

1/18/02 2/4/02 2/13/02 pm H/a
3:00
Layout
11:00

ISSUE DATE: 1/17/2002

APPROVAL DATE: 2/18/02

PERMIT
INDEXED

05-431387

P 516477-B

A 510227

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

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Highland Meadows LOT NUMBER: 22

ADDRESS: 13450 Brighton Dam Road PROPERTY OWNER: Select Homes, Inc

SEPTIC TANK CAPACITY (GALLONS): 1250

PUMP CHAMBER CAPACITY (GALLONS): N/A

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 280

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 1.5 feet of stone below distribution pipe.
LOCATION:	Place the distribution box 190' off the front lot line and 140' from the right lot line. Run (3) trenches on contour to right side of lot.
NOTES:	Re-test in right front lot corner suggested to builder due to rock concerns in approved septic easement.

PLANS APPROVED: MER (K6) OUSRU 1/16/02 DATE: 9/18/01

- 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

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
3/9/02
600 134692 - PROPANE TANK

4510227

9/18/01 BLDG ADVISED BY SAN TO ATTEMPT TO FIND BETTER SOILS IN EXTREME RIGHT FRONT LOT CORNER DUE TO RX CONCERNS; RECOMMENDATION, NOT REQ'MENT AT THIS STAGE

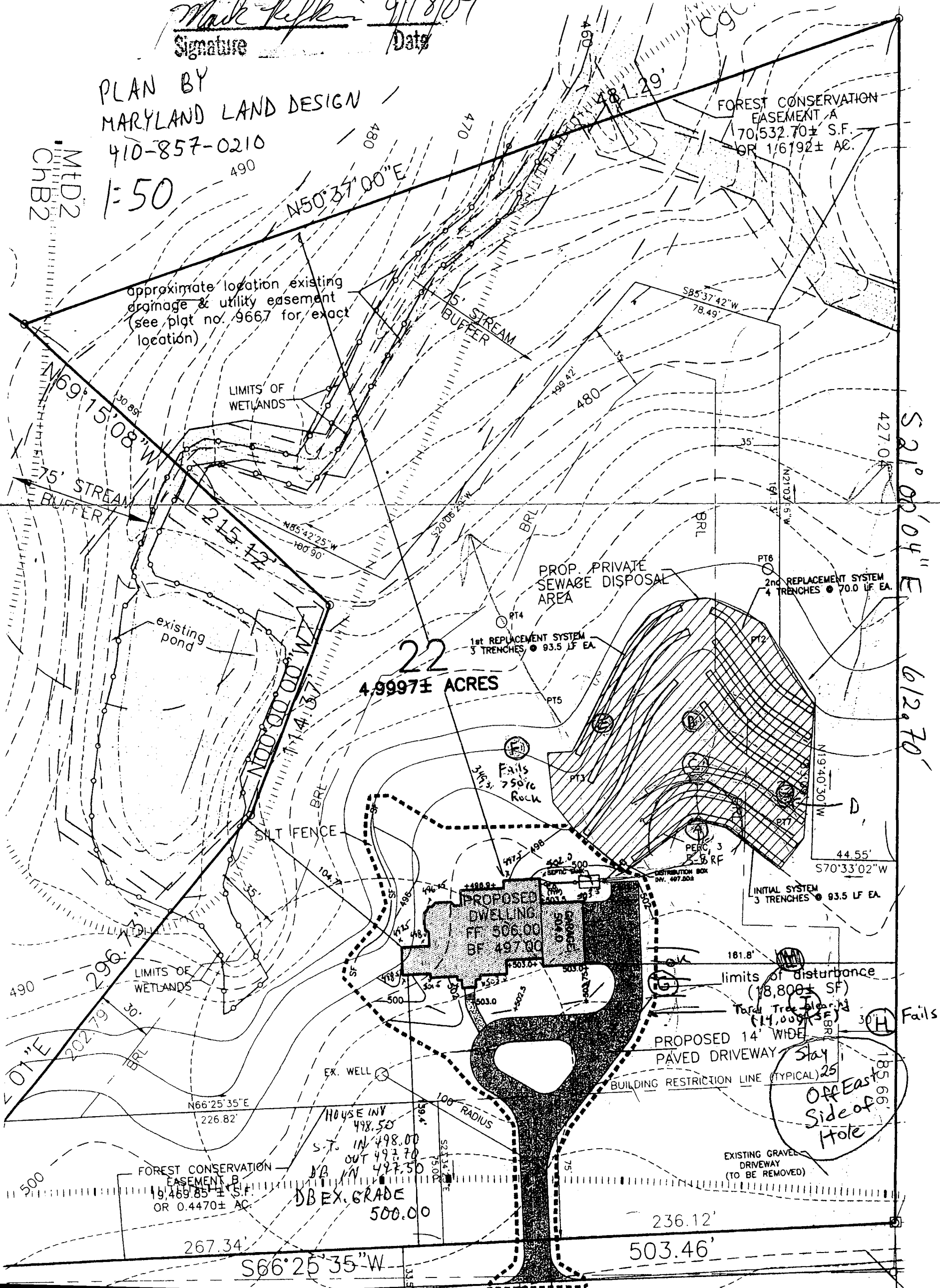
Total linear feet of trench required 280 feet
 width of trench(es) 3 feet
 depth of trench(es) 4 feet
 Depth of stone required below distribution pipe 1.5 feet

Approved Septic System Plan
 Howard County Health Department

Mark Repp 9/18/01
 Signature Date

PLAN BY
 MARYLAND LAND DESIGN
 410-857-0210
 1:50

MFD2
 CHB2



22
 4.9997± ACRES

limits of disturbance (18,800± SF)
 Total Tree Planting (14,000± SF)
 Stay OFF East Side of Hole

S 21° 00' 04" E
 612.70'

HOUSE INV 498.50
 S.T. IN 498.00
 OUT 497.70
 DB IN 497.50
 DB EX. GRADE 500.00

FOREST CONSERVATION EASEMENT B
 19,469.85± S.F.
 OR 0.4470± AC.

INITIAL SYSTEM
 3 TRENCHES • 83.5 LF EA.

PROPOSED DWELLING
 FF 506.00
 BF 497.00

PROPOSED 14' WIDE
 PAVED DRIVEWAY

BUILDING RESTRICTION LINE (TYPICAL)

EXISTING GRAVEL DRIVEWAY
 (TO BE REMOVED)

267.34' S66°25'35"W 503.46'

Building Address 13450 Brighton Dam
Clarksville md 21029
 Suite/Apt. #: --- SDP/WP/Petition #: ---
 Census Tract 605101 Subdivision Highland meadows
 Section --- Area --- Lot 22
 Tax Map 34 Parcel 169 Grid 14
 Zoning RR Map Coordinates 13K8 Lot size 4.99 ac

Property Owner's Name Select Homes Inc
 Address 48411 Surfside Dr
 City Lexington Park State Md Zip Code 20653
 Home Phone 240-375-4326 Work Phone 301 737-2600
 Applicant's Name & Mailing Address, (if other than stated hereon):
 Phone _____ Fax _____

Existing Use Raw land
 Proposed Use New construction new SB
 Estimated Construction Cost \$ 275K
 Description of Work New construction ^{new custom} single family home
Attached 3 car garage, 4 Bedroom 3 1/2 Baths
Fan RA, MORN RM, SW RM 3 car garage

Contractor Company Select Homes
 Contact Person Sal Migliore
 Address 48411 Surfside Dr
 City Lexington Park State Md Zip Code 20653
 License No. 374
 Phone 240-375-4326 Fax 301 924-0783

Occupant of Tenant OWNER
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Engineer or Architect Company Maryland land design
 Contact Person Doug Barmoy
 Address 2001 Meadow Drive
 City MT Airy State Md Zip Code 21158
 Phone 410-857-0210 Fax 410-840-0143

BUILDING DESCRIPTION - COMMERCIAL

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

BUILDING DESCRIPTION - RESIDENTIAL

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

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE OR SHE IS APPLICANT TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE OR SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY; (4) THAT HE OR SHE WILL BE RESPONSIBLE FOR THE APPROVAL OF THIS APPLICATION; (5) THAT HE OR SHE AGREES TO PAY THE COST OF THIS APPLICATION TO THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AND TO THE CITY OF CLARKSVILLE.

