99

Revised
DISTR. Box. Et.

E: BRANTWOOD LOT 25
F: Brian Weabaugh @ C.F. & S
410-381-7500 Ext. 224

Total linear feet of trench
required 180 feet

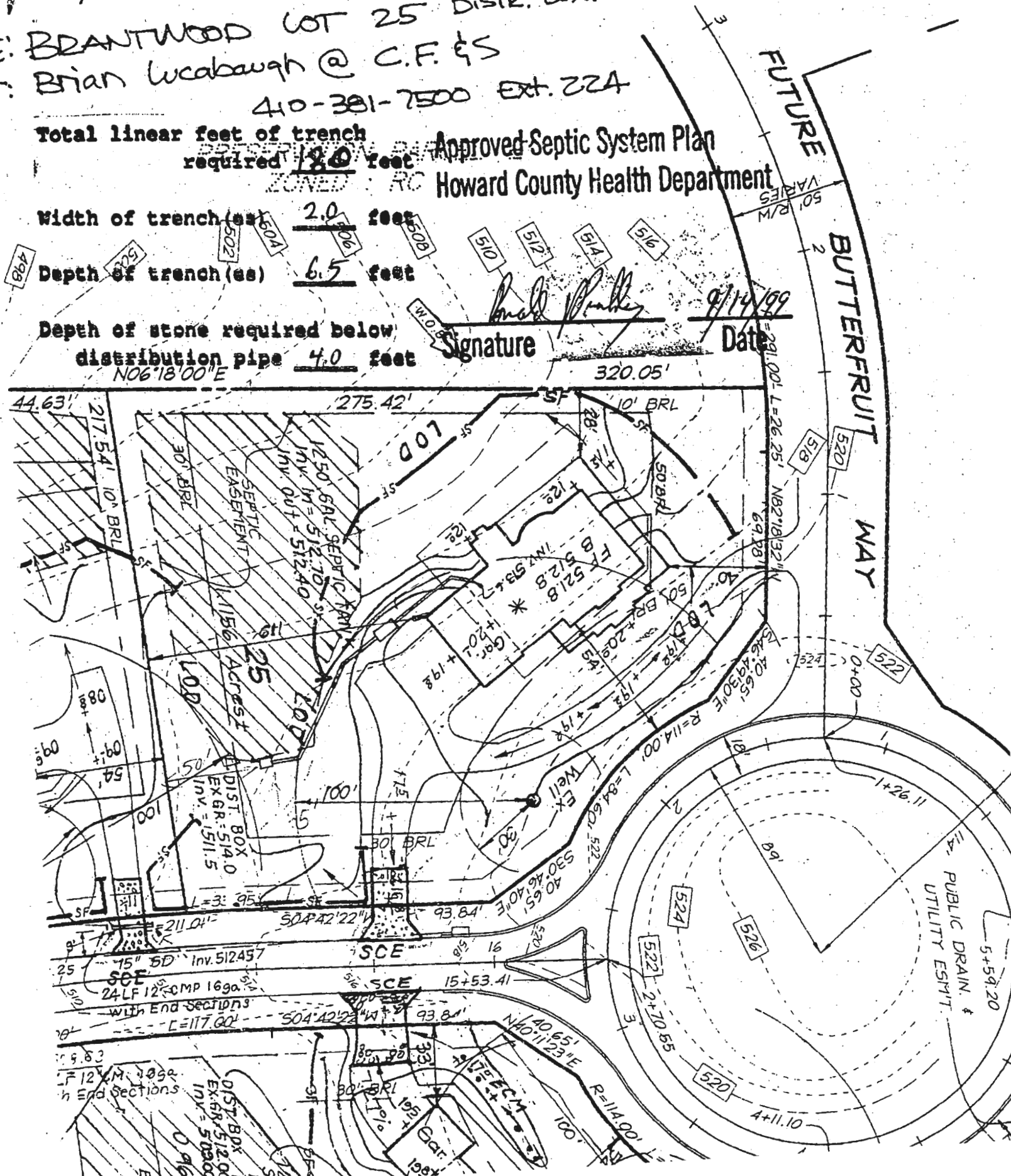
Approved Septic System Plan
Howard County Health Department

