

LAYOUT 9/16/02 1030am INSP 4 11-15-02 10:30 *Permit Test*
 INSP 2 9/17/02 10:30 INSP 5 _____
 INSP 3 9/18/02 LATE INSP 6 _____

RPS# 339203

ISSUE DATE: 8/30/2002
 APPROVAL DATE: 11/15/02

PERMIT
INDEXED

P 517450
 A 514648

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

Hatfields Equipment IS PERMITTED TO INSTALL ALTER
 ADDRESS: 13785 Burntwoods Road, Glenelg PHONE NUMBER: 301-854-6172
 SUBDIVISION: Kenyons Range LOT NUMBER: 2
 ADDRESS: 12788 Buttercup Court PROPERTY OWNER: Catoctin Homes, Inc
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 240

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 3.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box midway between the 2 upper corner easement stakes (as shown on the building permit plan). Run trenches on contour in both directions.
NOTES:	

PLANS APPROVED: Brian Baker 8/23/02 JB Plans O.K. DATE: 8/9/2002

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

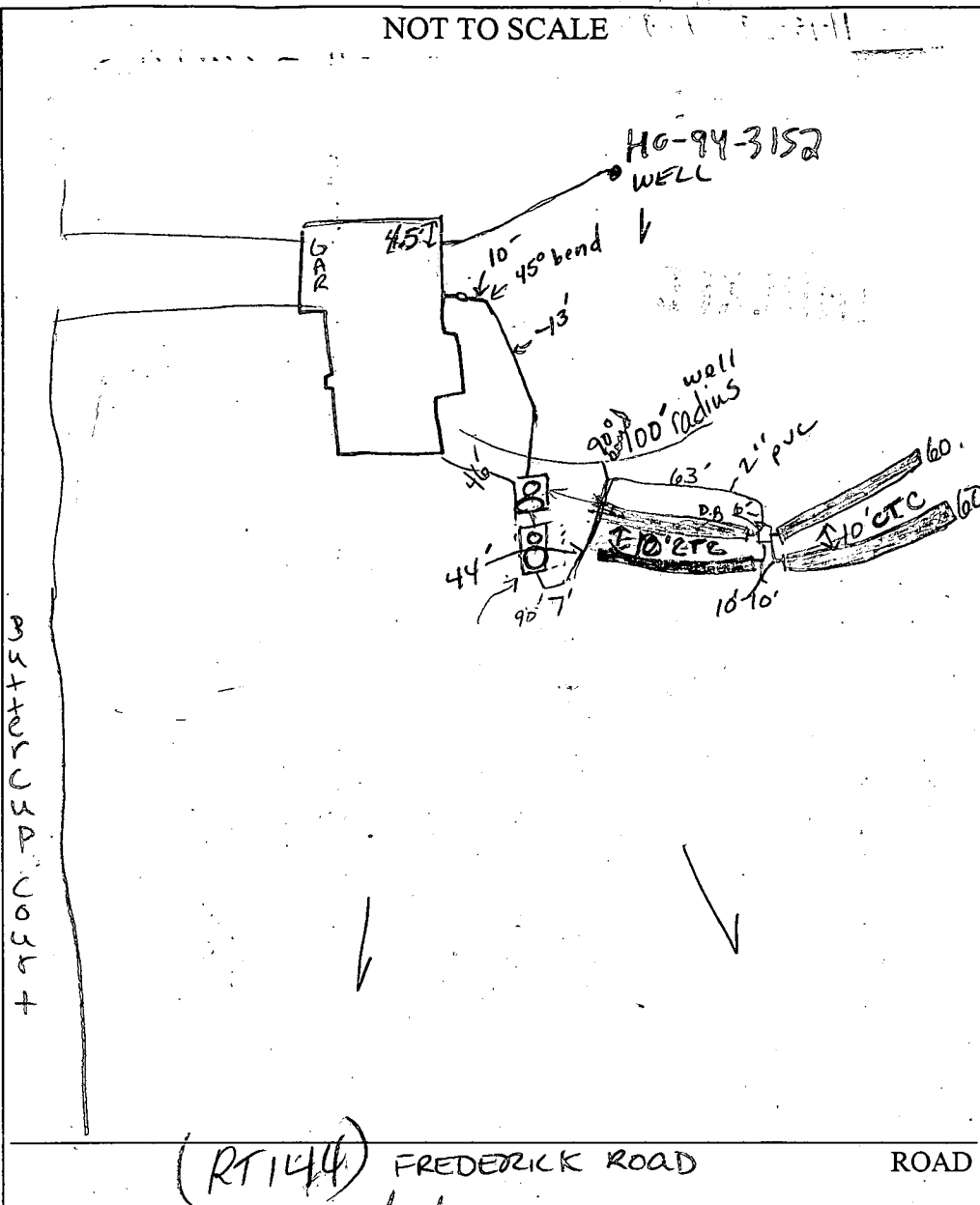
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

BUILDING PERMIT SIGNED AND RETURNED

10-9-02 600135795 - LP TANK

A514648

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		240'
ABSORPTION AREA		720ft ²
DISTRIBUTION BOX LEVEL		yes
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		<input type="checkbox"/>

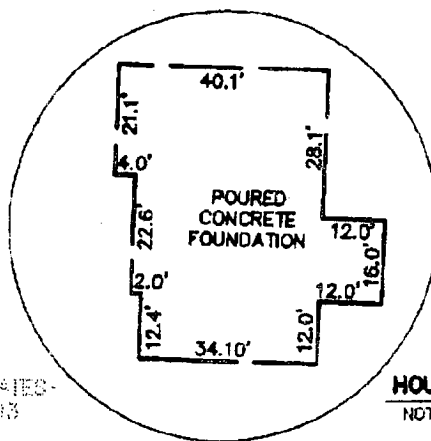
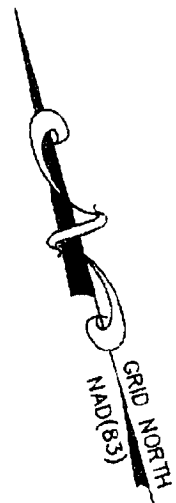
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Y
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	yes
BAFFLE FILTER	No
MANHOLE LOC	back
6" PORT LOC	front
WATERTIGHT TEST	No
SEPTIC TANK 2 LEVEL	Y
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	2'
BAFFLES	yes
BAFFLE FILTER	yes
MANHOLE LOC	back
6" PORT LOC	front
WATERTIGHT TEST	No

PRE-CONSTRUCTION 9/16/02 Wrong day, house conn moved, check well radius, will probably need P.T. (S)

INSTALLATION 9/17/02 Now a pump system, change in house elevation. Placing small stone under pipe to 1st tank. Staked & topo correct. OK TO START TRENCHES & place pump tank (KN) 11/18/02 4 trenches installed correctly. OK TO COVER. The right two trenches 10' from property line. When Pump & Alarm called in, make sure there is a D.B. Port (KN) 11/15/02. Pump and alarm working (SB)

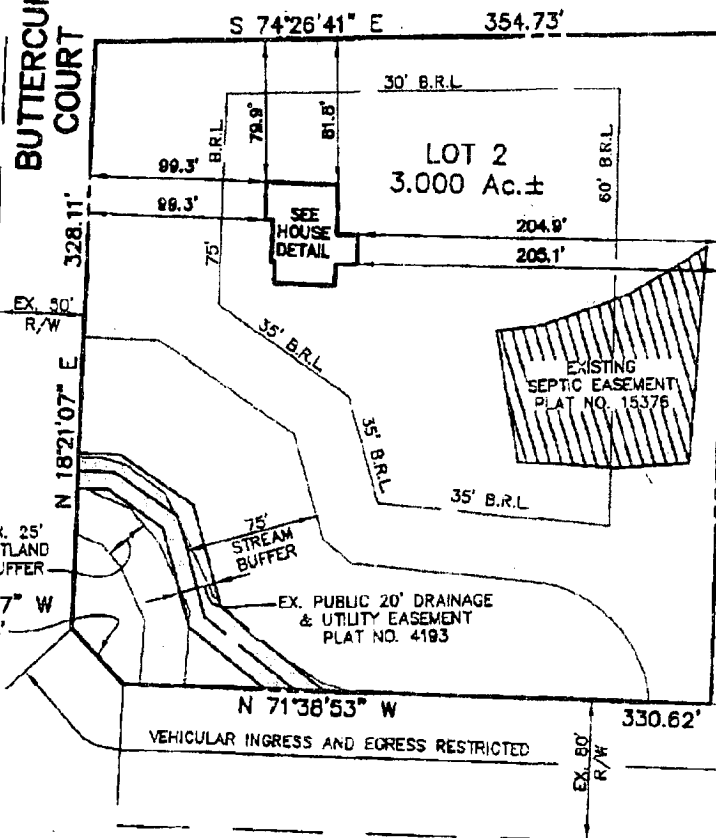
FINAL INSPECTOR B. Bauer DATE OF APPROVAL 11/15/02