Applicant's Signature [Signature]
 Title/Company P. of Operations

Print Name Sal Migliore
 Date 8-18-01

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY **
FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID
Land Development, DPZ			Front: _____ Rear: _____ Side: _____ Side 2: _____	51923
State Highways			All minimum setbacks met? <input type="checkbox"/> YES <input type="checkbox"/> NO	
Building Official	<u>9/18/01</u>	<u>[Signature]</u>		
Dev. Engineering, DPZ				
Health				
Fire Protection				

signed 9/18/01 M. Larkin

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648
1771**

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: RWR PLUMBING INC Telephone #: 410-531-2981
Address: 2433 WOOD STREAM CT
ELLICOTT CITY 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): ROBERT T. KELLY License# 4605

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

Name of Property Owner: BELLA ROMA HOMES Telephone #: 240-325-4326
Subdivision: Highland Meadows Lot #: 22 Well Tag #: HO - 94 2993
Site Address: 13450 BRIGHTON DAM RD

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>WACO 221</u>	Make: <u>CAMPBELL</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>T75451EB-52 3/4HP</u>	Model#: <u>B300X</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity <u>5</u> GPM	Depth: <u>42</u> " (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>4.1</u> GPM	NSF/WSC approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <u>YES</u>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <u>YES</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" BLACK WELL TUBING</u>	PVC sleeve to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>300</u> (160 psi min)	Approximate length of sleeve: <u>7'</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>YES</u>

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 Kelly date: 3-1-02

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

Date Insp. Requested: _____ Date Insp. Approved: 3/1/02 Inspector: se

Inspection Data:

Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u>
Two piece cap installed and attached to casing securely	<u>✓</u>
Elec. conduit extends at least 18" below grade/attached to cap properly	<u>✓</u>
Safety rope not seen outside of well cap/casing	<u>✓</u>
Correct well tag attached properly and casing 8" above finished grade	<u>✓</u>
Water supply line sleeved adequately at house connection	<u>✓</u>
Adequate grout observed below pitless adapter	<u>✓</u>

C1 0837
 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED
 COUNTY NUMBER 510227
 PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-2993

ST/CO USE ONLY
 DATE RECEIVED
 MM DD YY
 8 13

DATE WELL COMPLETED
 MM DD YY
 3 27 01

Depth of Well
 22 300 26
 (TO NEAREST FOOT)

OWNER Baxter David
 STREET OR RFD Brighton Dam Road TOWN Highland
 SUBDIVISION Highland Meadows SECTION _____ LOT 22

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 Soil	0	3	
Brown and gray weathered rock	3	32	
Gray bedrock gneiss	32	300	
Grout level 120' = 5 gpm			✓
Grout level 245' = + 2 gpm			✓

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT BENTONITE CLAY
 NO. OF BAGS 21 NO. OF POUNDS 1874
 GALLONS OF WATER 126
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 TOP ft. to 40 BOTTOM 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
 Nominal diameter top (main) casing (nearest inch): 6
 Total depth of main casing (nearest foot): 40

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

DRILLERS LIC. NO. 1 MUD 523
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MUD 346

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

C2 DEPTH (nearest ft.)

E	8	11	15	17	21
A					
C					
H	23	24	26	30	32
S					
C					
R	38	39	41	45	47
E					
E					
N					

SLOT SIZE 1 — 2 — 3 —

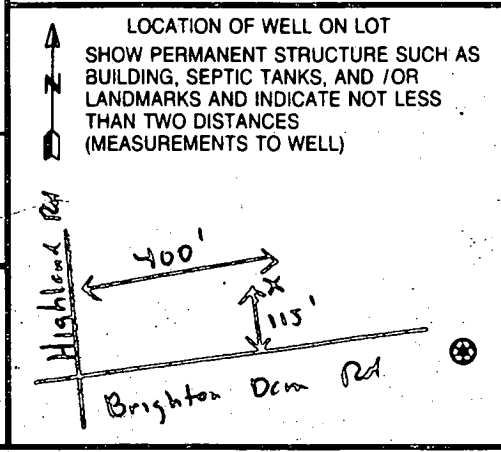
DIAMETER OF SCREEN (NEAREST INCH)
 from 58 to 60

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

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

C3 PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min.) 4.18
 METHOD USED TO MEASURE PUMPING RATE blow yield
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 22 ft.
 WHEN PUMPING NA 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 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
 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 } 2 (nearest foot)



SEQUENCE NO. (MDE USE ONLY)
 1 2 3 4 5 6
 1237

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 W514920 please print or type

STATE PERMIT NUMBER
 HO-94-2993
 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 8 MM DD YY 13
 Baxter David
 15 Last Name Owner First Name 34
 11938 Lime Kiln Road
 36 Street or RFD 55
 Fulton MD 20759
 57 Town 70 State 72 Zip 76

LOCATION OF WELL
 B 3
 Howard
 8 COUNTY 21
 Highland meadows
 23 SUBDIVISION 42
 SECTION 44 46 LOT 22 48 50
 Clarksville
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 2 73 76 77 78 79

DRILLER INFORMATION
 Gross P. Myers MWD 523
 76 Driller's Name License No. 81
 B L Myers Bros.
 Firm Name
 511 Pegasus Ct Suite V Frederick MD 21704
 Address
 Signature Date 2/5/01

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 B 4
 1 2
 N W E S
 8-9 8-9 8-9 8-9
 TOWN
 W E S W E S
 8-9 8-9 8-9 8-9

Brighton Dam Rd
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH
 WEST EAST
 SOUTH
 34 80 37
 DISTANCE FROM ROAD FT 38 39
 ENTER FT OR MI
 TAX MAP: 34 BLK: PARCEL 169

WELL INFORMATION
 B 2
 1 2
 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 2500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 22 I INDUSTRIAL, COMMERCIAL, DEWATERING
 P PUBLIC WATER SUPPLY WELL
 T TEST, OBSERVATION, MONITORING
 G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard Co A510227
 COUNTY NAME COUNTY NO
 STATE SIGNATURE INSERT S 41
 DATE ISSUED 2/21/01 2/21/02
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID 490 000 EAST GRID 800 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28

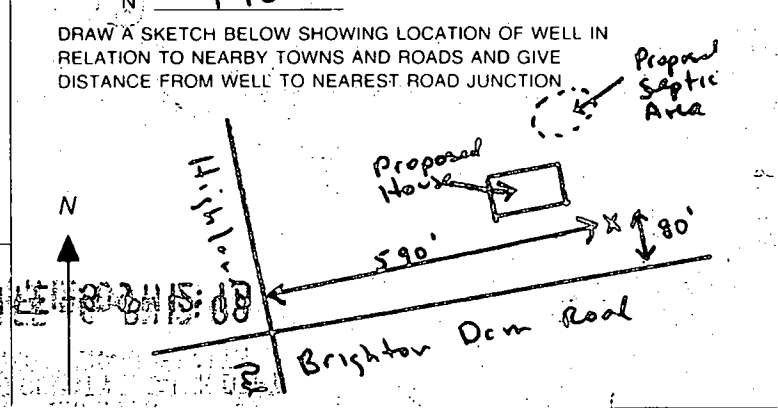
APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST INCH

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

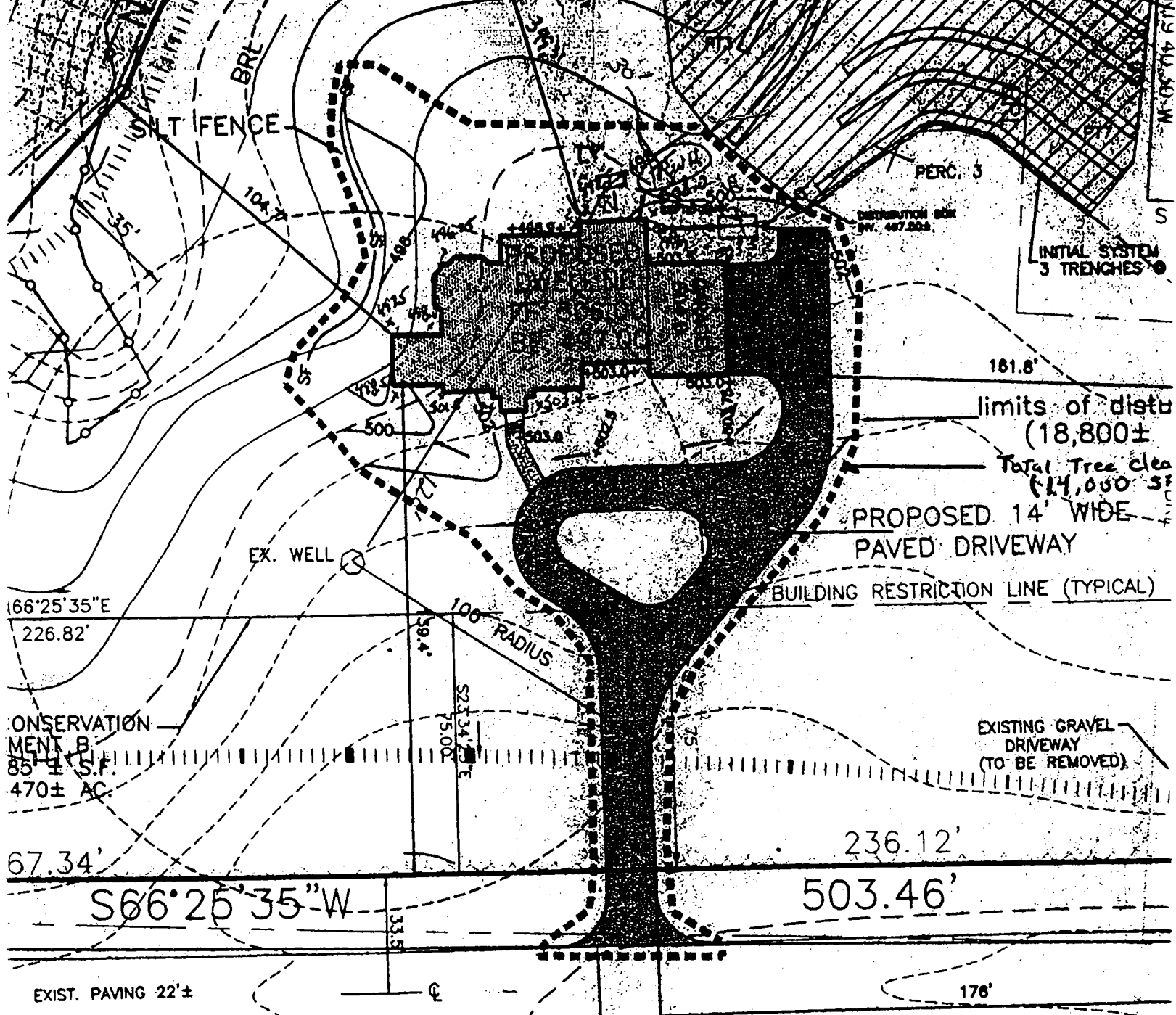
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 D THIS WELL WILL DEEPEMED AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER G
 PERMIT No. HO-94-2993
 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. Frederick Municipal
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 800
 N 490
 000 000



SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED



CONSERVATION
MENT B
85' ± S.F.
470 ± AC.