Width of trench (est) 2.0 feet

Depth of trench (est) 6.5 feet

Depth of stone required below
distribution pipe 4.0 feet

Paul P... [Signature]
Signature Date 9/14/99



APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE 8/13/95

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 Fearge Family Dorsey Homes, Inc

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER Land Marketing, Inc. c/o Tim Fearge

ADDRESS 3243 Bethany Lane Ellicott City PHONE 313-8808

21042

PROPERTY LOCATION:

SUBDIVISION Fearge Property LOT NO. 48 24 25 25 52/1

ROAD AND DESCRIPTION Rt 144 + Folly Quarter Rd

3110 ARGENT PATH

~~PERMIT SIGNATURE~~
NOT RETURNED 9-14-99
Serial # 120157

TAX MAP 16 + 23 PARCEL # 34 + 63

SIZE OF LOT 1 acre +/- TYPE BLDG. SFD - 4 Brm
(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.

Mark A. Reil
(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
1142

0' red
brn
silt
loam

4' zone
of large
rocks

6.5' 20-30%
sand mixed

dark
brn
silt
salm

9' brn salm
w/ pockets
of decayed
white quartz
orange/white
marked

1145 1143

no
distinct
clay
layer

beigh
salm

very
micaceous

5-10%
rock/
saprotic
mix

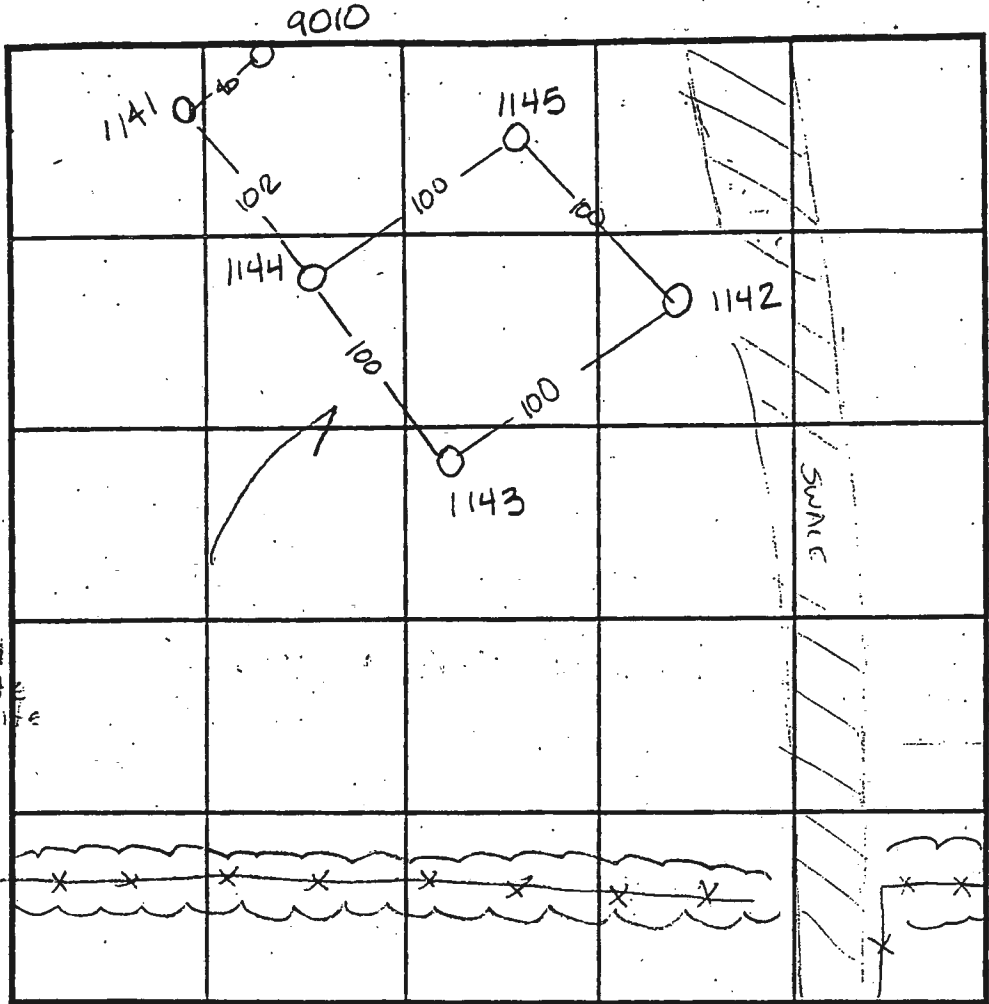
1144

orange
brn
silt
salm

red brn
salm

very
micaceous

5%
rock
zones
of pink
brn
saprotic



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE
141

0' orange
brown
silt
salm
micaceous

3.0' beigh
brown
silt
salm
5%
rock
saprotic
mix
micaceous

12.5 9010

all orange
10% shale
silt
salm

3.5' bright or
sand large
grained
white &
orange
mix - 10%
decayed
quartz

12.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-11-95	1142	6' / V12	10:59	11:00 ³⁰	11:00 ³⁰	11:02 ³⁰	2min
	1145	3.5' / V12.5	11:02	11:05	11:05	11:08	3min
	1144	3' / X13	10:11	10:12	10:12	10:13 ³⁰	1 1/2 min
	1144	7' / V13	10:09 ³⁰	11:11	11:11	11:16	5min
	1143	Visual	see profile		—		OK
	141	Visual	to 2.5 - see profile		—		OK
5-2-97	9010	Visual	to 12.0 - see profile		—		OK

REMARKS wet season - ALL HOLES DUG PER STAKE

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Mark Reich

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date _____

Name of Installer Willoughby Plumbing

Telephone 410-781-7051

License Number #6992
Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner Nantucket Homes, Dorca
Subdivision BRENTWOOD Lot # 25
Site Address 3100 ARGENT PATH

Telephone _____
Well Tag # HO-94-1574

- Pump**
- Type
 - Deep well jet _____
 - Shallow well jet
