

LAYOUT 7/29/04 pm INSP 4 _____
INSP 2 7/30/04 INSP 5 _____
INSP 3 _____ INSP 6 _____

03-338924

ISSUE DATE: 7/27/2004

P 520798

APPROVAL DATE: 8/2/04

A 510575-E

PERMIT INDEXED

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043

03-338924

Farm & Home Excavating, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 901 Driver Road, Marriottsville PHONE NUMBER: 410-442-2139

SUBDIVISION: Brantwood III LOT NUMBER: 32

ADDRESS: 3121 Seneca Chief Trail PROPERTY OWNER: James & Katherine Mann

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 186 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved building permit plan.
NOTES:	

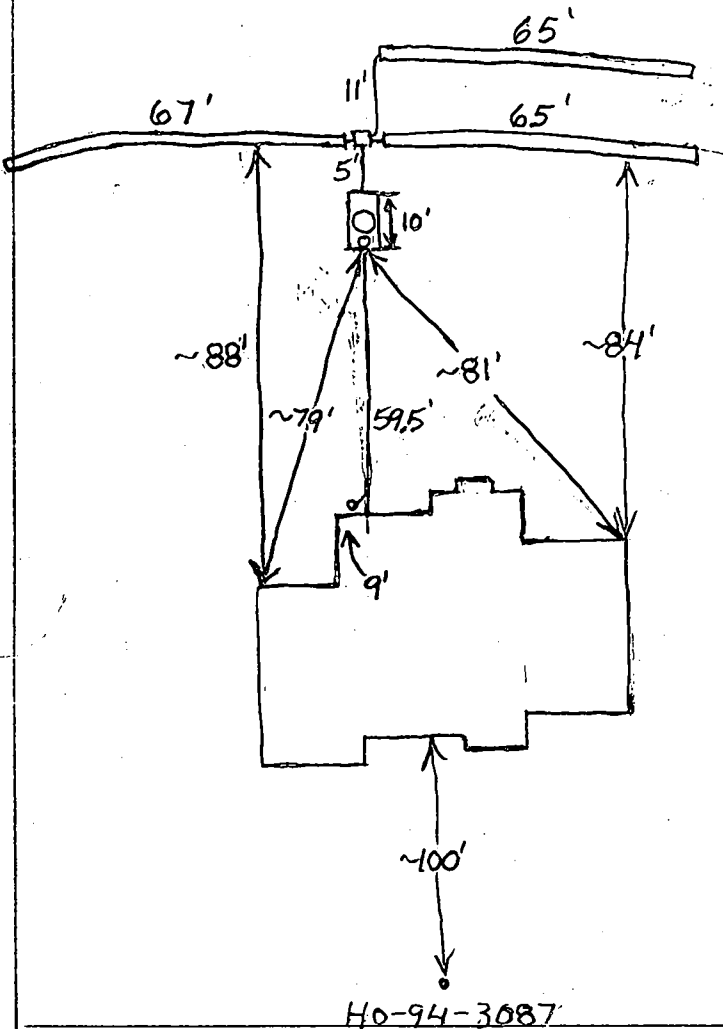
PLANS APPROVED: Kevin J. Bell  DATE: 3/4/04

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

NEITHER THE HOWARD COUNTY COUNCIL OR 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
DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

A 510 575-E

NOT TO SCALE



Septic Tank
is 6' Wide

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		197'
ABSORPTION AREA		591 + Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	~1'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Middle
6" PORT LOC	Front
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL N/A	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 7/29/04 To install as per building permit plan. However, some fill in septic easement. Will have to find original grade. Contour may be slightly different than shown on B.P. plan (BB) 7/30/04 Septic tank was moved to top of septic easement because homeowner wanted room for future pool. 5'-10' of top of easement lost. Trenches extended past easement to gain additional area. O.K. to cover (BB)