66°25'35"E
226.82'

67.34'

S66°25'35"W

EXIST. PAVING 22' ±

236.12'

503.46'

EXISTING GRAVEL
DRIVEWAY
(TO BE REMOVED)

PROPOSED 14' WIDE
PAVED DRIVEWAY

BUILDING RESTRICTION LINE (TYPICAL)

limits of distn
(18,800 ±
Total Tree clea
(14,000 ±

181.8'

PERC. 3

DISTRIBUTION BOX
DW. 467.802

INITIAL SYSTEM
3 TRENCHES

EX. WELL

100' RADIUS

52.334' ±
75.00'

STABILIZED CONST.
ENTRANCE

PRIVATE
SEWAGE EASEMENT

17' P.W.

PRV
SEWAGE

3/7/02
Tom said
he would
ensure
propane tank
20' from easement to 10' from S.T.

000134/1012

(PK)

S

DEVELOPER: owner / Builder
 SELECT HOMES
 MR. SAL MIGLIORE
 48411 SURFSIDE DRIVE
 LEXINGTON PARK, MD. 20653
 240-375-4326
 1":40

Install (1) 1000
 Gallon ASME
 UG LP TANK
 Per NFPA 58

PI
DRAWN BY: D
DESIGNED BY:
CHECKED BY:

APPLICATION

PERCOLATION TESTING

A 510227

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

ATTN;
CRAIG
WILLIAMS

P _____
DISTRICT 5th
DATE 7/6/98

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 DAVID E. & VICKI P. BAXTER

ADDRESS 13500 NARROW LEAF CT. PHONE 888 301 3446
CLARKSVILLE, MD 21029

AGENT OR PROSPECTIVE BUYER KOPACK ASSOCIATES

ADDRESS 1325 CRESTWOOD DRIVE PHONE 410 840 9823
WESTMINSTER, MD 21157

PROPERTY LOCATION:

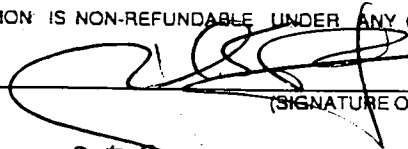
SUBDIVISION HIGHLAND MEADOWS - RESUBDIVISION LOT NO. 16


ROAD AND DESCRIPTION CORNER OF BRIGHTON DUN ROAD AND HIGHLAND ROAD
(NEAR NARROW LEAF COURT)

TAX MAP 34 PARCEL # 169

SIZE OF LOT 4.7757 ± ACRES TYPE BLDG. SINGLE FAMILY
(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 SFO DATE 9/15/98

DISAPPROVED BY _____ FOR _____ DATE _____

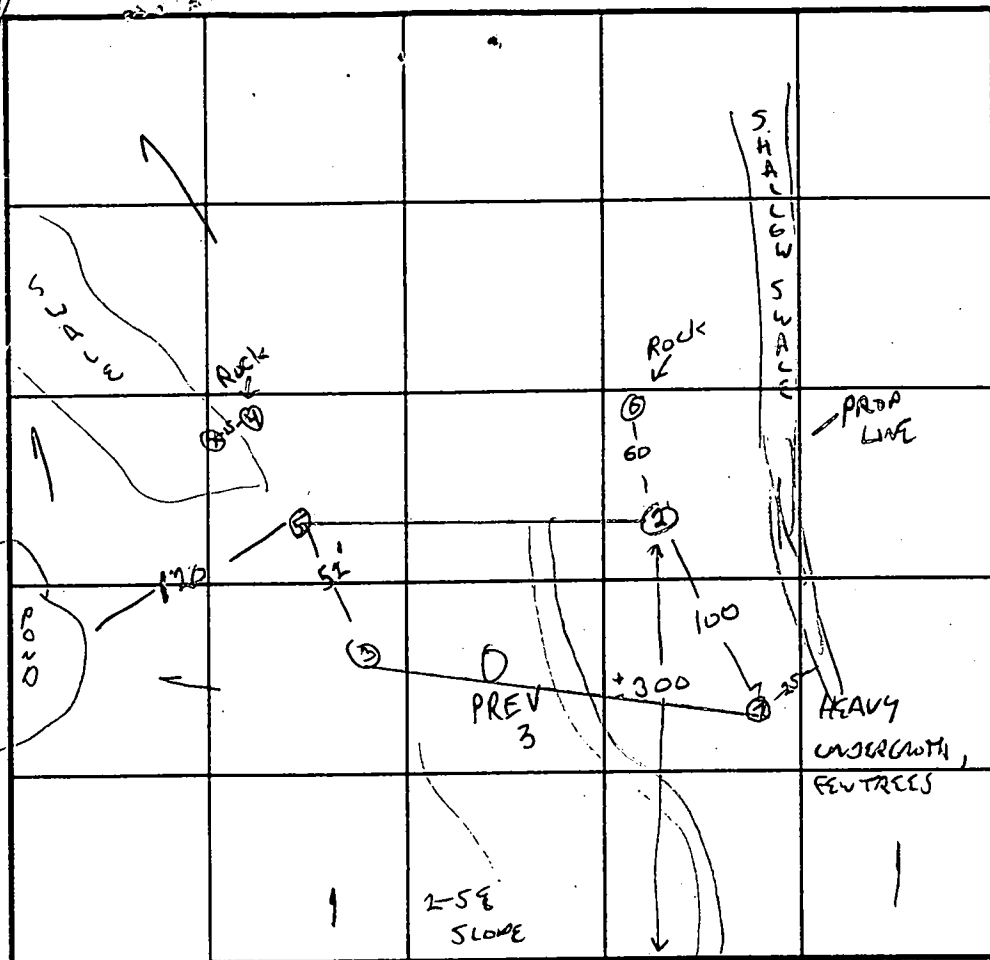
HOLD PENDING FURTHER TESTS _____

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



SOIL PROFILE

R72 13
6-8"
4.5'
9'

0'	TOP SOIL & ROOTS
1'	LT BR w/lt GRAVELLY COAR & BROWN CL
4.5'	DARK GREY FINE SL

SOIL PROFILE

7
8

0'	TOP SOIL & ROOTS
1'	BR LAM
2'	OLIVE BR SL
3.5-4.5'	DARK BR LAYER
	GRAVELLY SL w/IRON OXIDE ACCUMULATION BELOW 5 DAMP

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. BRIGHTON DAM ROAD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/30/98	PT2	3.5/9	11:11	PULLED AT	11:25 3/4		SLOW
	REDUG	4.5	12:20	12:22	→	12:25	3 MW
	PT3	4/9	12:00	12:04	→	12:13	9 MW
	4+x	2	RECURAL				F
	5	8.5					
	6	2/7	RECURAL	AT 7			?
	7	2/8	3:15	3:21	→	3:36	15 MW
		INFLUENCED BY SWALE (OUT OF "ZONE" IN 20')					
	PREV 3	8	RX @ 8'				

REMARKS Rock @ 3-4 OUTSIDE EDGE OF 6. TOP SSAN TANK

TYPE OF SOIL _____

TESTED BY G. SAVAGE ALSO PRESENT D. KOPPE, GARYN, EVANSON

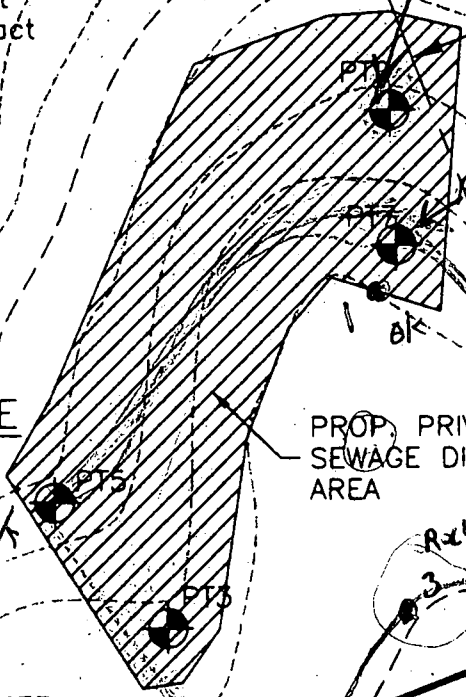
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10 MW TRENCH WIDTH 3

INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4.5 SQ. FT/BEDROOM 210

location existing
utility easement
9667 for exact

PROPERTY
AT NO. 48A PLAT 1
FORT PERSERT
ADJUST ROUGHLY AS
SHOWN BY GREEN
PICK UP #7
SHOW PREN TEST #3
DISCUSSED W/ OOOO
8/28/18

01°16'51" E
111.84'



PROP. PRIVATE
SEWAGE DISPOSAL
AREA

16A
5.0034± ACRES



PROP. WELL

MARYLAND STATE GRID NORTH

PROPOSED PAVED
DRIVEWAY

BUILDING RESTRICTION LINE (TYPICAL)

EXISTING GRAVEL
DRIVEWAY
(TO BE REMOVED)

EX. WOODS LINE
1450.17

LAND PREVIOUSLY DEDICATED TO HO
MARYLAND FOR PURPOSE OF A PUB
SEE PLAT NO. 9667.

566.25 35' SIGHT DISTANCE LINE

ACTUAL SIGHT
DISTANCE = 826'

ACTUAL SIGHT
DISTANCE = 475'
INTERSECTION

12' P.D.