BUILDING PERMIT SIGNED AND RETURNED



LOT 6
BUTTERCUP ESTATES-
PLAT NO. 4193

BUTTERCUP COURT



LOT 1
KENYON'S RANGE
LOTS 1 AND 2
PLAT No. 15376

*8/29/02
House located
as per B.P. - OK.
BB*

FREDERICK ROAD
MD ROUTE 144

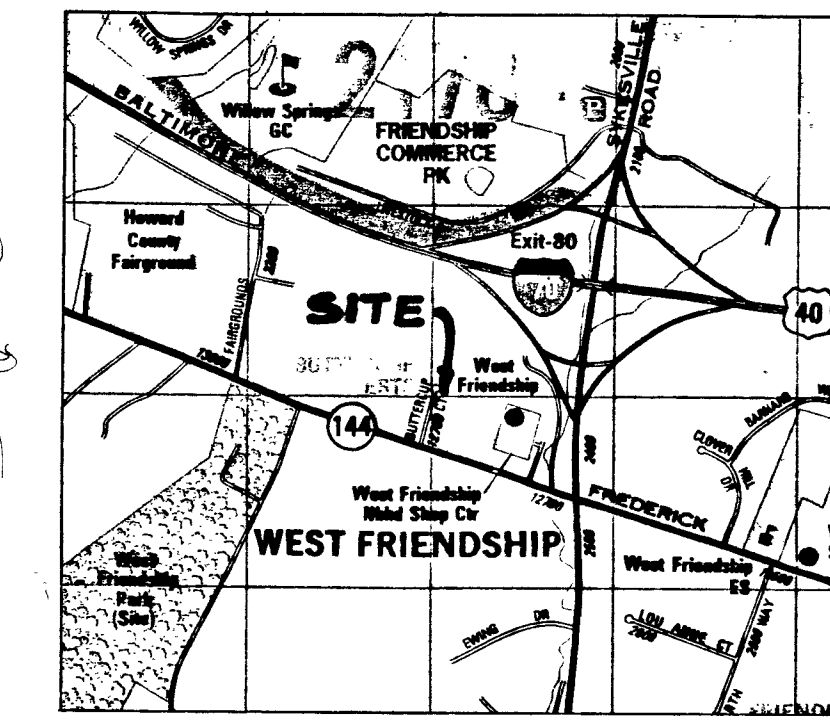
B.R.L.= BUILDING RESTRICTION LINE
TOP FOUNDATION ELEVATION = 528.78

NOTE:

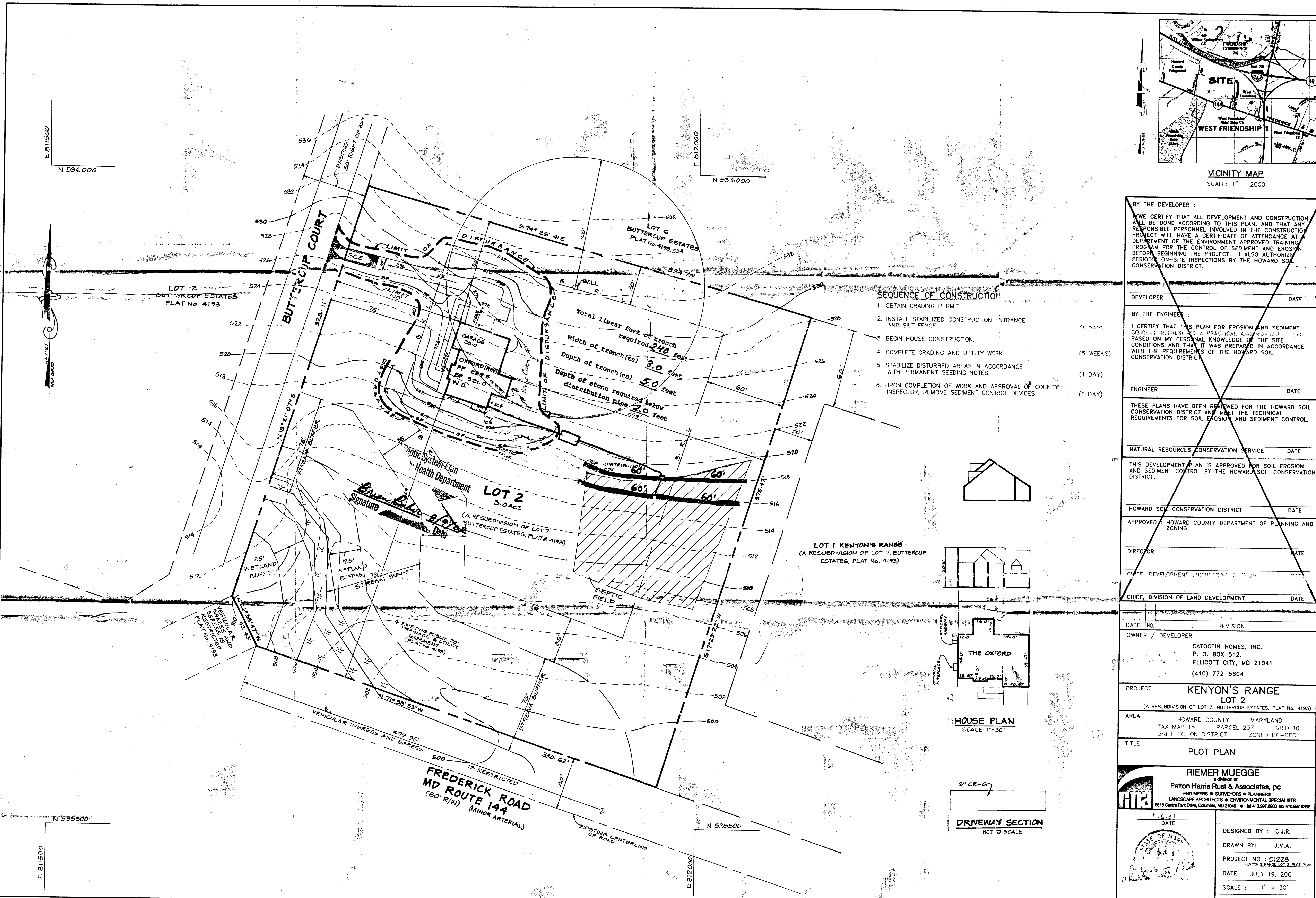
- a. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING, OR RE-FINANCING;
- b. THE PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS; AND
- c. THE PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE.
- d. THE SUBJECT PROPERTY LIES IN ZONE "C" (AREA OF MINIMAL FLOODING) PER F.I.R.M. MAP No. 240044 0007B (PANEL NOT PRINTED) FOR HOWARD COUNTY, MARYLAND.

Patton Harris Rust & Associates, pc
Engineers. Surveyors. Planners. Landscape Architects.



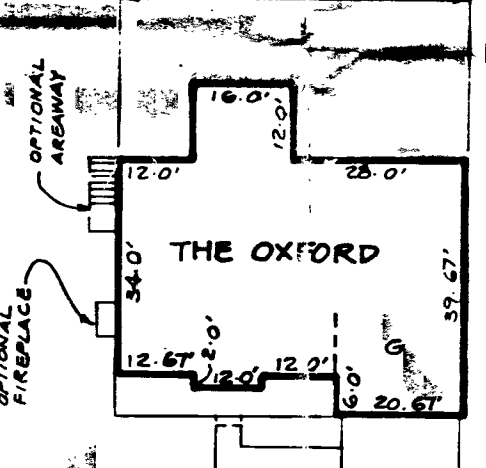
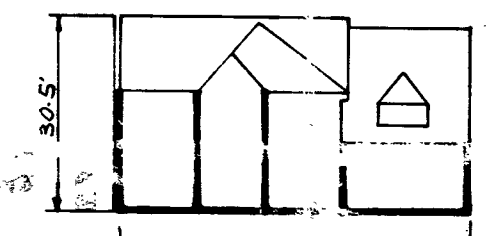
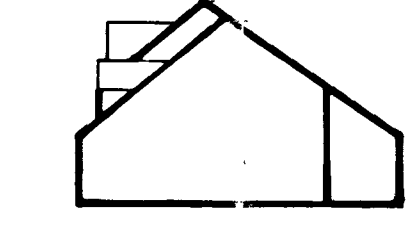


VICINITY MAP
SCALE: 1" = 2000'

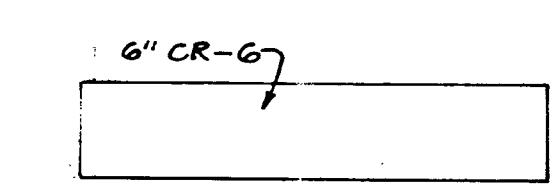


SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE (1 DAY)
3. BEGIN HOUSE CONSTRUCTION (5 WEEKS)
4. COMPLETE GRADING AND UTILITY WORK (1 DAY)
5. STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES (1 DAY)
6. UPON COMPLETION OF WORK AND APPROVAL OF COUNTY INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES (1 DAY)