FINAL INSPECTOR B. Baker DATE OF APPROVAL 8/2/04

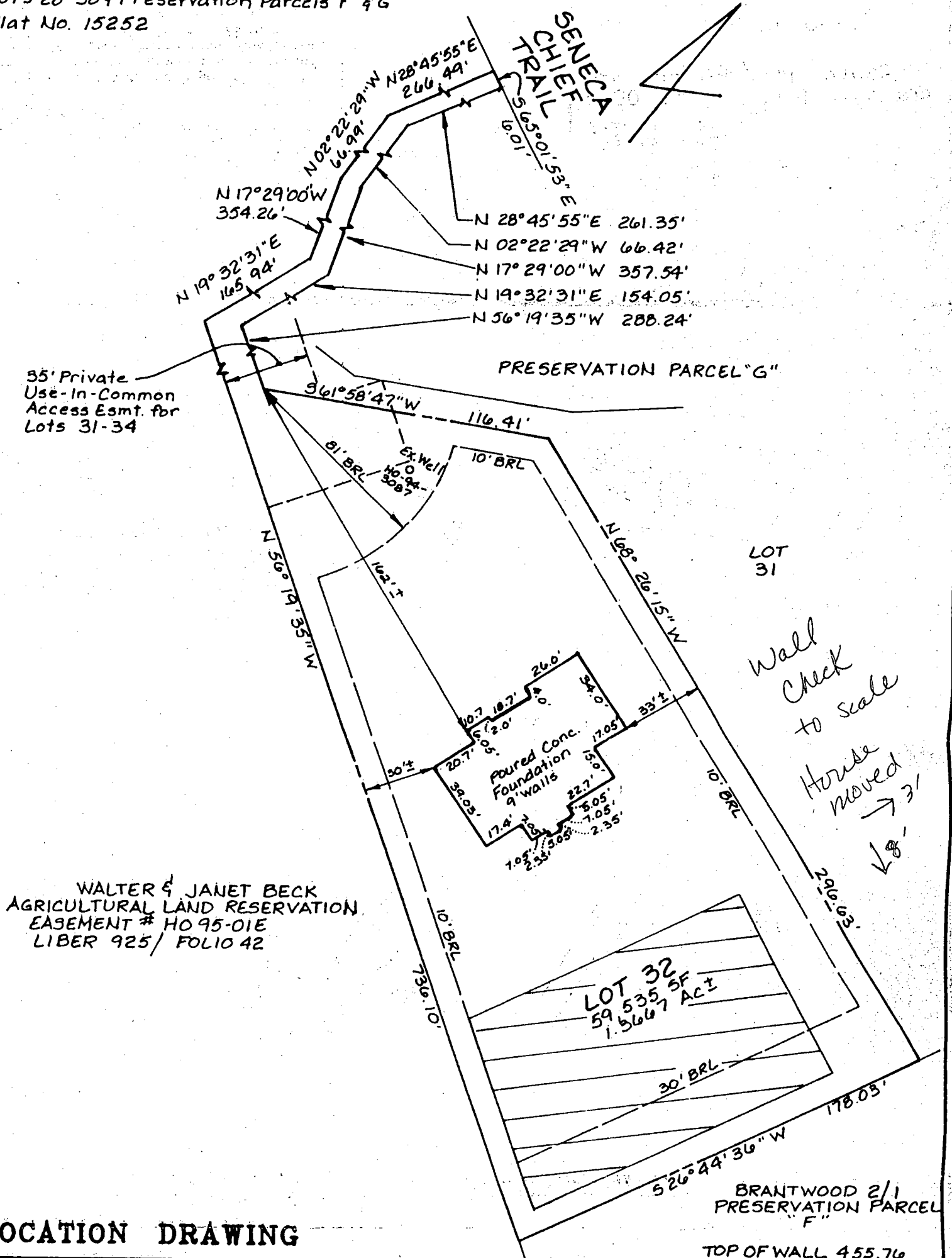
PROPERTY KNOWN AS: LOT 32
BRANTWOOD

THIS PLAT CAN NOT BE USED TO ESTABLISH
PROPERTY LINES OR CORNERS.

Section 3 Area 3

Lots 28-38 & Preservation Parcels "F" & "G"

Plat No. 15252



LOCATION DRAWING

CERTIFICATION

This is to certify that I have surveyed the property known as: Lot 32
Brantwood 3/3

The information shown has been established by current acceptable survey procedures and from available record information. This drawing is to be used for Title Transfer Financing, or Refinancing Only and IS NOT to be used for the Establishment of Property Lines, Location of Fences, Garages, Buildings, or other Existing or Future Improvements.

SEAL



SCALE 1"=50'

DATE 5/19/04

LDE Inc.

9250 Rumsey Road Suite 106
Columbia, Maryland 21045

(410) 715-1070 (Balt.)
(301) 596-3424 (Wash.)
(410) 715-9540 (Fax)

SENECA CHIEF TRAIL

- 1 Invert at Foundation Wall: 442.50
- 2 1500 Gallon Septic Tank (4 Bedrooms)
Provide Manhole to Finished Grade
 - A. Ex. Ground Over Tank: 445.30
 - B. Prop. Grade Over Tank: 444.20
 - C. Invert In: 441.50
 - D. Invert Out: 441.20
- 3 Distribution Box: (Provide 3 Outlets Minimum)
 - A. Ex. Ground Over Box: 444.00
 - B. Prop. Grade Over Box: 444.00
 - C. Invert In: 441.00
- 4 Trench Design: 60 LF / Bedroom X 5 Bedrooms = 300 LF

	(A)	(B)	(C)
Ex. Ground Over Trench:	443.80	442.20	441.00
Invert of Trench:	440.80	439.20	438.00
Bottom of Trench:	438.80	437.20	436.00
Trench Length:	60 LF	60 LF	60 LF
Trench Width:	3 Ft.	3 Ft.	3 Ft.

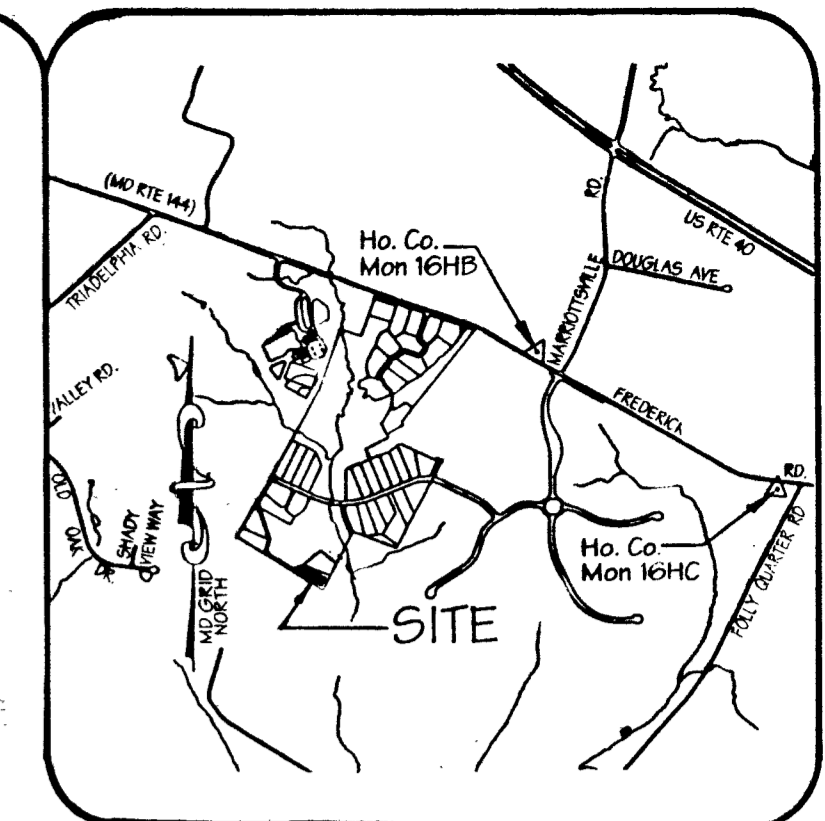
NOTE: TRENCH DESIGN MAY BE REVISED AT TIME OF INSTALLATION BASED ON SITE CONDITIONS