ROAD

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 _____

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 _____

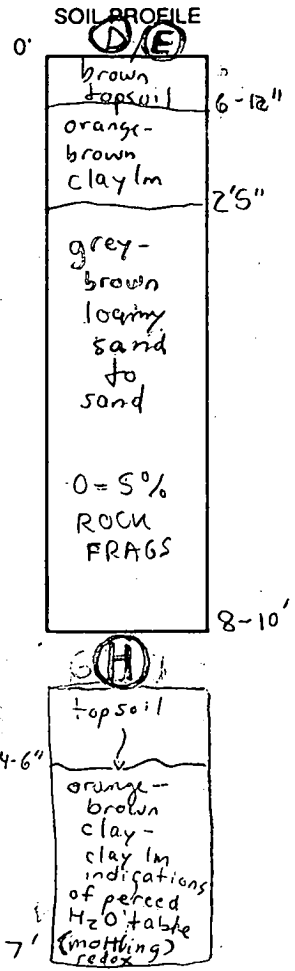
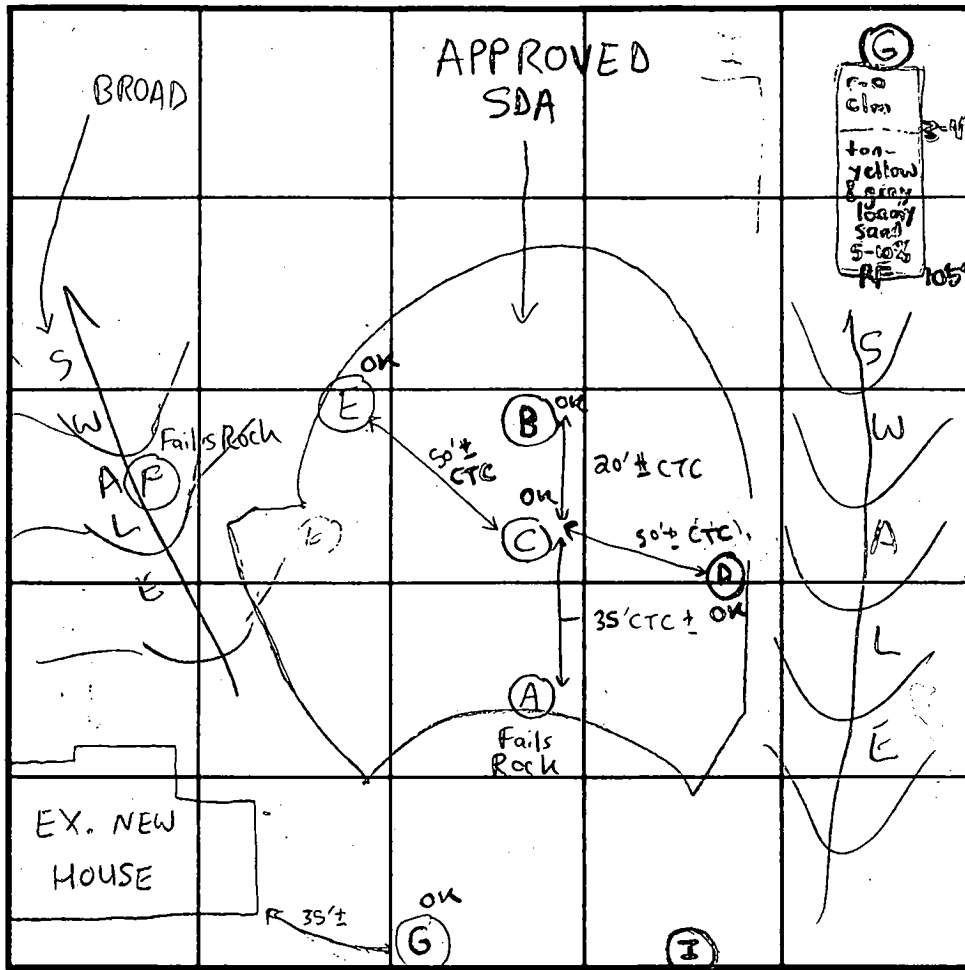
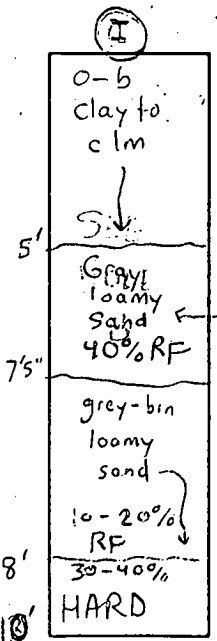
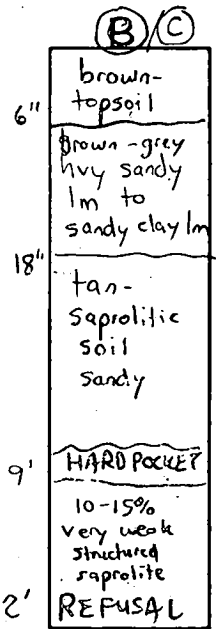
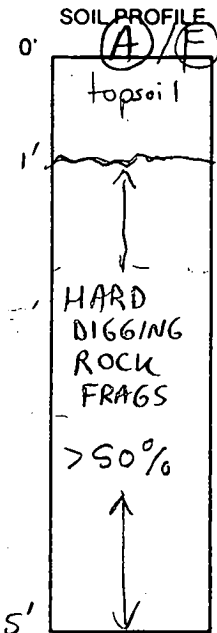
REASONS FOR REJECTION OR HOLDING _____

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

COUNTY #



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/18/01	(A)	(UN)SUITABLE	FOR	FRENCH	(SYS.)	NA	F	
	(B)	(SUITABLE	FOR	TRENCH	(SYS.)	NA	OK	
	(C)	(SUITABLE	FOR	TRENCH	(SYS.)	NA	OK	
1/31/01	(I)	(")	"	"	"	NA	OK	
	(D)	(")	"	"	"	NA	OK	
	(E)	(")	"	"	"	NA	OK	
	(F)	(UN)SUITABLE	FOR	TRENCH	(SYS.)	NA	F	
	(G)	(SUITABLE	FOR	"	"	NA	OK	
	(H)	(UN)SUITABLE	FOR	TRENCH	(SYS.)	NA	F	

REMARKS Tests done to verify suitability of ex. ~~system~~ approved SDA. Original Test results marginal & questionable
 TYPE OF SOIL SDA. Original Test results marginal & questionable
 TESTED BY SRU/RJP 1/31/01 MR/SRU Kurt, Carroll & Sal Builder ALSO PRESENT SO, Kurt = Fogles Gary & Helper
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH 3'
 INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4 SQ. FT./BEDROOM _____



MR

DEPARTMENT OF PLANNING & ZONING

Joseph W. Rutter, Jr., Director

June 23, 1998

David E. Baxter
13500 Narrowleaf Court
Clarksville, MD 21029

RE: WP-98-125, Highland Meadows, Lot 16

Dear Mr. Baxter:

Regarding the above referenced waiver petition, this Division is advising you that no action can be taken until the following additional information is provided:

1. Action on the Design Manual waiver of sight distance by the Development Engineering Division.
2. Approval of a percolation plat by the Health Department.

See the attached comments from the DED and Health Department.

Once that information has been supplied to those agencies within 45 days of the date of this letter (**by August 7, 1998**), and a subsequent evaluation sent to the Division of Land Development by those agencies, this office will prepare a recommendation for the Planning Director's action.

If you have any questions, please contact Jeanette Anders at (410) 313-2354.

Sincerely,

Cindy Hamilton, Chief
Division of Land Development

CH/JA/cs/wp98125.let

cc: DED
Health Dept
Douglas Barmoy - MD Land Design



HOWARD COUNTY HEALTH DEPARTMENT

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

June 18, 1998

TO: Cindy Hamilton
Subdivision Review Committee

FROM: Mark Rifkin *MR*
Water and Sewerage Program

RE: File Number: WP-98-125
Title: Highland Meadows, Resub Lot 16

The following comments apply to the above referenced document:

No objection to requested waivers, but percolation tests have not been performed. Applicant is also advised that septic area configuration is not approvable as depicted, due to the proposed septic area not being in conformance with separation requirements from water bodies, steep slopes and swales.

REVISED PERC PLAN RECEIVED 6.24.98 *MR*

MR

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Division of Land Development

DATE: 5-27-98

P&Z File No. WP 98-125

Department of Planning and Zoning

- Transportation Planning
- Historic Preservation
- Comprehensive Planning and Zoning Administration
- Research
- Address Coordinator

- Agricultural Preservation
- Development Engineering Division
- Forest Conservation Planner
- File

Agencies

- Soil Conservation District
- Department of Inspections, Licenses & Permits
- Department of Fire and Rescue Services
- State Highway Administration
- Bureau of Environmental Health
- Board of Education
- Recreation and Parks

- Tax Assessment
- Bell Atlantic Telephone
- BG&E
- Cable TV
- Police
- MTA
- Finance
- DPW, Real Estate Services
- DPW, Construction and Inspection
- DPW, Bureau of Utilities

RE: Highland Meadows, Resub lot 46

ENCLOSED FOR YOUR → Signature Approval Review & Comments Files
 THE ENCLOSED → Original

Plans	# of Sheets	Supplemental Documents
<input type="checkbox"/> Sketch Plan	<input type="checkbox"/>	<input type="checkbox"/> Wetlands Report
<input type="checkbox"/> Prel Equiv Sketch Plan	<input type="checkbox"/>	<input type="checkbox"/> Soils/Topo Map/Drain Area Map
<input type="checkbox"/> Preliminary Plan	<input type="checkbox"/>	<input type="checkbox"/> FSD/FCP/Worksheet and Application
<input type="checkbox"/> Final Plat	<input type="checkbox"/>	<input type="checkbox"/> Declaration of Intent
<input type="checkbox"/> Final Constr Plans (RDS)	<input type="checkbox"/>	<input type="checkbox"/> Drainage and/or Computation/Pond Safety Comps
<input type="checkbox"/> Final Development Plan	<input type="checkbox"/>	<input type="checkbox"/> Preliminary Road Profiles
<input type="checkbox"/> Site Development Plan	<input type="checkbox"/>	<input type="checkbox"/> APFO Roads Test/Mitigation Plan
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<input type="checkbox"/> Grading Plan	<input type="checkbox"/>	<input type="checkbox"/> Sight Distance Analysis
<input type="checkbox"/> House Type Revision Plan	<input type="checkbox"/>	<input type="checkbox"/> Floodplain Study
<input type="checkbox"/> Water and Sewer Plan	<input type="checkbox"/>	<input type="checkbox"/> Stormwater Management Comps.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Industrial Waste Survey (DPW)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Road Poster Form Letter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Response Letter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Perc Plat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Scenic Road Exhibits

Applications

- Waiver Petition Applic/Exhibit
- Planning Board Applic
- ASDP/CSDP Application
- DED Application/Checklist
- DED Fee Receipt/Deeds/Cost Estimate

WAS: Received Tentatively Approved Recorded
 Received and Revised Approved On 5-27

COMMENTS: _____ SRC/COMMENTS DUE BY: 6-18

Check, initial and return to the Department of Planning and Zoning if plan is approved with no comments.