HOUSE PLAN
SCALE: 1" = 30'



DRIVEWAY SECTION
NOT TO SCALE

BY THE DEVELOPER:	
I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.	
DEVELOPER	DATE
BY THE ENGINEER:	
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE SOLUTION BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.	
ENGINEER	DATE
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.	
NATURAL RESOURCES CONSERVATION SERVICE	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
HOWARD SOIL CONSERVATION DISTRICT	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
DIRECTOR	DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	
DATE NO.	REVISION
OWNER / DEVELOPER	
CATOCTIN HOMES, INC. P. O. BOX 512, ELLCOTT CITY, MD 21041 (410) 772-5804	
PROJECT	
KENYON'S RANGE LOT 2 (A RESUBDIVISION OF LOT 7, BUTTERCUP ESTATES, PLAT No. 4193)	
AREA	HOWARD COUNTY MARYLAND TAX MAP 15 PARCEL 237 GRID 10 3rd ELECTION DISTRICT ZONED RC-DEO
TITLE	
PLOT PLAN	
RIEMER MUEGGE a division of: Patton Harris Rust & Associates, pc ENGINEERS • SURVEYORS • PLANNERS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SPECIALISTS 8818 Centre Park Drive, Columbia, MD 21045 • tel 410.997.8000 fax 410.997.8282	
DATE	DESIGNED BY: C.J.R.
DATE	DRAWN BY: J.V.A.
DATE	PROJECT NO: 0122B KENYON'S RANGE LOT 2 PLOT PLAN
DATE	DATE: JULY 19, 2001
DATE	SCALE: 1" = 30'
DATE	DRAWING NO. 1 OF 2

P:\projects\0122B\Kenyon's Range Plot Plan.dwg F11 Jul 20 10:45:41 2001 RIEMER MUEGGE - A DIVISION OF

APPLICATION

PERCOLATION TESTING

A 514648

P _____

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

DISTRICT _____

DATE _____

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 MR. HOWARD KENYON

ADDRESS 12790 MARYLAND ROUTE 144 PHONE (301) 854-6492
WEST FRIENDSHIP, MD. 21794

AGENT OR PROSPECTIVE BUYER SAME AS OWNER

ADDRESS _____ PHONE _____

PROPERTY LOCATION: PROPOSED A RESUBDIVISION OF LOT 7 - BUTTERCUP
SUBDIVISION KENYON'S RANGE LOT NO. (2) ESTATE

ROAD AND DESCRIPTION PROPERTY CONTAINING 6.785 Ac.± AT NORTHEAST
CORNER OF MARYLAND ROUTE 144 AND BUTTERCUP COURT

TAX MAP 15 PARCEL # 237 GRID # 10

SIZE OF LOT LOT 1 = 3.785 Ac.± TYPE BLDG. RESIDENTIAL
LOT 2 = 3.000 Ac.± SINGLE FAMILY DETACHED
(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]
(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

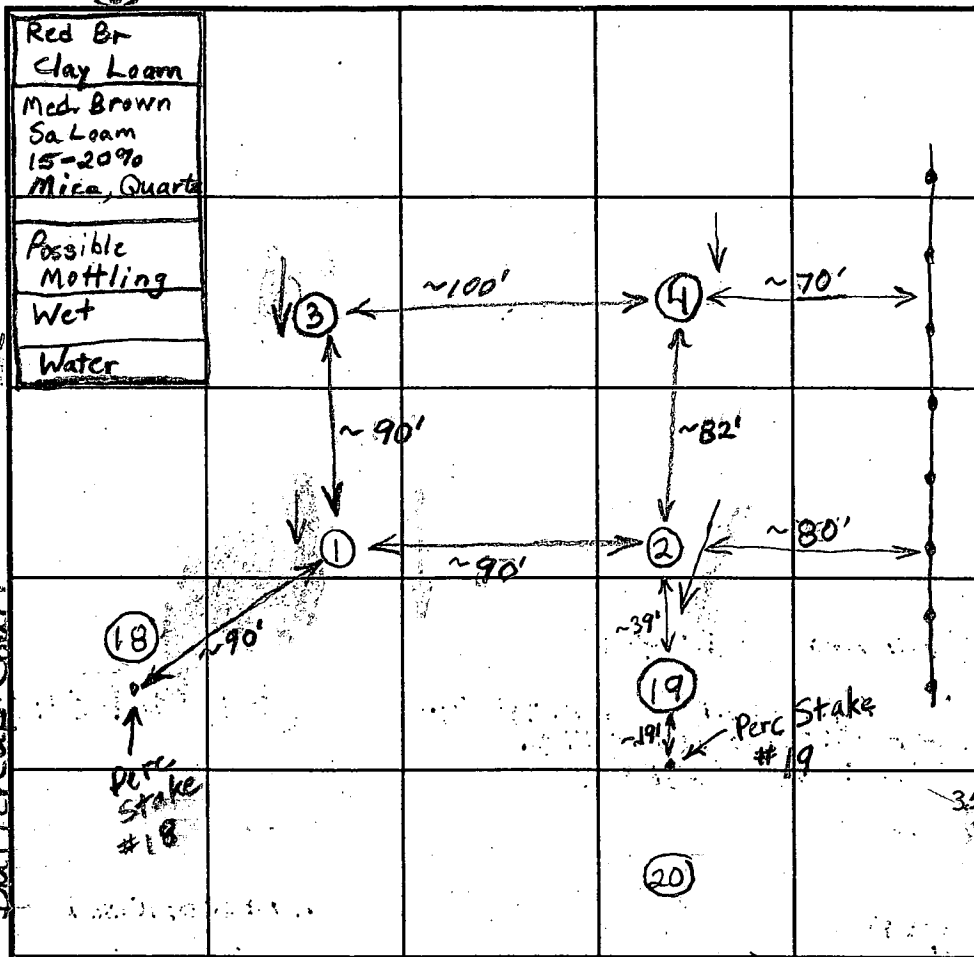
(18)

COUNTY #

SOIL PROFILE

0' ①
 3.5' Red Br Cl Loam
 7' Light Brown Micaceous Sa Loam
 9.5' ~ 10% Rock
 12' ②
 4.5' Red Br Cl Loam
 Med. Brown Micaceous Sa Loam
 ~ 10% Rock
 12' ③ ④
 3'-4' Red Br Cl Loam
 Light Br Micaceous Sa Loam
 ~ 15% Rock
 11.5'

Buttercup Court



SOIL PROFILE

0' ②
 2.5' Red Br Cl Loam
 Orange + Gray Sa Loam ~ 10% Rock
 6' Med. Gray Micaceous Sa Loam ~ 10% Rock
 9.5' Caving
 10' Water
 ③
 Red Br Cl Loam
 Med. Brown Micaceous Sa Loam ~ 20% Rock

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 144

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/13/00	1	3.5'/12'V	10:33	10:37	10:37	10:44	7
	2	4.5'/12'V	10:35	10:39	10:39	10:45	6
	3	3.5'/11.5'V	11:05	11:07	11:07	11:12	5
		6.5'	11:05	11:07	11:07	11:10	3
	4	13.5'V	— See Profile —————>				OK
	18	— See Profile —————>					(F)
	19	— See Profile —————>					Wet Season
	20	— See Profile —————>					(F)
Holes 1-4 O.K.							