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT	1 DAY
2. NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS, LICENSES AND PERMITS AT LEAST 24 HOURS PRIOR TO STARTING WORK.	1 DAY
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.	1 DAY
4. INSTALL SILT FENCE AT LIMIT OF DISTURBANCE SHOWN HEREON.	3 DAYS
5. CLEAR AND GRUB SITE TO SUBGRADE.	5 DAYS
6. BEGIN EXCAVATION FOR HOUSE FOUNDATIONS AND BEGIN HOUSE CONSTRUCTION. INSTALL SEPTIC SYSTEM	60 DAYS
7. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS.	DAILY
8. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STABILIZED CONSTRUCTION ENTRANCE AS REQUIRED.	MAINTENANCE
9. FINE GRADE AND STABILIZE WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH. INSTALL INDIVIDUAL DRIVEWAY AND HOUSE WALK.	5 DAYS
10. WITH PERMISSION FROM THE SEDIMENT CONTROL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES AND STABILIZE ANY REMAINING DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.	5 DAYS
TOTAL TIME:	84 DAYS

LEGEND

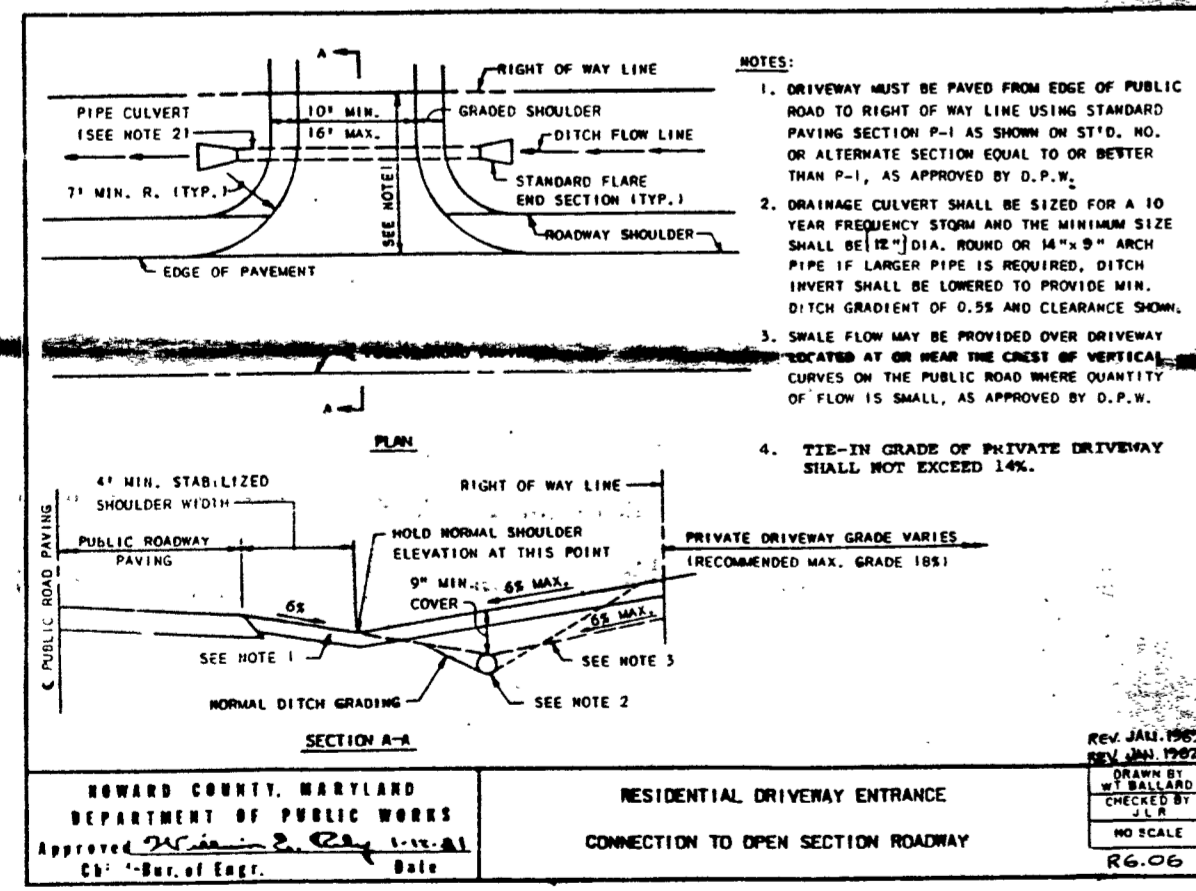
- 520 --- EXISTING GROUND
- 520 — PROPOSED GRADE
- ⊙ EXISTING WELL
- >--- DRAINAGE FLOW
- SF --- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- SF --- SF --- SILT FENCE
- ⊙ EX. TREE TO REMAIN
- [SCE] STABILIZED CONSTRUCTION ENTRANCE
- ECM --- EROSION CONTROL MATTING



VICINITY MAP
Scale: 1" = 2000'

NOTES:

1. EXISTING ZONING: RC (RURAL CONSERVATION)
2. PLAT REFERENCE: 15252
3. LIMIT OF DISTURBANCE: 30,700 SQ. FT. ±
4. THE PROPOSED DRIVEWAY FOR THIS LOT SHALL BE A MINIMUM OF 10 FEET WIDE, 6" CRUSHER RUN WITH 2 1/2" MACADAM SURFACE.
5. THE TOPOGRAPHY SHOWN IS TAKEN FROM THE HOWARD COUNTY AERIAL TOPOGRAPHY.
6. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
7. This area designates a Private Sewage Easement of at least 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 adjustments to the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
8. The existing well shown on this plan (identified with the attached well tag number H094-3087) has been field located by LDE, Inc. Professional Land Surveyors and is accurately located.