 - Submersible
 - Make Jacuzzi
 - Model # _____
 - Capacity 7 GPM
 - Pump exceeds well capacity Yes _____ No
 - If Yes, is low pressure cutoff switch installed? Yes _____ No
 - What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other TAPE

- Motor**
- Horsepower 1/2 HP
 - RPM _____
 - Voltage _____
 - 110 _____
 - 220

- Pitless Adapter**
- Make HARVARD
 - Model # _____
 - Depth 4 FT

- Tank**
- Capacity 40 gal
 - Pressure relief valve? yes

- Piping**
- Type CROSS LINE
 - Size 1
 - NSF and/or BOCA Code approved yes
 - Depth of supply line 4 FT

- Well data**
- Depth 200 ft.
 - Yield 1 GPM
 - Static water level 28 ft.
 - 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.

Signature of Applicant: Chris J. Willoughby

Date: 3/12/00

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

HO-218

11/22/99-WPI OK - (BB) SRK

C1- 05195 (MDE USE ONLY)
 1 2 3 6
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)
 ST/CO USE ONLY
 DATE Received
 MAY 7 10 98
 8 13

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 A50830
 PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1574
 28 29 30 31 32 33 34 35 36 37

OWNER Liparini John
 STREET OR RFD Argent Path
 SUBDIVISION Brantwood SECTION I TOWN ELICOTT CITY LOT 25

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	
BROWN SHALE	0	49	
BLUE SLATE	49	200	✓

WATER AT 140-152

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 15 NO. OF POUNDS 1410
 GALLONS OF WATER 60
 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 59 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 (ST) STEEL (CO) CONCRETE (PL) PLASTIC (OT) OTHER
 MAIN CASING TYPE ST
 Nominal diameter top (main) casing (nearest inch) 6
 Total depth of main casing (nearest foot) 60

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

C3
 PUMPING TEST
 HOURS PUMPED (nearest hour) 72
 PUMPING RATE (gal. per min.) 7
 METHOD USED TO MEASURE PUMPING RATE TIME
 WATER LEVEL (distance from land-surface) BEFORE PUMPING 28 ft. WHEN PUMPING 110 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 WILL INSTALL PUMP (CIRCLE) (YES or NO) YES (N)
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED 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 LAND SURFACE (nearest foot) 1 (-) below

NUMBER OF UNSUCCESSFUL WELLS: 0
 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. 1 MW D139
 Rabut Elme
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MW D536
 Rabut Elme