REMARKS Holes 18+20 fail for insufficient depth to water table
 TYPE OF SOIL Hole 19 would require further wet season testing
 TESTED BY B. Baker ALSO PRESENT K+K, Mr. Kenyon
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 5 TRENCH WIDTH 3.0
 INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION _____

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. _____
(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

APPLICATION

PERCOLATION TESTING

A 514648

Proposal - s/d existing lot into 2 buildable lots; existing house to remain

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT _____
DATE 11/15/00

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 MR. HOWARD KENYON

ADDRESS 12790 MARYLAND ROUTE 144 WEST FRIENDSHIP, MD. 21794 PHONE (301) 854-6492

AGENT OR PROSPECTIVE BUYER SAME AS OWNER

ADDRESS _____ PHONE _____

PROPERTY LOCATION: PROPOSED A RESUBDIVISION OF LOT 7 - BUTTERCUP ESTATES
SUBDIVISION KENYON'S RANGE LOT NO. 1

ROAD AND DESCRIPTION PROPERTY CONTAINING 6.785 Ac.± AT NORTHEAST CORNER OF MARYLAND ROUTE 144 AND BUTTERCUP COURT

TAX MAP 15 PARCEL # 237 GRID # 10

SIZE OF LOT LOT 1 = 3.785 Ac.± TYPE BLDG. RESIDENTIAL SINGLE FAMILY DETACHED
LOT 2 = 3.000 Ac.± (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]
(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 _____

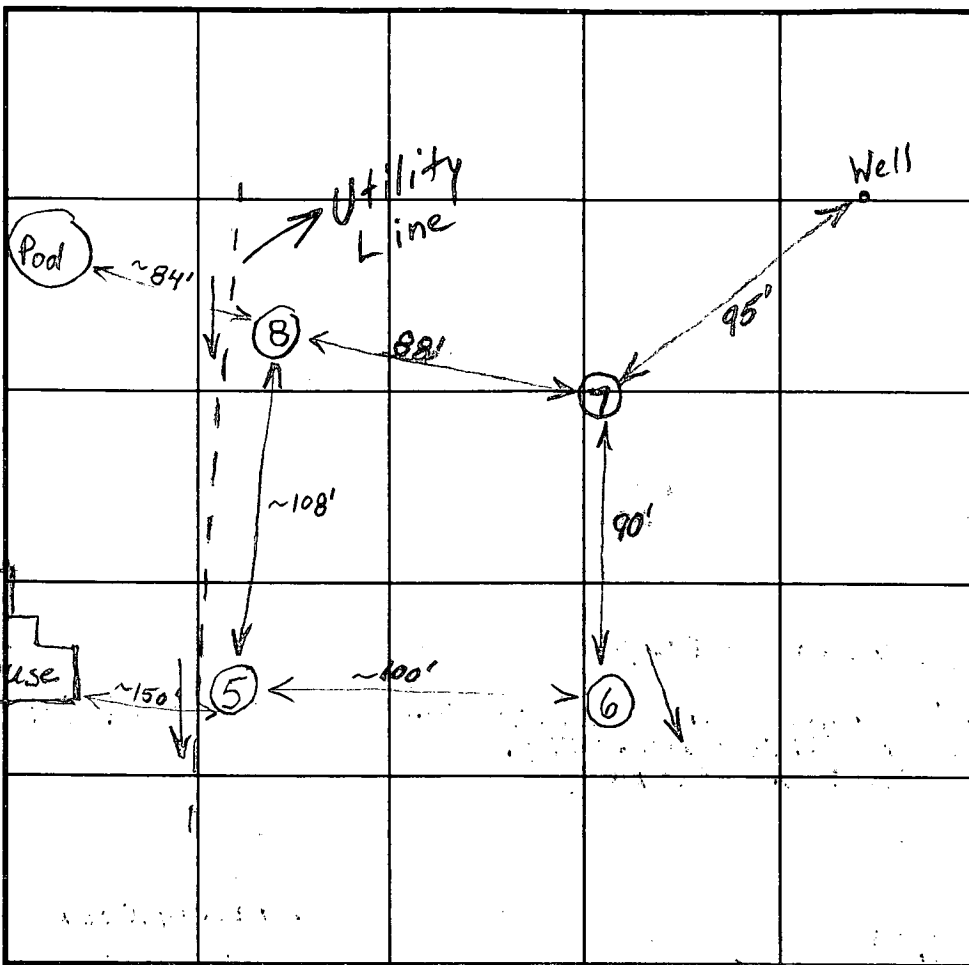
THIS IS NOT A PERMIT

used
12/12/00
10:00

COUNTY #

SOIL PROFILE

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Route 144

5
0'
Red Br
Cl Loam
3.5'-5'
Light
Brown
Micaceous
Sa Loam
~15%
Rock
11'
Light olive
Gray Sa
Loam
12'

8
0'
Red Br
Cl Loam
5'
Light
Brown
Sa Loam
~10%
Mica
12.5'

6
Red Br
Clay Loam
3.5'
Light
Br-Gray
Sa Loam
~15%
Mica,
Quartz
11.5'

7
Red Br
Clay Loam
2'
Tan Sa
Loam
10-15%
Mica
12.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/13/00	5	4' / 12' V	12:20	12:23	12:23	12:27	4
	6	3.5' / 11.5' V	12:35	12:37	12:37	12:40	3
	8	6.5' / 25' V	12:48	12:50	12:50	12:52	2
	7	12.5' V	See Profile		→		OK

REMARKS Holes 5-8 O.K.

TYPE OF SOIL _____

TESTED BY B. Baker ALSO PRESENT K+K, Mr. Kenyon

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

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: Garland Plumbing Inc Telephone #: 410-875-5303
Address: 1620 W. Old Liberty Rd
Sykesville, md

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

Name (Print): Joseph Garland, III License# 6352

*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: Catactic Homes Telephone #: 410-772-5804
Subdivision: Kennons Range Lot #: 2 Well Tag #: HO-94-3152
Site Address: 12788 Buttercup Ct

Submersible Pump Data

Make: Egolds
Model #: 76507
Pump Capacity 7 GPM
Well Yield: 12 GPM

Pitless Adapter

Make: BIF
Model #: PIDOLT
Depth: 48" (36" min)
NSF approved: Yes

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 330 (feet)

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 Yes

Piping to house

Type: Poly
PSI: 160 (160 psi min)
Depth of supply line: 43" (36" min)

House Connection

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

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

[Signature]
Signature of company representative responsible for installation

Oct. 9, 2002
date

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

Date Insp. Requested: 9/18/02 Date Insp. Approved: 11/15/02 (BB/KN) SRK

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 ✓
Adequate grout observed below pitless adapter ✓

C1 - 0613

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 AS14648

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3152

OWNER Catoctin Homes STREET OR RFD Rt. 194 and Buttercup Ct. TOWN West Friendship SUBDIVISION Kenyons Range SECTION LOT 2

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Gkale, Brown Mica, Gray Mica, Frac tied zone, Gray Mica opening, and Gray Mica.

GROUTING RECORD form including fields for GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS (19), NO. OF POUNDS (1900), GALLONS OF WATER (114), and DEPTH OF GROUT SEAL (0 to 35 ft).

CASING RECORD form including fields for MAIN CASING TYPE (ST), Nominal diameter (6 inch), and Total depth (70 feet).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), and OTHER (OT).

Administrative section including NUMBER OF UNSUCCESSFUL WELLS, WELL HYDROFRACTURED (Y), and CIRCLE APPROPRIATE LETTER (A, E, P).

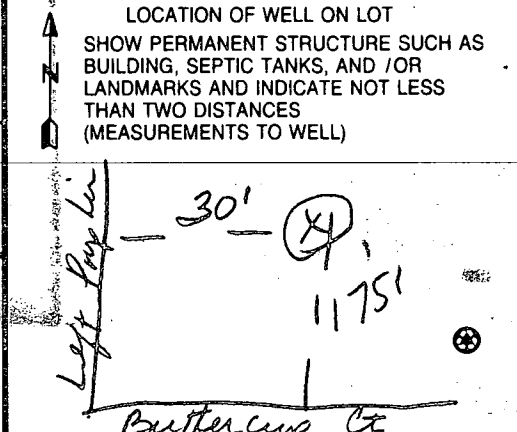
DEPTH (nearest ft.) table with columns for casing depth (1-21 ft) and screen depth (23-51 ft).

DRILLERS LIC. NO. 1 MWD 040, DRILLERS SIGNATURE (George F. Josten), LIC. NO. 1 JSDD38, and SITE SUPERVISOR information.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL, MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), and TELESCOPE CASING/LOG INDICATOR fields.

PUMPING TEST form including fields for HOURS PUMPED (3), PUMPING RATE (15 gal/min), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (53 ft before, 110 ft when pumping), and TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED form including fields for DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED PLACE (S), CAPACITY (31 gallons per minute), PUMP HORSE POWER (37), and PUMP COLUMN LENGTH (43 feet).