NOTES:

1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON STD. NO. 10 OR ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.S.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM AND THE MINIMUM SIZE SHALL BE 18" DIA., ROUNDED OR 14" x 9" ARCH PIPE IF LARGER PIPE IS REQUIRED. DITCH INVERT SHALL BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOW. DRAINAGE FLOW MAY BE PROVIDED OVER DRIVEWAY SECTION AT OR NEAR THE CRACK OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.S.
3. 24" PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR LOTS 31 & 32
4. 24" PRIVATE USE-IN-COMMON ACCESS EASEMENT FOR LOTS 31 & 32

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: [Signature] DATE: 2-24-04

RESIDENTIAL DRIVEWAY ENTRANCE
CONNECTION TO OPEN SECTION ROADWAY
DATE: 2-24-04

ENGINEER'S CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 2-24-04

DEVELOPER'S CERTIFICATE
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE FUTURE ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.
[Signature] DATE: 2-24-04

WALTER AND JANET BECK
AGRICULTURAL LAND PRESERVATION
EASEMENT # H095-01E
LIBER 925/ FOLIO 42

APPROVED SEPTIC SYSTEM PLAN
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE: 4/19/08

LDE, INC.
9250 Rumsey Road, Suite 108, Columbia, MD. 21045
(410) 715-1070 (301) 598-3424 (410) 715-9540 (Fax)

DESIGNED: BDB, KBW
DRAWN: STB
CHECKED: BDB
DATE: 2/04

GRADING AND SEDIMENT CONTROL PLAN
SCALE: 1" = 30'
DRAWING: 10F2
JOB NO: 01-077
FILE NO: GP 04-61

TAX MAP 16 GRID 21 P/O PARCEL 205
3rd ELECTION DISTRICT HOWARD COUNTY, MD
Previous Submittals: WP 90-96, F90-128, WP99-55, 599-09
WP00-55, P00-03, F01-67, F01-73

OWNER: BRANTWOOD L.L.C.
10855-P Columbia 100 Pkwy.
Columbia, MD 21045
410-730-0910

BUILDER: MANTUCKET HOMES / DORSEY INC.
13090 Old Frederick Road
Sykesville, MD 21784

DATE: 2/04

DATE: 4/19/08

DATE: 2-24-04

DATE: 2-24-04

DATE: 2-24-04

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: ROBERT L FEEZER CO INC Telephone #: 410-781-4655
Address: 1321 BOWEN AVENUE
SUDBURY, MD 21794

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): ROBERT L FEEZER License# 2122

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

Name of Property Owner: MASTUCKET BLDG. Telephone #: 410-442-8200
Subdivision: BILANTWOOD Lot #: 32 Well Tag #: HO-14-3087
Site Address: 3211 BOWEN AVENUE Seneca Chief Trail
SUDBURY, MD 21794

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: STABITS Make: CONAR Two piece watertight cap:
Model #: SSPTFOH Model#: PA900 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 36 (36" min) Cap secured to casing:
Well Yield: 2.2 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 47.5 (feet) 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~~ or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house House Connection
Type: POLY PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 10'
Depth of supply line: 36 (36" min) 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: Robert L. Feezer date: 8/2/04

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

Date Insp. Requested: 8/3/04 Date Insp. Approved: 8/13/04 BB

- Inspection Data: Pitless adapter and water supply line at least 36" below grade
- Two piece cap installed and attached to casing securely
- Elec. conduit extends at least 18" below grade/attached to cap properly
- Safety rope installed inside of well casing
- Correct well tag attached properly and casing 8" above finished grade
- Water supply line sleeved adequately at house connection No → 18" sleeve
- Adequate grout observed below pitless adapter

8/13/04
Sleeve Lengthened to
5' - O.K. to Approve

Left Note and
Told Builder to
Get Sleeve
Lengthened.

BB

BB

C1 1336 SEQUENCE NO. (MDE 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) FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER 13 OKSRK 10/5/01

ST/CO USE ONLY DATE Received MM 08 DD 09 YY 13 DATE WELL COMPLETED 08 09 01 Depth of Well 22 475 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 94 - 3087

OWNER Brantly Development last name Seneca Chief Trail first name TOWN West Friendship STREET OR RFD SUBDIVISION Brantwood SECTION 3/3 LOT 5

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	
Overburden	0	15	
Soft <u>Silt</u>	15	65	
Limestone	65	475	x

water at 92,238 & 450'

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT BENTONITE CLAY

NO. OF BAGS 18 NO. OF POUNDS 1800

GALLONS OF WATER 108

DEPTH OF GROUT SEAL (to nearest foot)
from D TOP 52 ft. to 72 BOTTOM 58 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 PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 72

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: 0

WELL HYDROFRACTURED YES NO

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.

DRILLER'S LIC. NO. MWD 399

DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Walter Powell

LIC. NO. MWD 247

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

C2 DEPTH (nearest ft.)

8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH) 56 60

from to

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

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 2.2

METHOD USED TO MEASURE PUMPING RATE Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING 40 ft.

WHEN PUMPING 314 ft.

TYPE OF PUMP USED (for test)

air piston turbine
 centrifugal rotary other (describe below)
 jet submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) YES NO

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 29

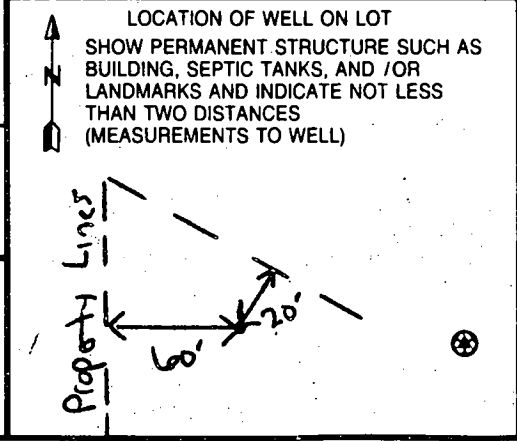
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

above } LAND SURFACE
 below } 1 (nearest foot)



B 1 7080

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL W515213 please print or type

STATE PERMIT NUMBER

HD-94-3087 fill in this form completely

Date Received (APA) 4/23/01

OWNER INFORMATION

Brantwood LLC, 8835 P Columbia 100 Pkwy, Columbia MD 21045

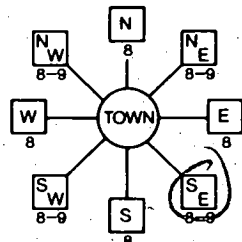
LOCATION OF WELL

Howard COUNTY, Brantwood SUBDIVISION, SECTION 3 LOT 5 Area 3, West Friendship NEAREST TOWN, 2 MILES FROM TOWN

DRILLER INFORMATION

Paul M. Fabiszak M W D 399, G. Edgar Harr Sons' Copp., 12047 Falls Road, Cockeysville 21030, 4/18/01

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Seneca Chief Trail NEAR WHAT ROAD, ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), DISTANCE FROM ROAD 700 FT