Howard County Department of Planning and Zoning
Division of Land Development

WAIVER PETITION APPLICATION

Date Submitted/Accepted _____ DPZ File Number _____

I. Site Description

Subdivision Name/Property Identification: HIGHLAND MEADOWS - LOT 16 RESUBDIVISION

Location of property: BRIGHTON DAM ROAD & HIGHLAND ROAD
(Road name and nearest public road intersection)

<u>RESIDENTIAL LOT</u> (Existing Use)	<u>RESIDENTIAL LOT</u> (Proposed Use)
<u>34</u> (Tax Map)	<u>169</u> (Parcel No.)
<u>6</u> (Grid/Block No.)	<u>5th</u> (Election District)
<u>RR</u> (Zoning District)	<u>9.2124± AC</u> (Total Area)

Provide a brief site history including reference to all previously submitted or currently active plans on file with the County (subdivision plans, Board of Appeals petitions, waiver petitions, etc.)

THE OWNER WISHES TO RE-SUBDIVIDE EXISTING LOT 16 INTO 2 LOTS WITH THE 2ND LOT HAVING ACCESS ONTO BRIGHTON DAM ROAD. PREVIOUS PLANNING & ZONING FILE NO. G-86-70, P-88-20, VP-86-97, F-88-271, F-91-63, F-95-122.

II. Waiver Request

In accordance with Section 16.104 of the Howard County Subdivision and Land Development Regulations, the Department of Planning and Zoning, in conjunction with the Subdivision Review Committee, may grant waivers of modifications to the minimum requirements stipulated within the Regulations.

In the area below, the petitioner shall enumerate the specific numerical section(s) from the Subdivision and Land Development Regulations for which a waiver is being requested and provide a brief summary of the regulation. Attach a separate sheet if additional information is appropriate.

<u>Section Reference No.</u>	<u>Summary of Regulation</u>
1. <u>16.119.f.</u>	<u>ACCESS RESTRICTIONS - VEHICULAR EGRESS & INGRESS RESTRICTED.</u>
2. <u>2.5.2.H - DESIGN MANUAL VOLUME III</u>	<u>SIGHT DISTANCE REQUIREMENTS</u>
3. _____	_____
4. _____	_____

NO OBJ TO PROPOSED W, HOWEVER

NO PERC TEST PROPOSAL HAS BEEN REC'D, AND SOME INFO INDICATES ONLY A LIMITED CHANCE OF SUCCESS

DLDW/P EXHIBIT NOT IN CONF. W/SEPAR. REQUIREMENTS FROM H₂O BODIES & S. SLOPES; APPLIC. ENCOURAGE.

III. Justification

Access Restrictions:

Highland Meadows, Lot 16 can not be subdivided without access to either Brighton Dam Road or Narrow Leaf Court. In order to access Narrow Leaf Court, the property owner would have to cross wetlands and a stream. Crossing wetlands and a stream would require a "Joint Permit" from the Maryland Department Of Environment and the Army Corps of Engineers. Obtaining a "Joint Permit" could easily take six months or more if successful. The permit could be denied if alternative access to the site is available. Extensive tree removal would also be required to build the driveway toward Narrow Leaf Court. Minor tree removal is required for access to Brighton Dam Road, but using the existing gravel driveway will minimize tree removal.

Removal of trees and disturbance of wetlands are in direct conflict with County, State and Federal environmental protection goals and regulations. Specifically, section 16.116 - Protection Of Wetlands, Streams and Steep Slopes, from the Howard County, Maryland Subdivision and Land Development Regulations addresses these environmental concerns. Section 16.116 states that "Grading or removal of vegetative cover shall not be permitted within 25 feet of a wetland ..." and that "Grading, removal of vegetative cover and new structures shall not be permitted within 50 feet of an intermittent stream:". Both of these requirements would be violated by construction of a driveway from Narrow Leaf Court.

Sight Distance:

The sight distance for the driveway access to Brighton Dam Road is limited by the intersection of Brighton Dam Road and Highland Road to the west and by the road crest along Brighton Dam Road to the east. The Howard County Roads Department prepared a traffic speed analysis for Brighton Dam Road just west of the intersection. The study shows that 85% of vehicles traveling along this road are doing so at a speed of 50 mph or less. Most vehicles approaching the proposed driveway should be traveling at less than 50 mph because of the close proximity to the intersection.

The location of the proposed driveway off of Brighton Dam Road, approximately 450 ft from the referenced intersection, achieves the maximum possible site distance for a driveway accessing Lot 16A. Vehicle speeds should typically be close to the posted speed limit, because the driveway is relatively close to the intersection of Brighton Dam Road with Highland Road. Westbound traffic will be decelerating to negotiate the bend in the road. Eastbound traffic will be accelerating after the 4-way stop posted at the intersection. A neighboring property has an existing driveway to the east of lot 16, which appears to function as desired.

The proposed location of the driveway will not be detrimental to the public interest, because there will only be one lot using the driveway. The traffic study prepared by Street Traffic Studies, Ltd. shows that Brighton Dam Road is currently below its capacity in trips per day, and that the affect of the proposed additional residential lot traffic in this area will be negligible.

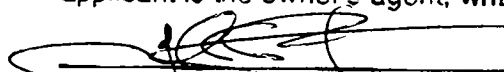
- 1. Vicinity map scale 1" = 2,000'.
- 2. Bearings and distances of property boundary lines for the entire tract and size of tract area.
- 3. North arrow and scale of plan.
- 4. Location, extent, boundary lines and area of any proposed lots.
- 5. Any existing or proposed building(s), structures, points of access, driveways, topography, natural features and other objects and/or uses on the subject and adjacent properties which may be relevant to the petition; i.e. historic structures, cemeteries or environmentally sensitive areas.
- 6. Delineation of building setback lines.
- 7. Delineation of all existing public road and/or proposed street systems.
- 8. Identification and location of all easements.
- 9. Approximate delineation of floodplain, wetland and forested areas, if applicable.
- 10. Road profile to evaluate sight distance, if the application includes a request for direct access to a major collector or more restrictive roadway classification. (SEE ATTACHED ANALYSIS)
- N/A 11. Any additional information to allow proper evaluation (e.g. for waivers to wetland buffers an alternative analysis and mitigation proposal are needed; for waivers to SDP requirements where there is no subdivision of land, an APFO Roads Test evaluation may be needed).
- 12. Photographs, perspective sketches or cross-sections as necessary to adequately portray the waiver request.
- N/A 13. The exhibit plans should be highlighted to accurately illustrate the requested waiver(s) to allow proper evaluation (i.e. proposed grading, tree clearing or other disturbances within environmentally sensitive areas or buffers).

V. Fees


The Waiver Petition application fee shall be in accordance with the adopted fee schedule. All checks shall be made payable to the *Director of Finance*. The petition will not be accepted for processing until the fee has been paid. Incomplete, incorrect or missing information may result in the rejection of the application and could cause additional time to be required to revise the petition for resubmittal and re-review.

VI. Owner's/Petitioner's Certification

I/WE the undersigned fee simple owner(s) hereby make application to the Howard County Department of Planning and Zoning to relax the minimum requirements of the Howard County Subdivision and Land Development Regulations. The undersigned hereby certifies the information supplied herewith is correct and complete, confirms that the regulations and policies as referred to in the attached are understood, and authorizes periodic on-site inspections by the Howard County Subdivision Review Committee agencies. If the applicant is the owner's agent, written documentation from owner granting that authority is required.



 (Signature of Property Owner)
 (Fee Simple Owner Only) 5-20-98
(Date)



 (Signature of Petition Preparer) 5-20-98
(Date)

DAVID E. BAXTER

 (Name of Property Owner)

DOUGLAS A. BARMOY - MARYLAND LAND DESIGN INC.

 (Name of Petition Preparer, Surveyor/Engineer or Agent/Developer)

13500 NARROW LEAF COURT

 (Address)

2001 MEADOW DRIVE

 (Address)

CHARLESVILLE, MD 21029

 (City, State, Zip Code)

WESTMINSTER MD 21158

 (City, State, Zip Code)

(301) 854-9046

 (Telephone)

410-857-0210 410-840-0143

 (Telephone) (Fax)



MIC

DEPARTMENT OF PLANNING & ZONING

Joseph W. Rutter, Jr., Director

June 23, 1998

David E. Baxter
13500 Narrowleaf Court
Clarksville, MD 21029

RE: WP-98-125, Highland Meadows, Lot 16

Dear Mr. Baxter:

Regarding the above referenced waiver petition, this Division is advising you that no action can be taken until the following additional information is provided:

1. Action on the Design Manual waiver of sight distance by the Development Engineering Division.
2. Approval of a percolation plat by the Health Department.