B 7 9290 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL W515398

STATE PERMIT NUMBER 40-94-3152 fill in this form completely

Date Received (APA) 7/16/2001 OWNER INFORMATION 8682 Catocin Homes, Inc. P. O. Box 512 Ellicott City, Md 21041

B 3 HOWARD LOCATION OF WELL Kenyon's Range West Friendship

DRILLER INFORMATION George F. Easterday M W D 040 L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21774

B 4 BUTTERCUP COURT ON WHICH SIDE OF ROAD 75 DISTANCE FROM ROAD 75 TAX MAP: 15 BLK: 10 PARCEL 237

B 2 WELL INFORMATION APPROX. PUMPING RATE 500 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD 13 A514648

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells

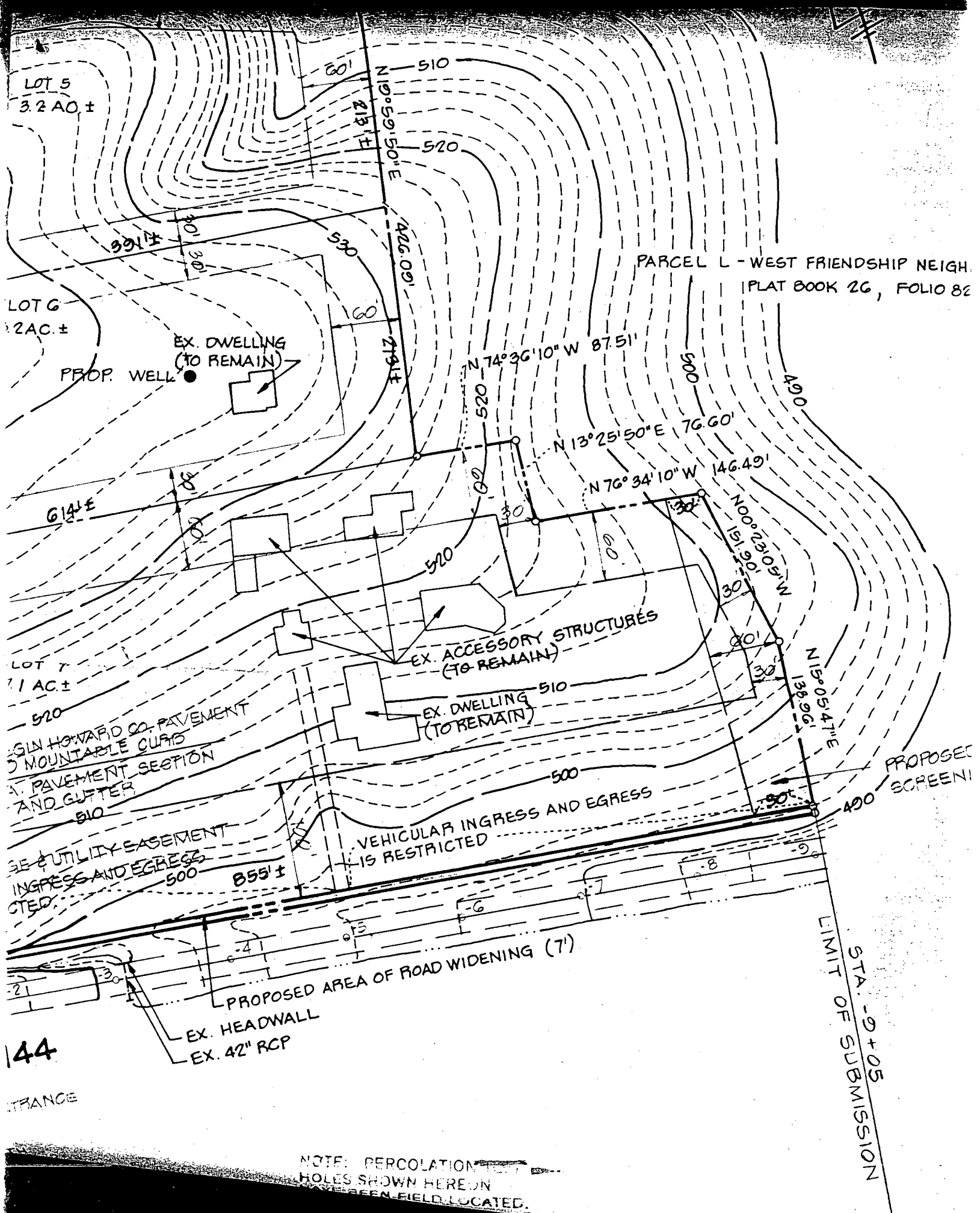
METHOD OF DRILLING (circle one) AIR-ROTARY

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

WRITE THE BOX NUMBER FROM THE MAP HERE 8152 5366 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G PERMIT No. 40-94-3152

SPECIAL CONDITIONS NOTE: APPROVING AUTHORITY(S) SHOULD USE SEPARATE SHEET IF NEEDED



LOT 5
3.2 AC ±

LOT 6
2 AC ±

LOT 7
7.1 AC ±

PARCEL L - WEST FRIENDSHIP NEIGH.
PLAT BOOK 26, FOLIO 82

EX. DWELLING
(TO REMAIN)

PROP. WELL

EX. ACCESSORY STRUCTURES
(TO REMAIN)

EX. DWELLING
(TO REMAIN)

GIN HOWARD CO. PAVEMENT
MOUNTABLE CURBS
PAVEMENT SECTION
AND GUTTER

UTILITY EASEMENT
INGRESS AND EGRESS
NOTED

VEHICULAR INGRESS AND EGRESS
IS RESTRICTED

PROPOSED
SCREENING

PROPOSED AREA OF ROAD WIDENING (7')

EX. HEADWALL
EX. 42" RCP

LIMIT OF SUBMISSION
STA. -9+05

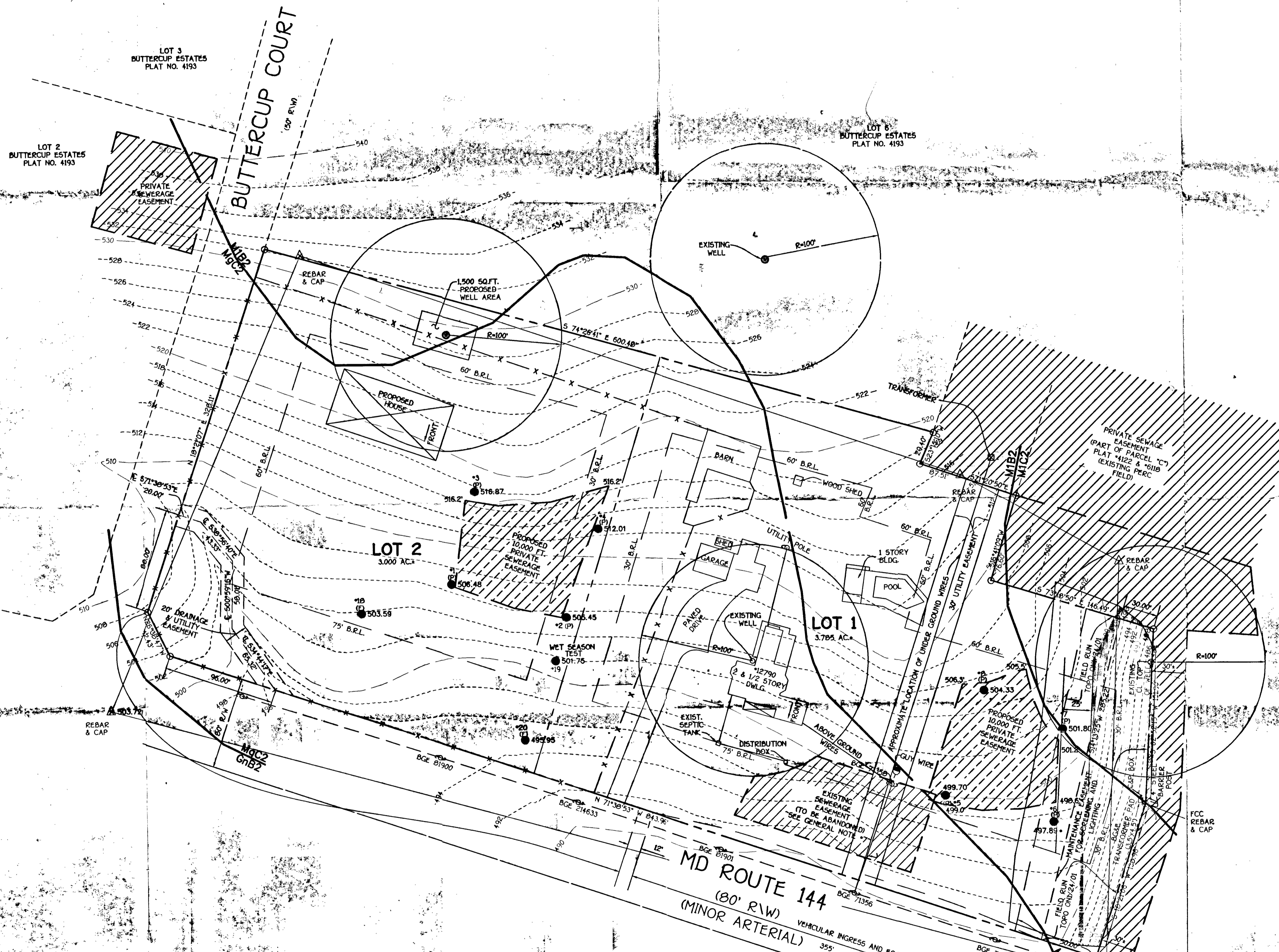
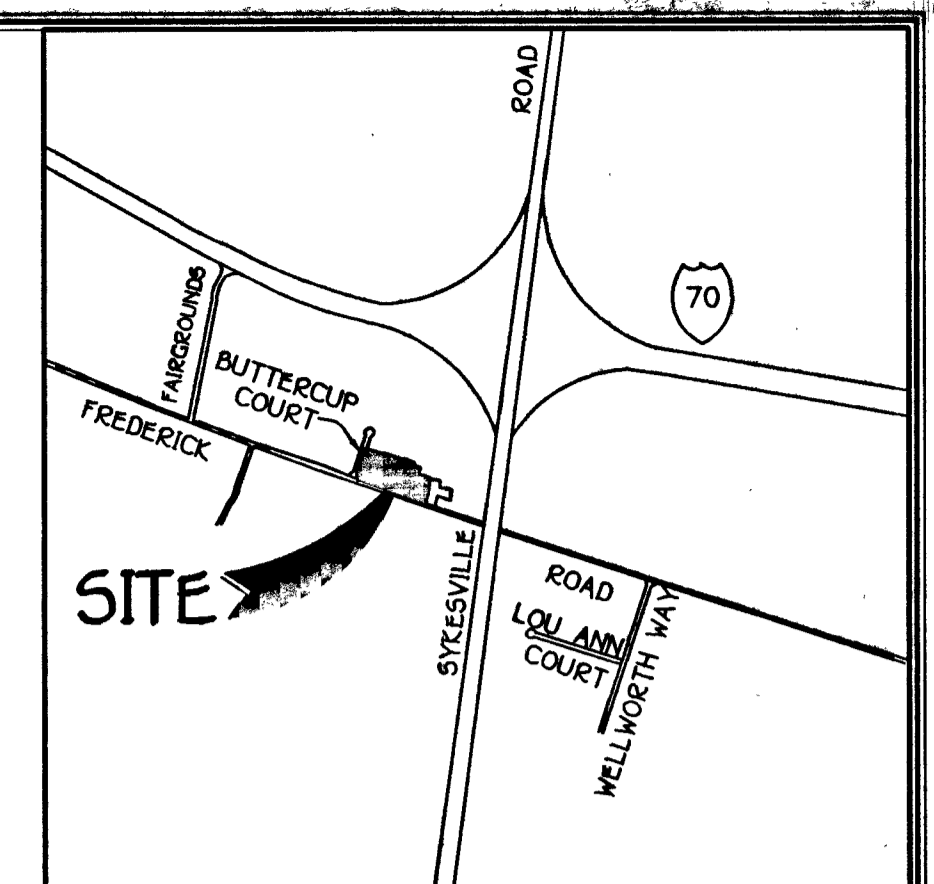
NOTE: PERCOLATION
HOLES SHOWN HEREON
HAVE BEEN FIELD LOCATED.