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 750 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled), 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 CO COUNTY NAME, 13 COUNTY NO., STATE SIGNATURE, DATE ISSUED 04/30/01, CO SIGNATURE, EXP. DATE 4/30/02, NORTH GRID 520000, EAST GRID 820000

APPROXIMATE DEPTH OF WELL 250 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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled), 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS, THIS WELL WILL DEEPEM AN EXISTING WELL

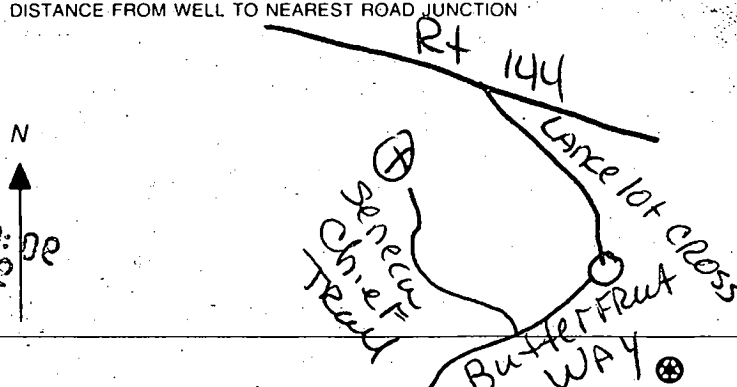
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

820, 520

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)

APPROX. PERMIT NUMBER

PERMIT No. HD-94-3087

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED.

CONVENTIONAL TRENCH SEPTIC SPECIFICATIONS WORKSHEET

PROPERTY ID: Brantwood 3/3 TAX MAP: 16 A 510575 E
STREET NAME: Seneca Chief Trail PARCEL #: 172 LOT NUMBER 5

AVERAGE PERCOLATION RATE: 2mm SQUARE FEET PER BEDROOM 180
NUMBER OF BEDROOMS: 5 LINEAR FEET OF TRENCH PER BEDROOM 38
TOTAL LINEAR FEET OF TRENCH 186 SEPTIC TANK CAPACITY: 1500
TOP SEAMED TANK REQUIRED? YES NO
COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DESIGN: Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.

$180 \times 5 = 900 \div 3 = 300 \times .62 = 186'$

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber
YES NO top seamed pump chamber required?

LOCATION:

ADDITIONAL NOTES:

REVIEWER: KB DATE: 3/4/04

APPLICATION

PERCOLATION TESTING

A 510642B

P _____

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

DISTRICT _____

DATE 8/24/98

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 George A. Garbutt

ADDRESS 11363 Frederick Road, Ellicott City, MD

AGENT OR PROSPECTIVE BUYER Heritage Land Development

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE 410-313-8808

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 2813

ROAD AND DESCRIPTION 11363 Frederick Road., Ellicott City, MD 21042

TAX MAP 16 PARCEL # 172

SIZE OF LOT 1 Acre TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

(SIGNATURE 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

510642 B

COUNTY #

SOIL PROFILE

190

0'
or/br
Cl lm
2'
beige/tan
silm
mica
flocs
7'
quartz
and feldspar
frags
15%
11.5'

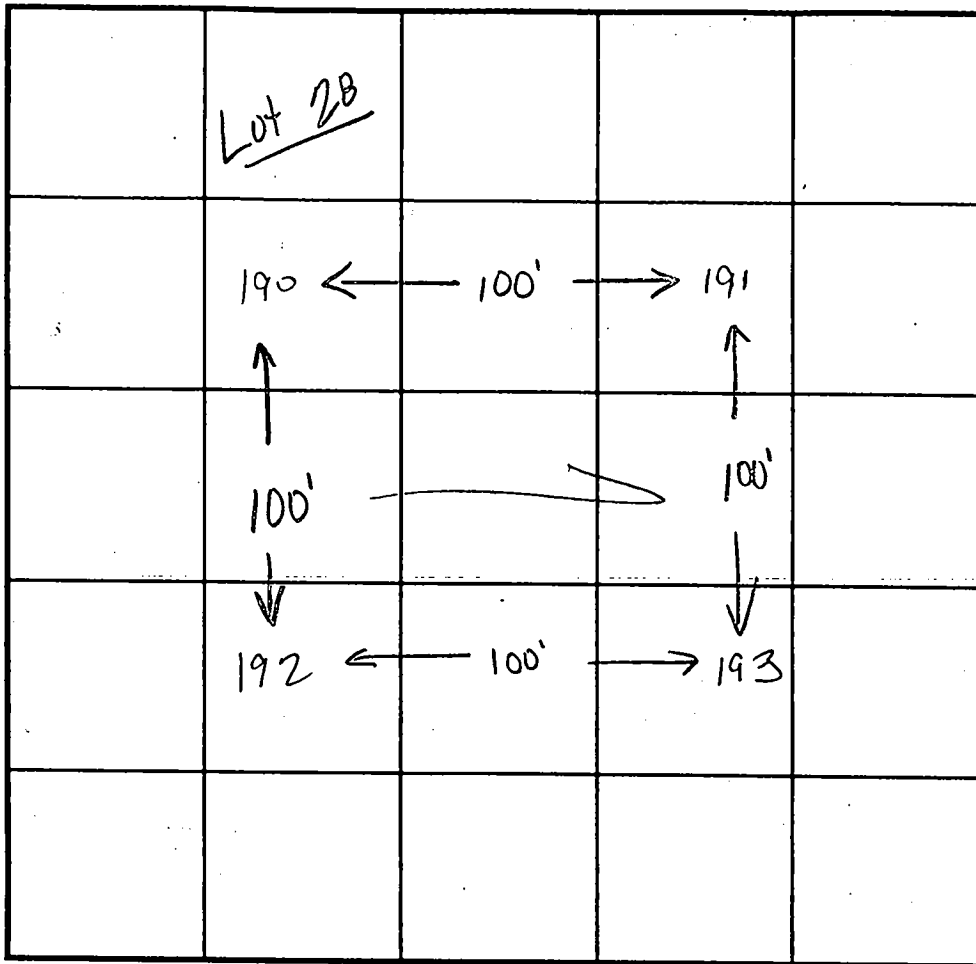
191

2'
orange
Cl lm
orange/
beige
silm
mica
flocs
20%
shale
11'