See the attached comments from the DED and Health Department.

Once that information has been supplied to those agencies within 45 days of the date of this letter (by August 7, 1998), and a subsequent evaluation sent to the Division of Land Development by those agencies, this office will prepare a recommendation for the Planning Director's action.

If you have any questions, please contact Jeanette Anders at (410) 313-2354.

Sincerely,

Cindy Hamilton

Cindy Hamilton, Chief
Division of Land Development

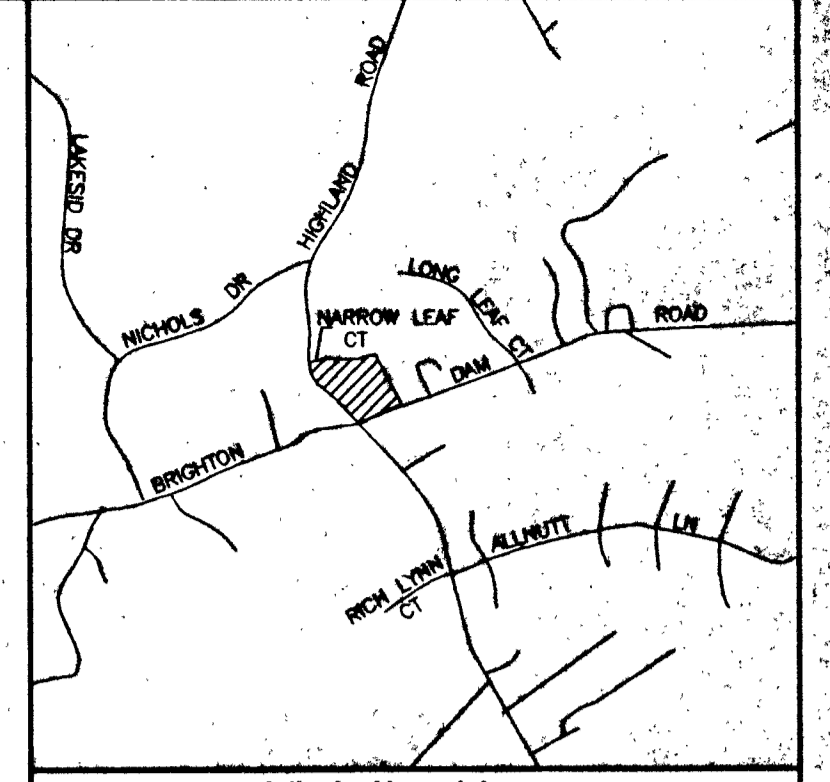
TRACEABLE
TO DISCUSS
W/ JEANETTE
LET MSB 7.8.98
BT

7.9.98

CH/JA/cs/wp98125.let
cc: DED
Health Dept
Douglas Barmoy - MD Land Design

T.C. W/ JEANETTE THEY UNDERSTAND THAT DELAYS
ANDERS: HAPPEN; IF APPLICANT WOULD DEROLINE
IT MAY BE EXTENDED AS LONG AS
APPLICANT DEMONSTRATES THAT THEY ARE
PROCEEDING. THE CURRENT DEADLINE IS
FIXED BY ADEQUATE PUBLIC UTILITIES LEGISLATION

CURVE DATA			
NO.	RADIUS	ARC	CHORD BEARING
1	591.08'	180.07'	179.375'
2	25.00'	21.04'	20.42'
3	50.00'	90.79'	78.82'
4	50.00'	39.21'	38.21'



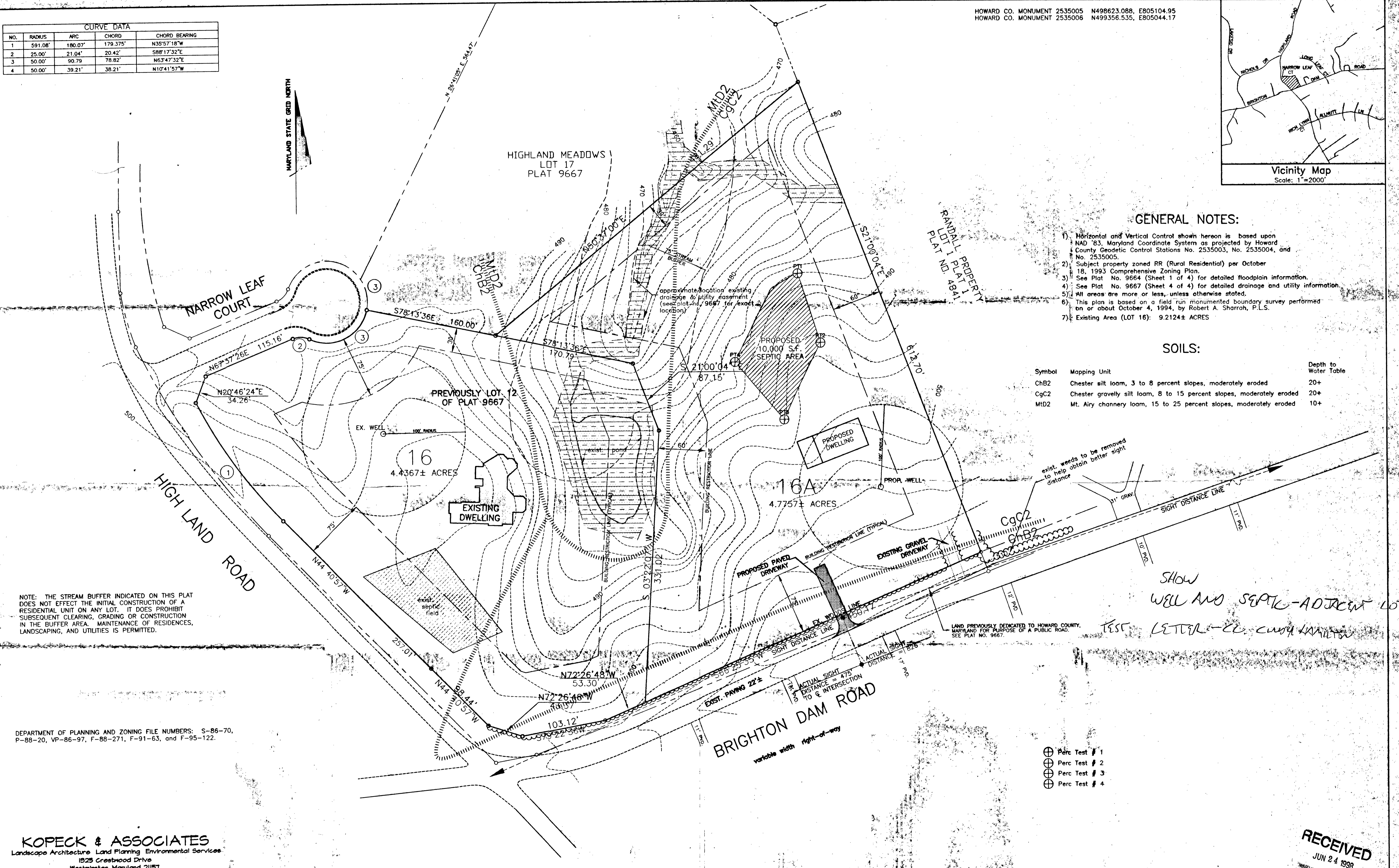
Vicinity Map
Scale: 1"=2000'

GENERAL NOTES:

- Horizontal and Vertical Control shown hereon is based upon NAD '83, Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. 2535003, No. 2535004, and No. 2535005.
- Subject property zoned RR (Rural Residential) per October 18, 1993 Comprehensive Zoning Plan.
- See Plat No. 9664 (Sheet 1 of 4) for detailed floodplain information.
- See Plat No. 9667 (Sheet 4 of 4) for detailed drainage and utility information.
- All areas are more or less, unless otherwise stated.
- This plan is based on a field run monumented boundary survey performed on or about October 4, 1994, by Robert A. Sharrah, P.L.S.
- Existing Area (LOT 16): 9.2124± ACRES

SOILS:

Symbol	Mapping Unit	Depth to Water Table
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	20+
CgC2	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	20+
MD2	Mt. Airy channery loam, 15 to 25 percent slopes, moderately eroded	10+



NOTE: THE STREAM BUFFER INDICATED ON THIS PLAT DOES NOT EFFECT THE INITIAL CONSTRUCTION OF A RESIDENTIAL UNIT ON ANY LOT. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN THE BUFFER AREA. MAINTENANCE OF RESIDENCES, LANDSCAPING, AND UTILITIES IS PERMITTED.

DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS: S-86-70, P-88-20, VP-86-97, F-88-271, F-91-63, and F-95-122.