44

ENTRANCE

SOILS LEGEND		
SOIL	NAME	CLASS
GnB2	Glenville silt loam, 3 to 8 percent slopes, moderately eroded	C
MaC2	Major gravelly loam, 8 to 15 percent slopes, moderately eroded	B
MIC2	Major loam, 8 to 15 percent slopes, moderately eroded	B
MB2	Major loam, 3 to 8 percent slopes, moderately eroded	B

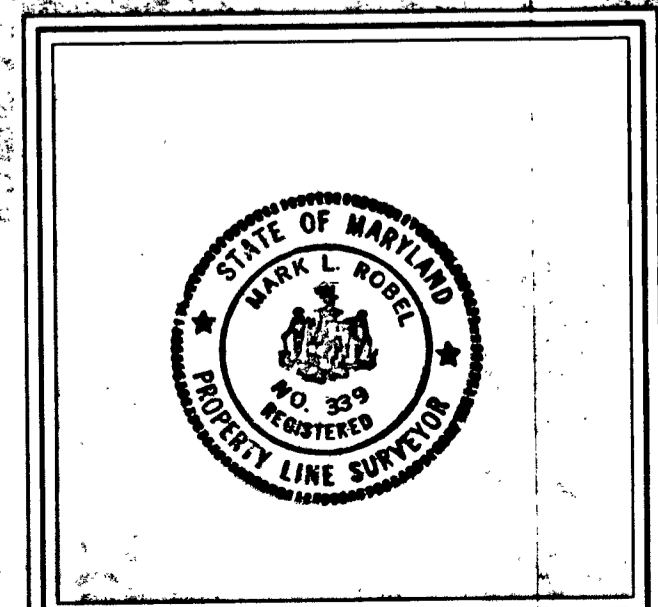
NOTES:
 * Hydric soils and/or contains hydric inclusions
 ** May contain hydric inclusions
 † Generally only within 100-year floodplain areas



- GENERAL NOTES:**
- THIS AREA DESIGNATES A PRIVATE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC 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 ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
 - THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 - ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
 - ⊙ DENOTES WELL LOCATION.
 - ⊙ DENOTES PERC HOLE LOCATION.
 - OWNER & DEVELOPER:
MR. HOWARD KENYON
12790 ROUTE 144
WEST FRIENDSHIP, MD 21794
 - UPON FAILURE OR REPLACEMENT OF THE EXISTING SEWERAGE SYSTEM SHOWN ON LOT 1, THE EXISTING SYSTEM SHALL BE ABANDONED AND RELOCATED TO THE PROPOSED SYSTEM AS SHOWN.
 - = PASSED
● = FAILED
 - ▨ = 25% SLOPES OR GREATER
 - CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.

K:\Drawings\6160897 Buttercup Estates - Lot 7\60897 Perc Cert.dwg Tue Jan 30 08:02:34 2001

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FREE
 ELLICOTT CITY, MARYLAND 21114
 (410) 461-2200



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
Sent for Signature on 2/6/01
 COUNTY HEALTH OFFICER _____ DATE _____

I CERTIFY THAT THE LOCATIONS SHOWN ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.
Mark L. Bolil
 PROFESSIONAL LAND SURVEYOR OR PROPERTY LINE SURVEYOR
 DATE 1/30/2001

PERC CERTIFICATION PLAT
KENYON'S RANGE
 LOTS 1 & 2

TAX MAP 15 ZONED:RC-DEO PARCEL:237
 THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE:1"=50' JANUARY 30, 2001
 REV. JANUARY 17, 2001