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

C2
 DEPTH (nearest ft.)
 1 140 59 200
 2 140 59 200
 3 140 59 200
 4 140 59 200
 5 140 59 200
 6 140 59 200
 7 140 59 200
 8 140 59 200
 9 140 59 200
 10 140 59 200
 11 140 59 200
 12 140 59 200
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 80 140 59 200

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

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

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 WELLS RT 144)
 MARIOTT'S LANE RD
 FARM LANE FLAGA FARM
 XWELL

B 1 9715 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-1574 fill in this form completely

OWNER INFORMATION Date Received (APA) 05 28 98 Liparini John 8835-P Columbia 100 Parkway Columbia, MD 21045

LOCATION OF WELL Howard Feaga Property Ellicott City MILES FROM TOWN 3

DRILLER INFORMATION Robert L. Cline MWD 139 Cline & Duvall, Inc. 8093 Hillmark Ct., Frederick, MD 21704

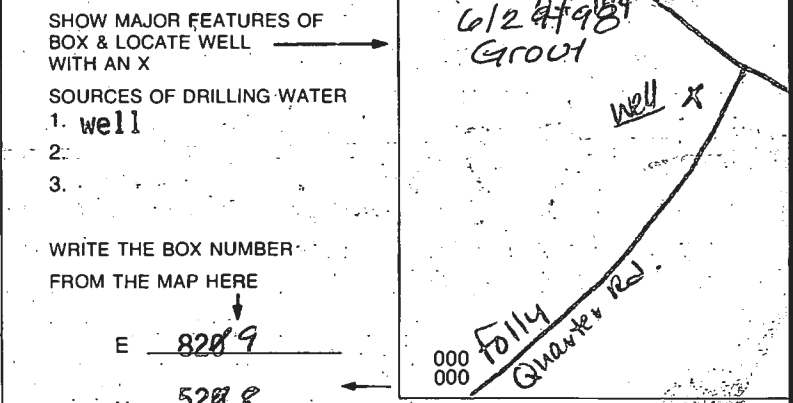
Argent Path Folly Quarter ON WHICH SIDE OF ROAD 2200 FT DISTANCE FROM ROAD

WELL INFORMATION APPROX. PUMPING RATE 5 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 300 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard CO A50830 DATE ISSUED 6/10/98

USE FOR WATER (CIRCLE APPROPRIATE BOX) D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

APPROXIMATE DEPTH OF WELL 250 FEET APPROXIMATE DIAMETER OF WELL 6 INCH



METHOD OF DRILLING (circle one) JETTED AIR-PERCussion ROTARY (Hydraulic Rotary)

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) FORCE AM PERMIT No. HO-94-1574

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION Rt. 144 Rt. 40

6/10/78

Septic esmt on this plan not shown as approved on Perc Cert. Engineer informed & will adjust to what was originally approved on the final plan. Au