SHOW WELL AND SEPTIC - ADJACENT LOTS
 TEST LETTER - CC. CURRY WALKER

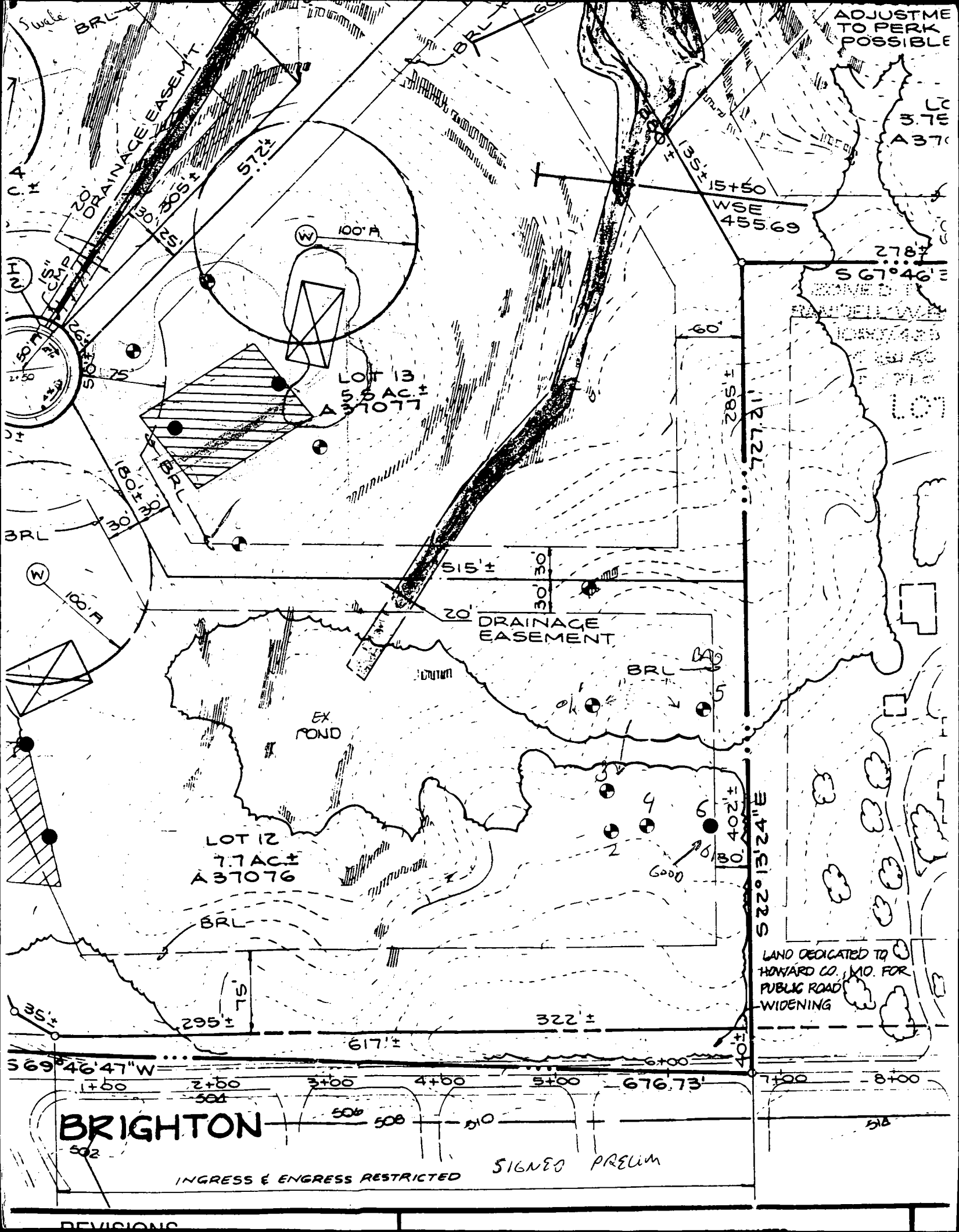
KOPECK & ASSOCIATES
 Landscape Architecture Land Planning Environmental Services
 1525 Crestwood Drive
 Westminster, Maryland 21157
 Phone: 410-840-4823 Fax: 410-840-4824

RECEIVED
 JUN 24 1998

MARYLAND LAND DESIGN, INC. CONSULTING ENGINEERS AND LAND PLANNERS 2001 MEADOW DRIVE WESTMINSTER, MARYLAND 21158 TELEPHONE: (410) 857-0210 FAX: (410) 840-0143	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION				OWNER: David E. & Vicki P. Baxter 13500 Narrow Leaf Court Clarkeville, Maryland 21029	PLAN PREPARATION DRAWN BY: DAB DESIGNED BY: DAB CHECKED BY: KDB DATE: 24 JUNE 1998 FILE NO. 98014 DRAWING NO.	PERC TEST PLAN HIGHLAND MEADOWS RESUBDIVISION - LOT 16 TAX MAP 34, PARCEL NO. 169 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	SCALE 1"=50' SHEET NO. 1 OF 1
	NO.	DATE	DESCRIPTION								
© COPYRIGHT 1998											

ADJUSTMENT
TO PERK
POSSIBLE

LC
3.7E
A370



LOT 13
5.8 AC ±
A37077

LOT 12
7.7 AC ±
A37076

LAND DEDICATED TO
HOWARD CO., MO. FOR
PUBLIC ROAD
WIDENING

BRIGHTON

INGRESS & EGRESS RESTRICTED

SIGNED PRELIM

REVISIONS

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Division of Land Development

DATE: 3/24/99

P&Z File No. F-99-144

Department of Planning and Zoning

- Transportation Planning
- Historic Preservation
- Comprehensive Planning and Zoning Administration
- Research
- Address Coordinator

- Agricultural Preservation
- Development Engineering Division
- Forest Conservation Planner
- File

Agencies

- Soil Conservation District
- Department of Inspections, Licenses & Permits
- Department of Fire and Rescue Services
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- Board of Education
- Recreation and Parks

- Tax Assessment
- Bell Atlantic Telephone
- BG&E
- Cable TV
- Police
- MTA
- Finance
- DPW, Real Estate Services
- DPW, Construction and Inspection
- DPW, Bureau of Utilities

RE: Highland Meadows, Tracts 184/19

ENCLOSED FOR YOUR → Signature Approval Review & Comments Files
 THE ENCLOSED → Original

Plans	# of Sheets
<input type="checkbox"/> Sketch Plan	<input type="checkbox"/>
<input type="checkbox"/> Prel Equiv Sketch Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/> Preliminary Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/> Final Plat	<u>1</u>
<input type="checkbox"/> Final Constr Plans (RDS)	<input type="checkbox"/>
<input type="checkbox"/> Final Development Plan	<input type="checkbox"/>
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<input type="checkbox"/> Grading Plan	<input type="checkbox"/>
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Supplemental Documents
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<input type="checkbox"/> Road Poster Form Letter
<input checked="" type="checkbox"/> Response Letter
<input checked="" type="checkbox"/> Perc Plat <i>DPZ, Health</i>
<input type="checkbox"/> Scenic Road Exhibits

Applications

- Waiver Petition Applic/Exhibit
- Planning Board Applic
- ASDP/CSDP Application
- DED Application/Checklist
- DED Fee Receipt/Deeds/Cost Estimate

WAS: Received Tentatively Approved Recorded 3/24/99
 Received and Revised Approved On 4/19/99

COMMENTS: _____ SRC/COMMENTS DUE BY: 4/19/99
 _____ 4/19/99

VDK Check, initial and return to the Department of Planning and Zoning if plan is approved with no comments.
4/19/99



HOWARD COUNTY HEALTH DEPARTMENT

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

August 13, 1998

Mr. and Mrs. David E. Baxter
13500 Narron Leaf Court
Clarksville, Maryland 21029

RE: Percolation Test Results Application No. A510227
Purpose: Subdivision
Property ID: Highland Meadows - Lot 16
Narrow Leaf Court
Tax Map 34 Parcel: 169

Dear Mr. and Mrs. Baxter:

Percolation testing conducted on July 30, 1998 on the above referenced property indicated limited satisfactory soil conditions. Limiting factors include shallow depth to rock and a swale (drainage feature). Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plan showing contour lines, actual locations and elevation of all excavated test holes and a suitable house and well site. The plan should also include the location of all existing wells and septic systems on the property as well as the location of any relevant features such as streams, swales or existing structures. A note must be included certifying that all wells and septic systems within 100 feet of the property boundaries have been shown.

This plan should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please contact me at the address below or by calling 410-313-2640.

Very truly yours,

Glen Savage, R.S.
Water and Sewerage Program

GS:jr

Enclosures

cc: Kopeck & Associates
Maryland Land Design, Inc
File



HOWARD COUNTY HEALTH DEPARTMENT

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

July 13, 1998

David E. Baxter
13500 Narrow Leaf Court
Clarksville, Maryland 21029

RE: Percolation Testing
Proposed Use: Subdivision Proposal
Property ID: Highland Meadows, Lot 16
Tax Map: 34 Parcel: 169

Dear Mr. Baxter:

A tentative percolation test date has been reserved for July 30, 1998 at 10:00 a.m.