PC1514648

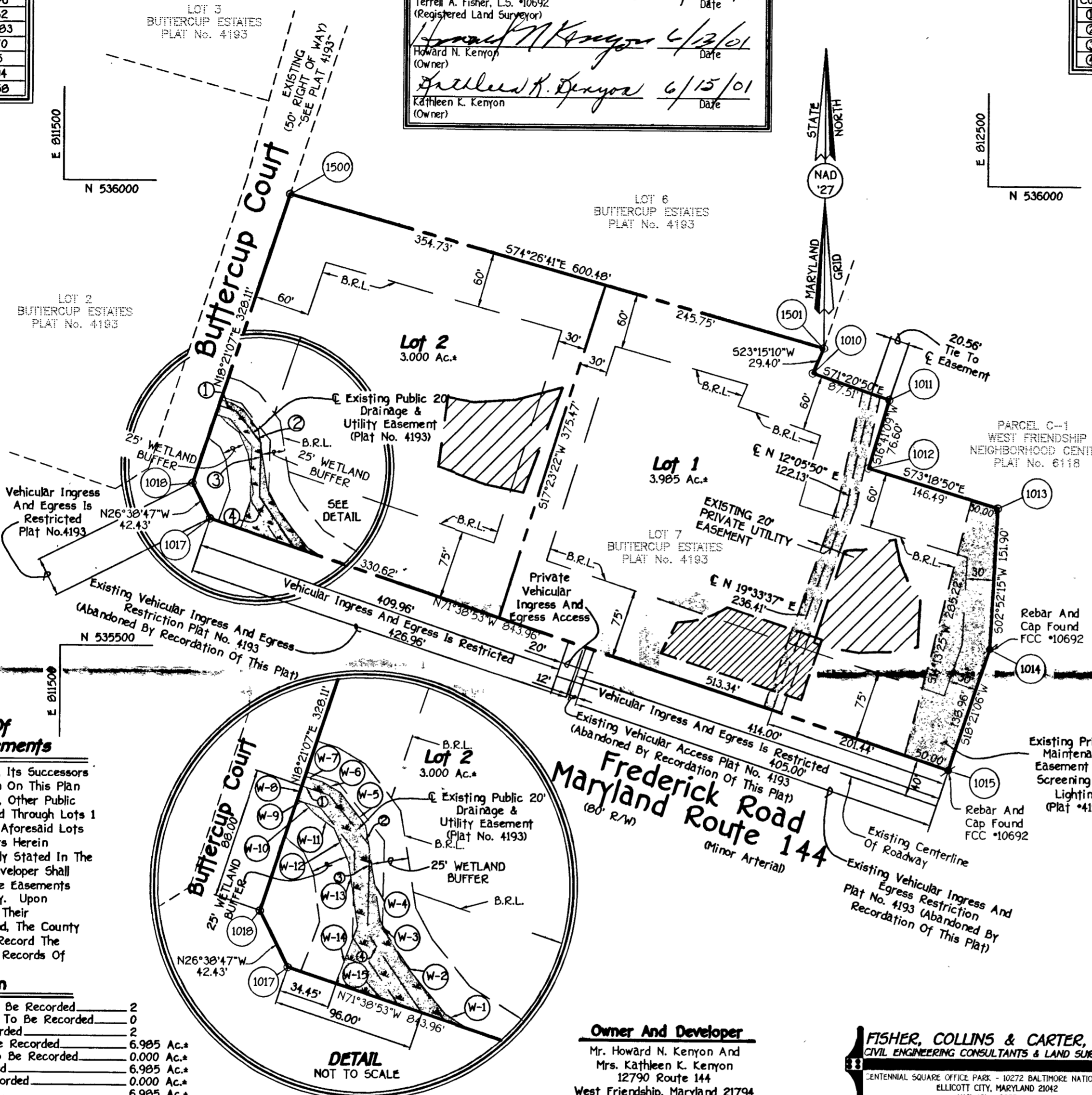
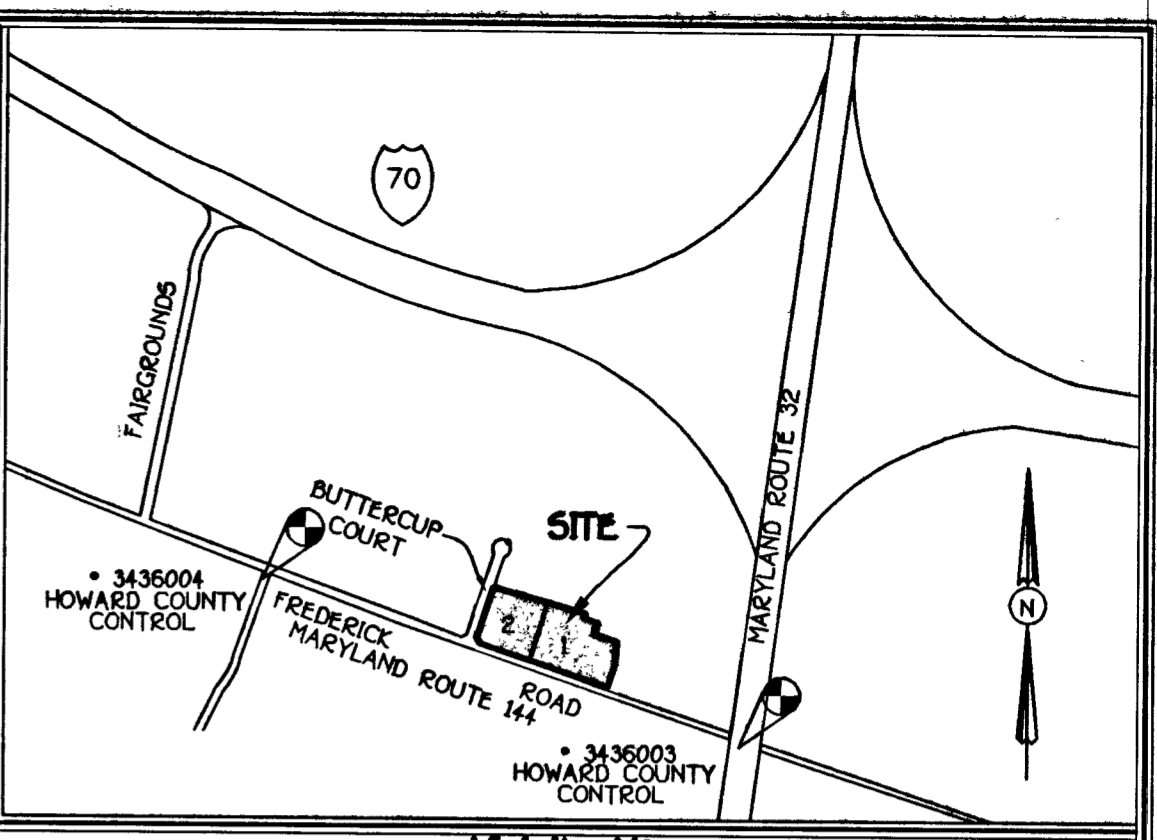
Coordinate Table		
Point	North	East
1010	535797.8647	812312.2648
1011	535769.8762	812395.1782
1012	535696.5016	812373.1846
1013	535654.4401	812513.5062
1014	535502.7308	812505.8983
1015	535370.8380	812462.1470
1017	535636.5601	811661.1085
1018	535674.4836	811642.0794
1500	535985.9061	811745.3858

WETLANDS METES AND BOUNDS TABULATIONS	
LINE	BEARING AND DISTANCE
W-1	S58°15'12"E 18.57'
W-2	N39°35'26"W 47.04'
W-3	N28°40'09"W 30.07'
W-4	N09°21'59"W 64.20'
W-5	N37°31'25"W 27.81'
W-6	N59°27'13"W 14.04'
W-7	N73°06'46"W 12.57'
W-8	S18°21'07"W 17.29'
W-9	N73°06'46"W 5.24'
W-10	S44°39'37"E 9.87'
W-11	S53°02'18"E 16.41'
W-12	S23°50'13"E 25.29'
W-13	S08°32'44"E 42.63'
W-14	S20°17'55"W 41.24'
W-15	S71°38'53"E 94.66'

The Requirements §3-108, The Real Property Article, Annotated Code Of Maryland, 1988 Replacement Volume, (As Supplemented) As Far As They Relate To The Making Of This Plat And The Setting Of Markers Have Been Complied With.

Terrell A. Fisher 6/18/01
 Terrell A. Fisher, L.S. #10692 (Registered Land Surveyor)
Howard N. Kenyon 6/12/01
 Howard N. Kenyon (Owner)
Kathleen K. Kenyon 6/15/01
 Kathleen K. Kenyon (Owner)

Existing 20' Drainage & Utility Easement Plat No. 4193	
Course	Bearing & Distance
1	S 71°38'53" E ~ 20.00'
2	S 38°56'40" E ~ 43.33'
3	S 00°59'16" W ~ 58.01'
4	S 34°44'17" E ~ 65.32'