NOT APPROVED

ALT #25-1 NOT APPROVEABLE NOT LOCATED IN A SWALE

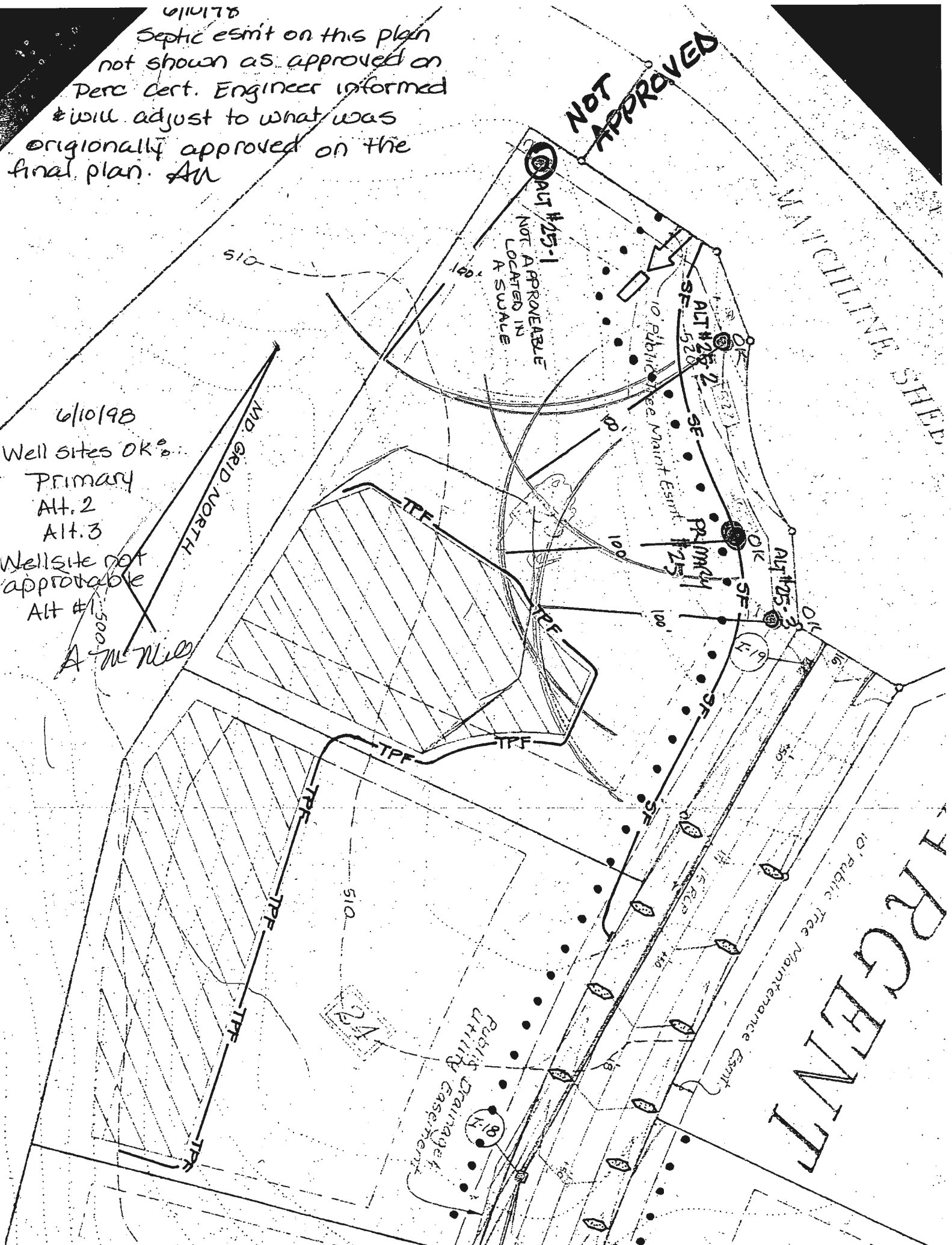
MAINTENANCE SHED

6/10/98

Well sites OK
Primary Alt. 2
Alt. 3
Well site not approvable
Alt #1

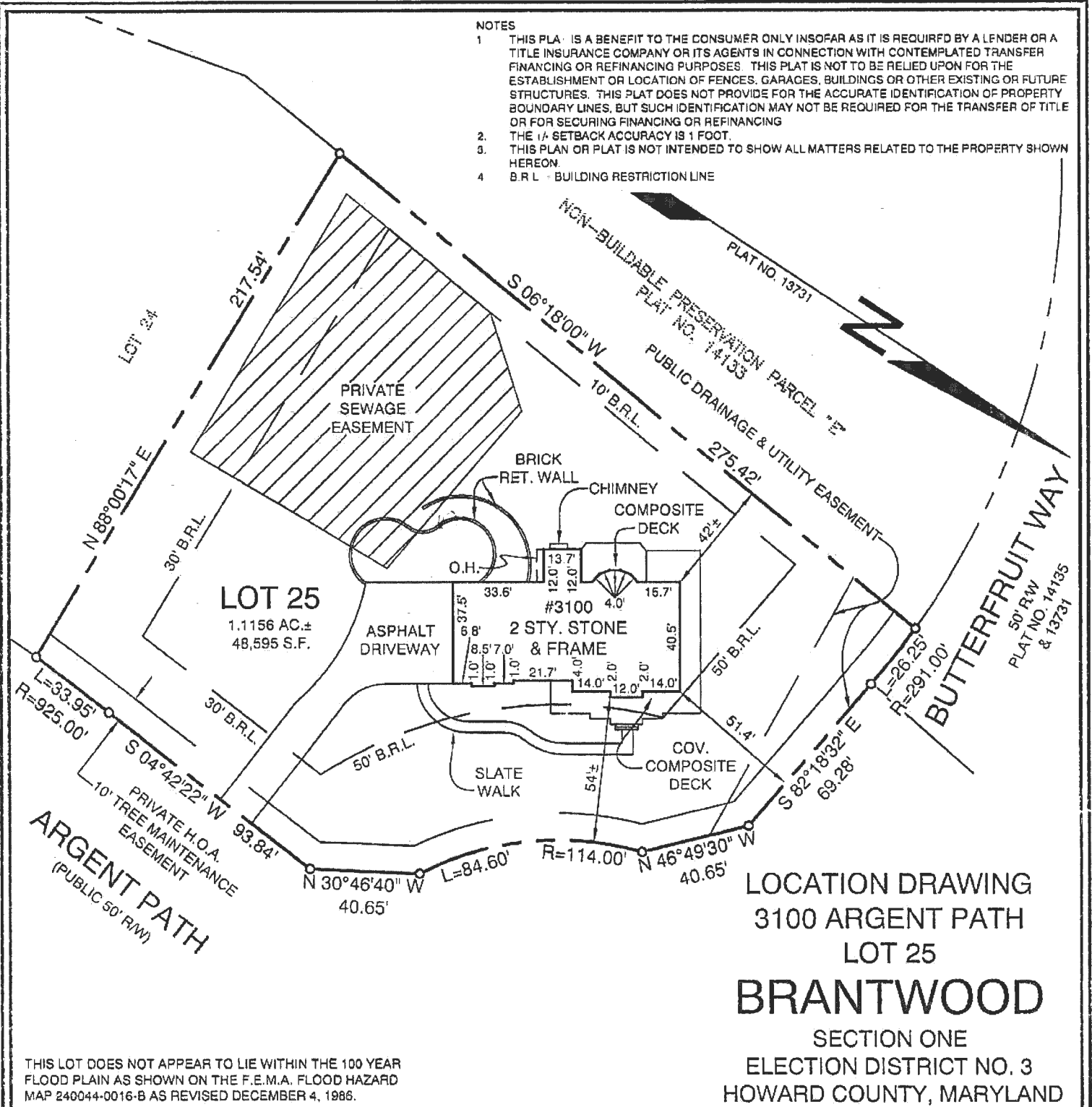
A Mc Mill

MO. GRID NORTH



NOTES

1. THIS PLAN IS A BENEFIT TO THE CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH CONTEMPLATED TRANSFER FINANCING OR REFINANCING PURPOSES. THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE STRUCTURES. THIS PLAN 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.
2. THE 1/4" SETBACK ACCURACY IS 1 FOOT.
3. THIS PLAN OR PLAT IS NOT INTENDED TO SHOW ALL MATTERS RELATED TO THE PROPERTY SHOWN HEREON.
4. B.R.L. - BUILDING RESTRICTION LINE



LOCATION DRAWING
 3100 ARGENT PATH
 LOT 25
BRANTWOOD
 SECTION ONE
 ELECTION DISTRICT NO. 3
 HOWARD COUNTY, MARYLAND

THIS LOT DOES NOT APPEAR TO LIE WITHIN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE F.E.M.A. FLOOD HAZARD MAP 240044-0016-B AS REVISED DECEMBER 4, 1986.

I HEREBY CERTIFY THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS LOCATION DRAWING AND THE SURVEY WORK RELATED HERETO, IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN THE CODE OF MARYLAND TITLE 9, SUBTITLE 13, CHAPTER 06 REGULATION 3, AND THE POSITION OF EXISTING IMPROVEMENTS AS SHOWN HEREON, ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Michael D. Adcock
 MICHAEL D. ADCOCK
 PROFESSIONAL LAND SURVEYOR
 NO. 21257, EXPIRATION DATE: 06/30/2015

Sill · Adcock & Associates · LLC
 Engineers · Surveyors · Planners
 3300 North Ridge Road, Suite 160
 Ellicott City, Maryland 21043
 Phone: 443.325.7682 Fax: 443.325.7685
 Email: mike@sealand.com

REFERENCE:	PLAT NO. 13731
DATE	OCTOBER 21, 2013
SCALE:	1" = 50'
FILE NO.:	13-001-229