192

3.5'
orange
Cl lm
quartz
boulders
beige/or
silm
quartz
frags
15%
11.5'

Lot 28



SOIL PROFILE

193

0'
orange
Cl lm
3.5'
or/br
silm
quartz
boulders
15%
at
6.0'
12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
8.24.98	190	2:0'S	2:50	2:51	2:51	2:53	2	
		11.5'D	visual ok - see profile					
	191	2.5'S	2:54	2:55	2:55	2:56	fast	
		(repor)	2:56	2:57	2:57	2:59	2	
	192	11.0'D	visual ok - see profile					
	192	3.0'S	3:01	3:10	3:10	3:30	20	
		11.5'D	visual ok - see profile					
	193	2.5'S	3:13	3:36			slow	
		(repor)	4:19	4:24	4:24	4:39	15	
		12.0'D	visual ok - see profile					

REMARKS test holes staked by surveyor

TYPE OF SOIL

TESTED BY

Kim Martin

ALSO PRESENT

Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

13 min

TRENCH WIDTH

3

INLET DEPTH

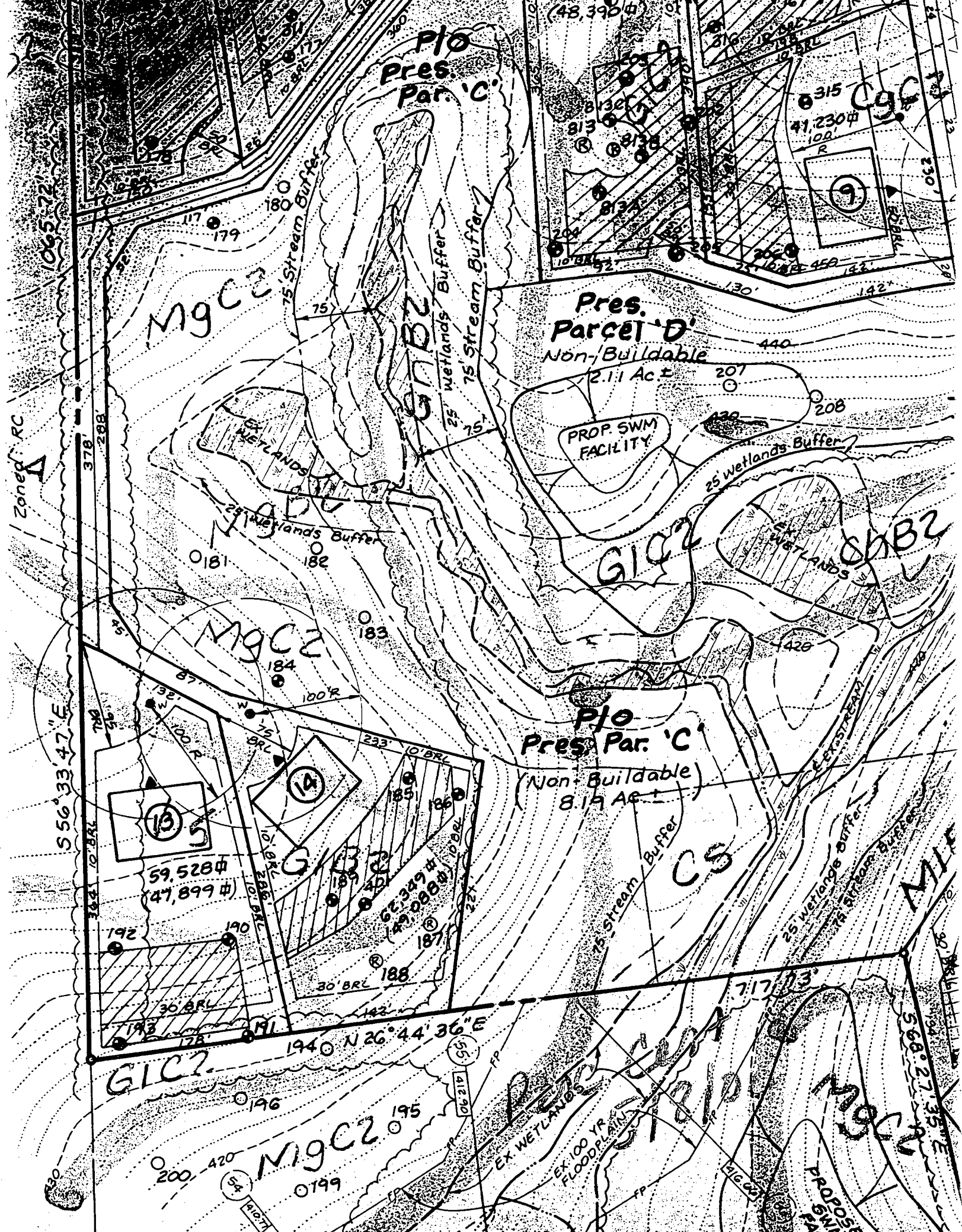
3

MAXIMUM BOTTOM DEPTH

5

SQ. FT/BEDROOM

210



925/42
Zoned RC
15' Between Driveway & R For
Landscape Edge Planting

35 Private Acce.
Esm't. For Lots
13 and 14

Non-Buildable
2.11/AC

IECA
TRM
25' Wetlands

25' Wetlands Buffer
25' Wetlands

25 x 50 Turnaround
(Private Easement)

HOA Maintenance
Public Pond #3
Retention
Hazard Class A

10 Pres. Parcel C

10 Pres. Parcel B

556°33'47"E

13
59,528 #
(47,899 #)

14
62,349 #
(49,088 #)