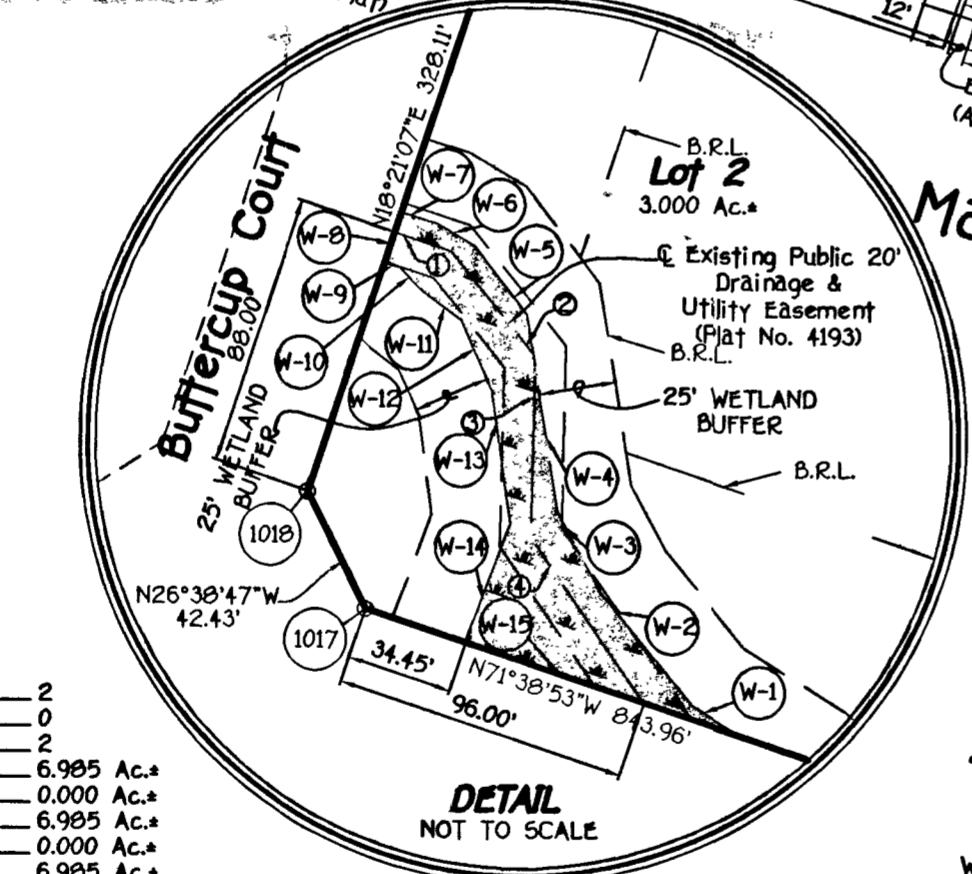
- General Notes:**
- This Area Designates An Existing Private Sewerage Easement Of 10,000 Square Feet To Be Abandoned Upon Failure Or Replacement Of Said Existing Sewerage System. The Existing System Shall Be Relocated To The Proposed System On Lot 1 As Shown.
 - This Area Designates A Private Sewerage 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 Encroachments Into The Private Sewerage Easement. Recordation Of A Modified Easement Shall Not Be Necessary.
 - The Lots Shown Hereon Comply With The Minimum Ownership Width And Lot Area As Required By The Maryland State Department Of The Environment.
 - Subject Property Zoned RC-DEO Per 10/18/93 Comprehensive Zoning Plan.
 - Coordinates Based On NAD '27, Maryland Coordinate System As Projected By Howard County Geodetic Control Station No. 3436003 & 3436004 As Shown On Record Plat Entitled "Buttercup Estates" As Plat No. 4193.
 Howard County *3436003 N. 534999.286 E. 813281.734
 Howard County *3436004 N. 536022.813 E. 810301.072
 - This Plat Is Based Plat Meridian Of Buttercup Estates, Plat No. 4193. A Field Run Monumented Boundary Survey Was Performed On Or About April 20, 2001, By Fisher, Collins And Carter, Inc. To Confirm The Boundary Outline.
 - B.R.L. Denotes Building Restriction Line.
 - Denotes Iron Pin Set Capped "F.C.C. 106".
 - Denotes Iron Pipe Or Iron Bar Found.
 - Denotes Angular Change In Bearing Or Rights-Of-Way.
 - Denotes Concrete Monument Set With Aluminum Plate "F.C.C. 106".
 - Denotes Concrete Monument Or Stone Found.
 - Use In-Common Driveways Shall Be Provided Prior To Issuance Of A Use And Occupancy Permit To Ensure Safe Access For Fire And Emergency Vehicles Per The Following (Minimum) Requirements:
 a) Width - 12 Feet (14 Feet Serving More Than One Residence);
 b) Surface - Six (6") Inches Of Compacted Crusher Run Base With Tar And Chip Coating. (1 - 1/2" Minimum);
 c) Geometry - Maximum 15% Grade, Maximum 10% Grade Change And 45-Foot Turning Radius;
 d) Structures (Culverts/Bridges) - Capable Of Supporting 25 Gross Tons (H25-Loading);
 e) Drainage Elements - Capable Of Safely Passing 100 Year Flood With No More Than 1 Foot Depth Over Surface;
 f) Structure Clearances - Minimum 12 Feet;
 g) Maintenance - Sufficient To Ensure All Weather Use.
 - All Lot Areas Are More Or Less (±).
 - Previous Department Of Planning And Zoning File Nos. F-79-56 And VP-78-19.
 - A Fee In Lieu Of Open Space Will Be Paid In The Amount Of \$1500.00. Lot #1 Is Exempt From Open Space Obligations.
 - No 100 Year Floodplain Exists On Lots 1 And 2.
 - Landscape For Lots 1 And 2 Is Provided In Accordance With A Certified Landscape Plan On File With This Plat In Accordance With Section 16.124 Of The Howard County Code And Landscape Manual. Financial Surety For Lots 1 And 2 Will Be Paid With The Builders Grading Permit Application.
 - There Is An Existing Dwelling Located On Lot 1 And Is To Remain. No New Buildings, Extensions Or Additions To The Existing Dwelling Are To Be Constructed At A Distance Less Than The Required Zoning Regulations.
 - There Are Accessory Structures (Barns, Sheds, Garage & Pool) Located On Lot 1 And Are To Remain. No New Buildings, Extensions Or Additions Are To Be Constructed At A Distance Less Than The Required Zoning Regulations.
 - Wetlands Exist On The Site And Are Based On A Site Evaluation By Eco-Science Professionals, Inc. On Or About March 21, 2001 And Field Surveyed By Fisher Collins & Carter, Inc.
 - Denotes Wetlands.
 - This Project Is Exempt From The Requirements Of Section 16.1202(b)(ix)(viii) Of The Howard County Code For Forest Conservation.

Reservation Of Public Utility Easements

"Developer Reserves Unto Itself, Its Successors And Assigns, All Easements Shown On This Plan For Water, Sewer, Storm Drainage, Other Public Utilities, Located In, On, Over, And Through Lots 1 Thru 2, Any Conveyances Of The Aforesaid Lots Shall Be Subject To The Easements Herein Reserved, Whether Or Not Expressly Stated In The Deeds) Conveying Said Lot(s). Developer Shall Execute And Deliver Deeds For The Easements Herein Reserved To Howard County. Upon Completion Of The Public Utilities Their Acceptance By Howard County, And, The County Shall Accept The Easements And Record The Deeds) Of Easement In The Land Records Of Howard County."

Area Tabulation

Total Number Of Buildable Lots To Be Recorded	2
Total Number Of Open Space Lots To Be Recorded	0
Total Number Of Lots To Be Recorded	2
Total Area Of Buildable Lots To Be Recorded	6.985 Ac.±
Total Area Of Open Space Lots To Be Recorded	0.000 Ac.±
Total Area Of Lots To Be Recorded	6.985 Ac.±
Total Area Of Roadway To Be Recorded	0.000 Ac.±
Total Area To Be Recorded	6.985 Ac.±



Owner And Developer
 Mr. Howard N. Kenyon And
 Mrs. Kathleen K. Kenyon
 12790 Route 144
 West Friendship, Maryland 21794

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 481 - 2855

PURPOSE NOTE:
 The Purpose Of This Plat Is To Revise The Point Of Ingress And Egress For Lot 1 And To Create Two (2) Buildable Lots From One (1) Existing Building Lot.

APPROVED: For Private Water And Private Sewerage Systems,
 Howard County Health Department.

Howards County Health Officer _____ Date _____

APPROVED: Howard County Department Of Planning And Zoning.

Chief, Development Engineering Division _____ Date _____

Director _____ Date _____

Owner's Certificate

Howard N. Kenyon And Kathleen K. Kenyon, Owners Of The Property Shown And Described Hereon, Hereby Adopt This Plan Of Subdivision, And In Consideration Of The Approval Of This Final Plat By The Department Of Planning And Zoning, Establish The Minimum Building Restriction Lines And Grant Unto Howard County, Maryland, Its Successors And Assigns: (1) The Right To Lay, Construct And Maintain Sewers, Drains, Water Pipes And Other Municipal Utilities And Services In And Under All Roads And Street Rights-Of-Way And The Specific Easement Areas Shown Hereon; (2) The Right To Require Dedication For Public Use The Beds Of The Streets And/Or Roads And Floodplains And Open Space Where Applicable And For Good And Other Valuable Consideration, Hereby Grant The Right And Option To Howard County To Acquire The Fee Simple Title To The Beds Of The Streets And/Or Roads And Floodplains, Storm Drainage Facilities And Open Space Where Applicable; (3) The Right To Require Dedication Of Waterways And Drainage Easements For The Specific Purpose Of Their Construction, Repair And Maintenance; And (4) That No Building Or Similar Structure Of Any Kind Shall Be Erected On Or Over The Said Easements And Rights-Of-Way. Witness My Hand This 15th Day Of June, 2001.

Howard N. Kenyon
 Howard N. Kenyon
Kathleen K. Kenyon
 Kathleen K. Kenyon

Witness

Surveyor's Certificate

I Hereby Certify That The Final Plat Shown Hereon Is Correct; That It Is A Subdivision Of All Of The Lands Conveyed By Chester E. Grimes And Dolores E. Grimes To Howard N. Kenyon And Kathleen K. Kenyon By Deed Dated May 29, 1979 And Recorded Among The Land Records Of Howard County, Maryland In Liber No. 942 At Folio 573, And That All Monuments Are In Place Or Will Be In Place Prior To Acceptance Of The Streets In The Subdivision By Howard County, Maryland As Shown, In Accordance With The Annotated Code Of Maryland, As Amended, And Monumentation Is In Accordance With The Howard County Subdivision Regulations.

Terrell A. Fisher
 Terrell A. Fisher, Professional Land Surveyor No. 10692
 Date 6/18/01

RECORDED AS PLAT No. _____ ON _____
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

Kenyon's Range
 Lots 1 And 2
 (A Resubdivision Of Lot 7, Buttercup Estates, Plat No. 4193)

Zoned: RC-DEO

Tax Map: 15 Parcel: 237 Grid: 10
 Third Election District: Howard County, Maryland

Scale: 1" = 100'

Date: June 5, 2001

Sheet 1 of 1
 F01-

W:\Drawings\6160897 Buttercup Estates - Lot 7\60897 Record plat.dwg Thu Jul 07 08:38:30 2001 NEWTON-VANCE