80
419.87

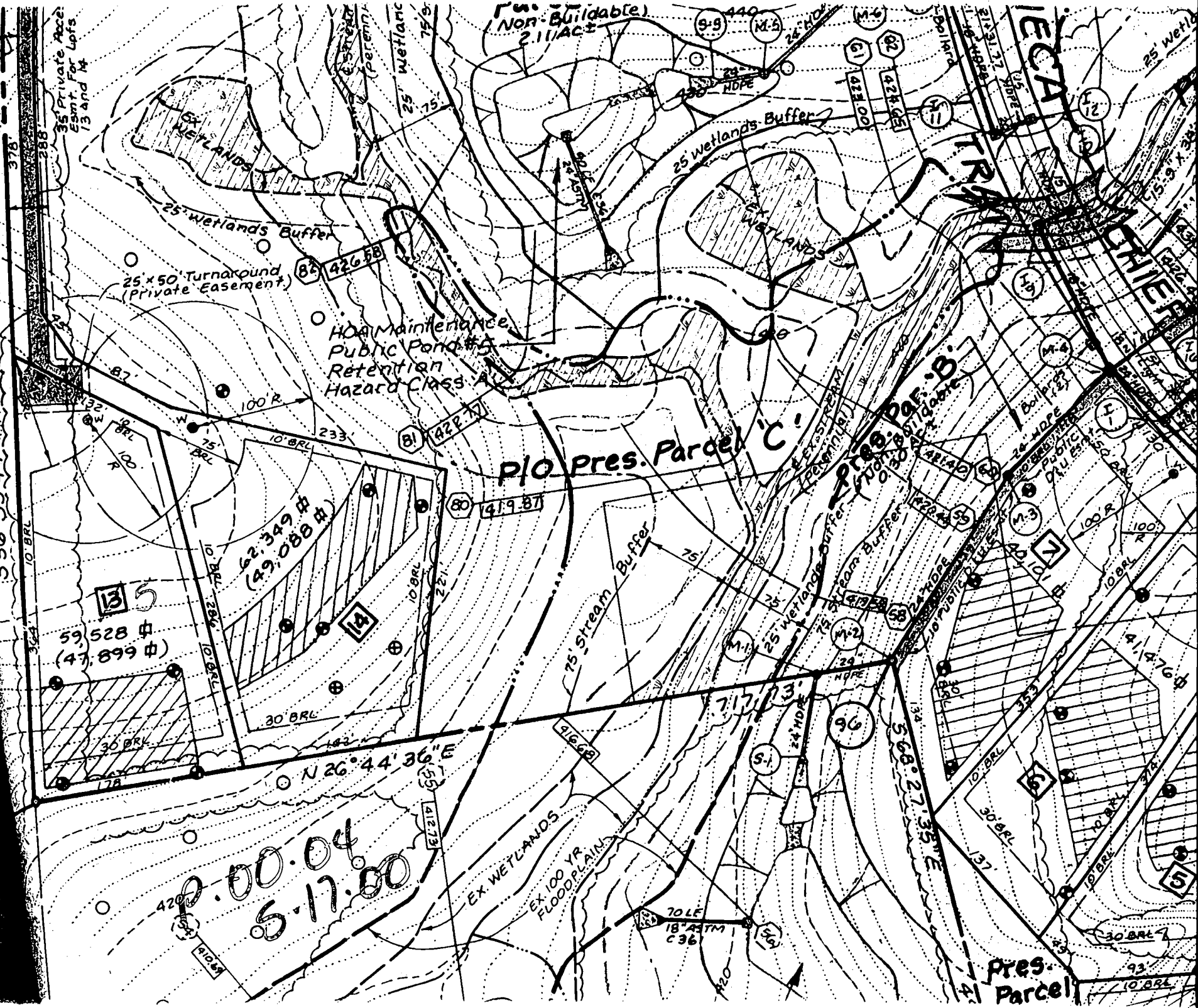
716.62

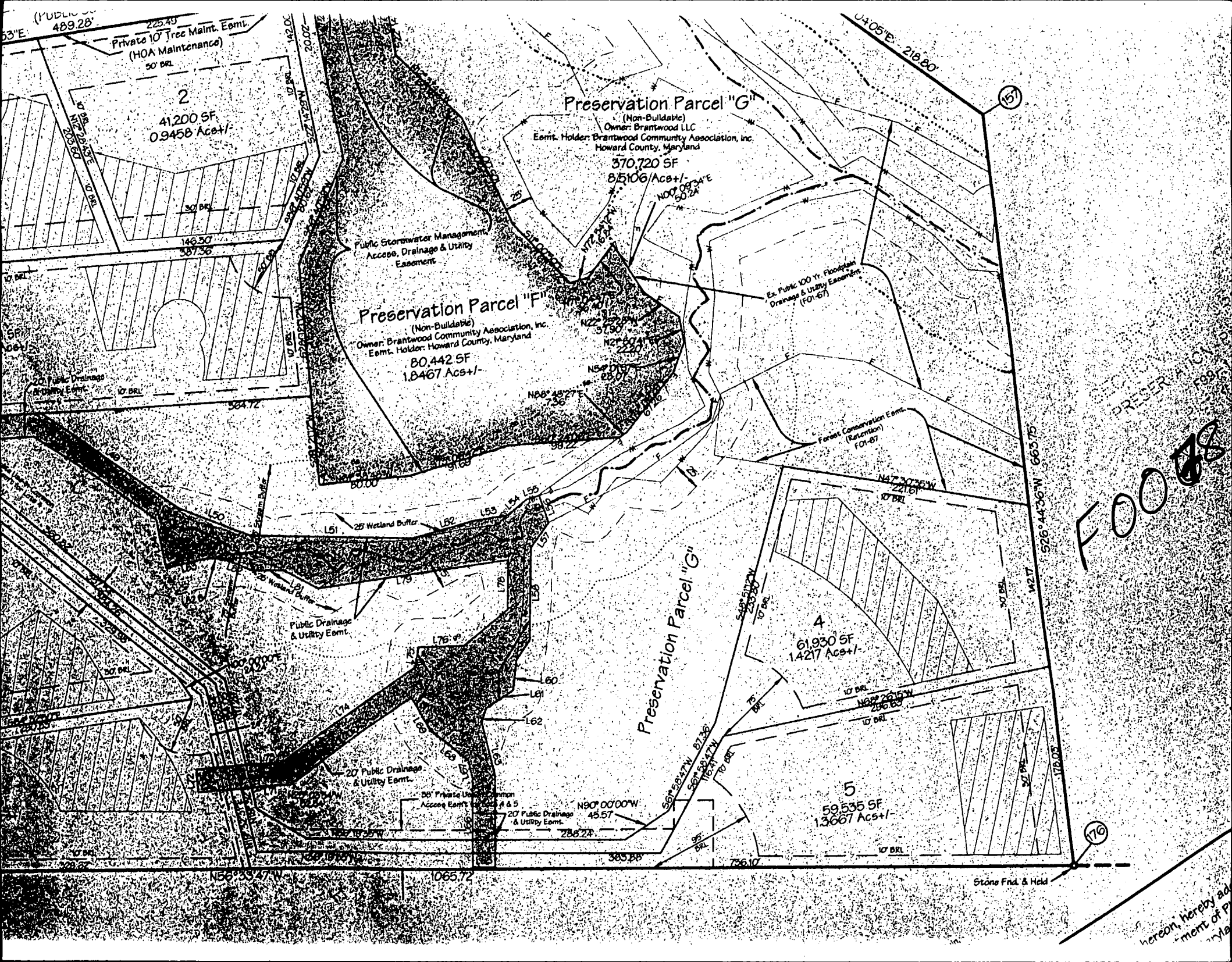
420.00.04
5.17.00

EX WETLANDS
EX 100 YR
FLOODPLAIN

96

Pres. Parcel





F0078

hereon, hereby ad
ment of p
ryla

Building Address 3121 Seneca Chief Trail
Ellicott City, MD 21042

Suite/Apt. #: — SDP/WP/Petition #: 90-96

Census Tract 360200 Subdivision Briantwood

Section 3 Area 3 Lot 32

Tax Map 16 Parcel 205 Grid 21

Zoning CDP Map Coordinates 15 F11 Lot size

Property Owner's Name James & Katherine Mann

Address 1701 Woodlore Rd

City Annapolis State MD Zip Code 21401

Home Phone 410-849-3606 Work Phone 443-271-8548

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

Phone _____ Fax _____

Existing Use vacant lot

Proposed Use New custom 2 story SF Home

Estimated Construction Cost \$ 350,000.00

Description of Work New Custom 2 story SF Home
Full Basement, Partial Fin. Bsmt, 12 RM, 4 FB, 1 HB,
3 CAR GARAGE

Contractor Company Nantucket Homes/Dorsey Inc

Contact Person Phillip Dorsey

Address 13090 Old Frederick Rd.

City Sykesville State MD Zip Code 21784

License No. HAL00322

Phone 410-442-8200 Fax 410-442-8221

Occupant or Tenant Owner

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Engineer or Architect Company LDE Inc

Contact Person _____

Address 9250 Rumsey Rd. # 106

City Columbia State MD Zip Code 21045

Phone 410-715-1070 Fax 410-715-9540

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: _____
No. of stories: _____	Public _____
Gross area, sq. ft. per floor: _____	Private _____
Use group: _____	Sewage Disposal: _____
Construction type: _____	Public _____
Reinforced Concrete _____	Private _____
Structural Steel _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/>
Masonry _____	Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Wood Frame _____	Heating System: _____
State Certified Modular _____	Electric <input type="checkbox"/> Oil <input type="checkbox"/>
	Natural Gas <input type="checkbox"/>
	Propane Gas <input type="checkbox"/>
	Sprinkler system: N/A <input type="checkbox"/>
	Full _____
	Partial _____
	Other Suppression _____
	# of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/>	Water Supply: _____
Depth _____ Width _____	Public _____
1st floor: <u>38'4"</u> <u>51'4"</u>	Private <input checked="" type="checkbox"/>
2nd floor: <u>49'</u> <u>53'</u>	Sewage Disposal: _____
Basement: <u>38'4"</u> <u>51'4"</u>	Public _____
Finished Basement <input checked="" type="checkbox"/> Unfinished Basement <input type="checkbox"/>	Private <input checked="" type="checkbox"/>
Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/>	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
No. of Bedrooms <u>5</u>	Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Multi-family dwellings: _____	Heating System: _____
No. of efficiency units: _____	Electric <input type="checkbox"/> Oil <input type="checkbox"/>
No. of 1 BR units: _____	Natural Gas <input checked="" type="checkbox"/>
No. of 2 BR units: _____	Propane Gas <input type="checkbox"/>
No. of 3 BR units: _____	Sprinkler system: N/A <input type="checkbox"/>
Other Structure: _____	NFPA #13D _____
Dimensions: _____	NFPA #13R _____
Footings: _____	Other: _____
Roof: _____	
State Certified Modular _____	
Manufactured Home _____	

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

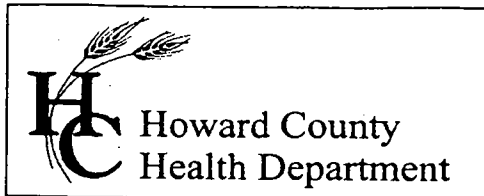
Phillip H Dorsey
 Applicant's Signature
President, Nantucket Homes/Dorsey Inc.
 Title/Company

Phillip H Dorsey
 Print Name
3-2-04
 Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY **

AGENCY	DATE	SIGNATURE APPROVAL	DPZ CHECK INFORMATION	PROPERTY ID
Development DPZ			Front _____	61234
			Side _____	100
			Side St _____	
			All-minimum setbacks met? _____	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			Is Entrance Permit required? _____	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			Is Flood District? _____	
			YES <input type="checkbox"/> NO <input type="checkbox"/>	
			Lot Coverage for New Town Zone _____	
			SDP/DPZ approval date _____	
				Accepted by <u>[Signature]</u>
Distribution of Copies	White: Building Official	Green: LDD, DPZ	Yellow: DD, DPZ	Pink: Health
				Gold: SHA

Forms PERMIT.FRM Rev. 5/17/00



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-1771 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

September 14, 2004

James & Katherine Mann
1701 Woodlore Road
Annapolis, MD 21401

SENT VIA FACSIMILE 410-442-8221

RE: Brantwood 3/3, Lot 32
3121 Seneca Chief Trail
Ellicott City, MD 21042
BP #: B00146418
Well Permit # HO-94-3087

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 08/02/2004. Final approval of the well line connection to the dwelling was approved on 08/13/2004.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3087. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 09/08/2004 & 09/13/2004
Date of Well Completion: 08/09/2001

Approving Authority,

Brian Baker
Brian Baker, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File