It is suggested that well and septic locations for adjacent properties be included for review of your perc test plan. This information will be requested for subsequent plat review, and could be useful in the initial site evaluation.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

Please call this office between 8:00 a.m. and 5:00 p.m., Monday - Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Glen Savage, R.S.
Glen Savage, R.S.
Water and Sewerage Program

GS:tl

cc: Jeanette Anders, Department of Planning & Zoning
Douglas Kopeck, Kopeck Associates
✓File

ORIGINATOR

DATE

REVISION

114 RANDALL
533-752

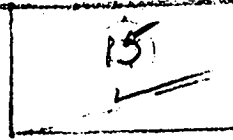
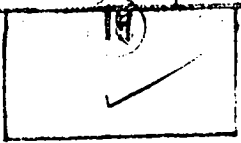
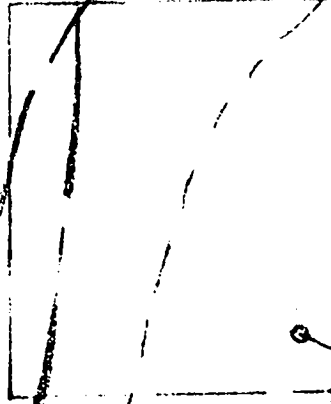
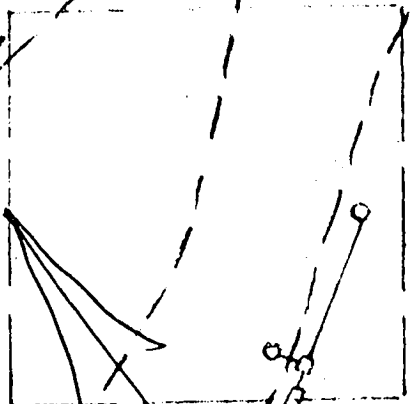
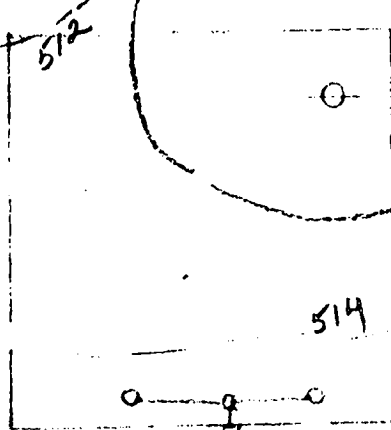
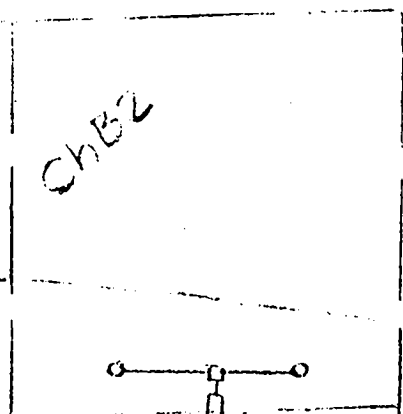
65924

50

51

EX. PAVING

HIGHWAY WORKING



516

518

520

EW

EW

EW

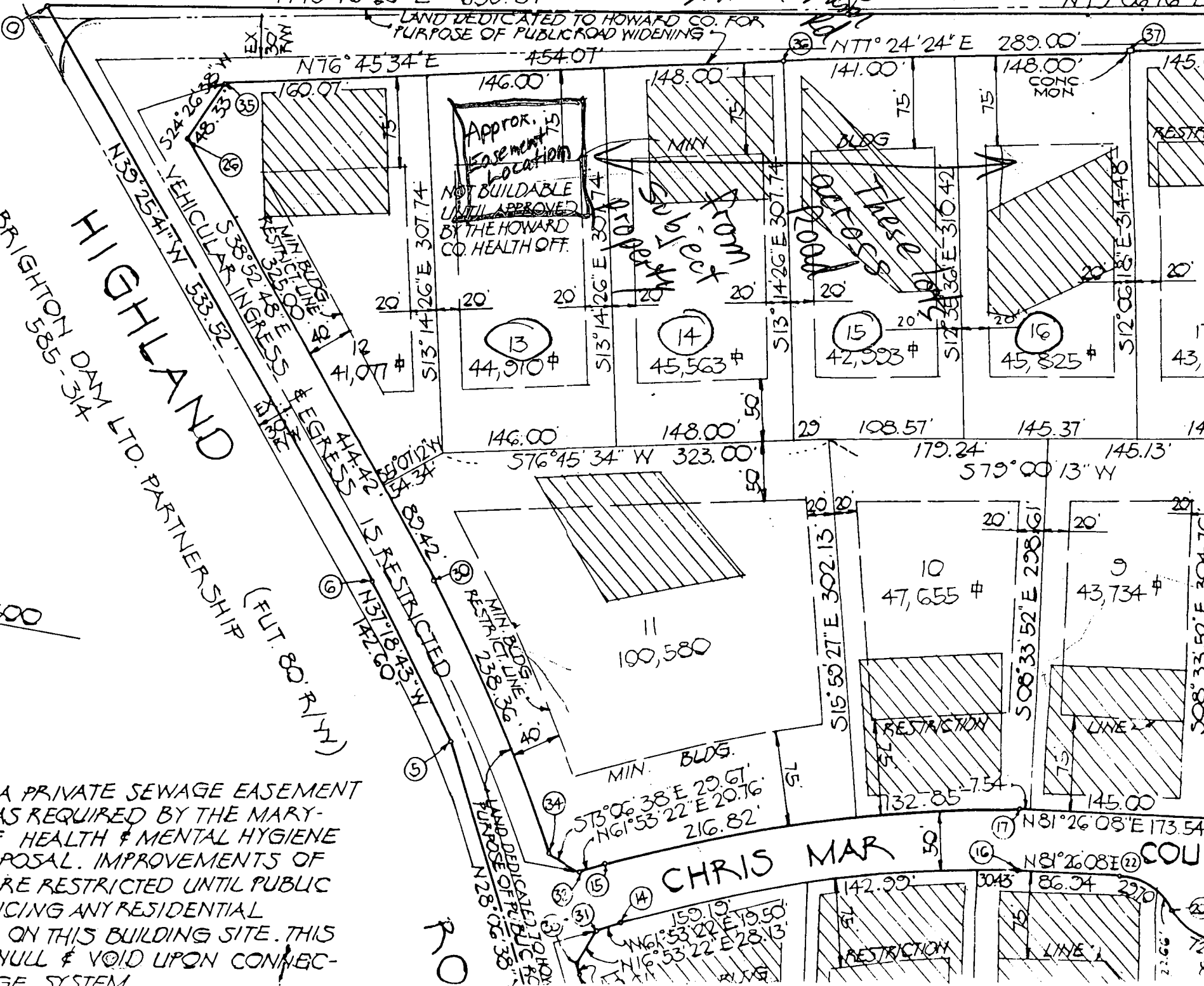
EW

Brighton Ave

N79°46'20" E 659.34'

N79°06'16" E

LAND DEDICATED TO HOWARD CO. FOR PURPOSE OF PUBLIC ROAD WIDENING



HIGHLAND

BRIGHTON DAY LTD. PARTNERSHIP

E5000
N4500

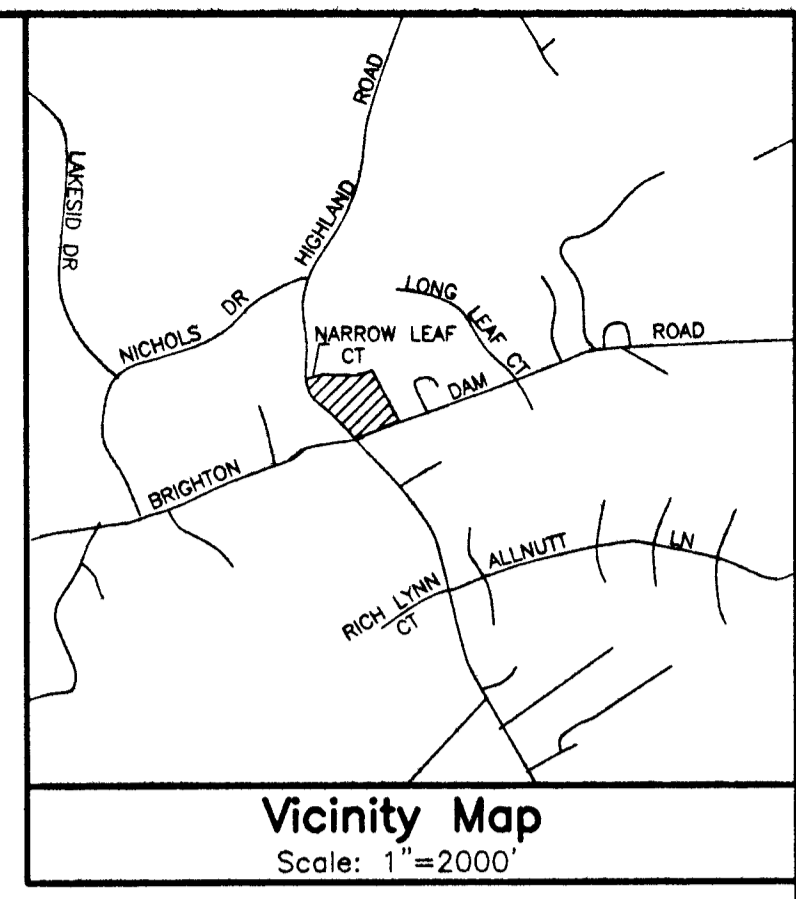
SIGNATES A PRIVATE SEWAGE EASEMENT
 Y 10,000 # AS REQUIRED BY THE MARY-
 RTMENT OF HEALTH & MENTAL HYGIENE
 SEWAGE DISPOSAL. IMPROVEMENTS OF
 THIS AREA ARE RESTRICTED UNTIL PUBLIC
 BLE & SERVICING ANY RESIDENTIAL
 NSTRUCTED ON THIS BUILDING SITE. THIS
 L BECOME NULL & VOID UPON CONNec-
 C SEWERAGE SYSTEM.

RO

CURVE DATA				
NO.	RADIUS	ARC	CHORD	CHORD BEARING
1	591.08'	180.07'	179.375'	N35°57'18"W
2	25.00'	21.04'	20.42'	S88°17'32"E
3	50.00'	90.79'	78.82'	N63°47'32"E
4	50.00'	39.21'	38.21'	N10°41'57"W

SOILS		
SYMBOL	MAPPING UNIT	DEPTH TO WATER TABLE
ChB2	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	20+
CgC2	CHESTER GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	20+
MD2	MT. AIRY CHANNERY LOAM, 15 TO 25 PERCENT SLOPES, MODERATELY ERODED	10+

HOWARD CO. MONUMENT 2535005 N498623.088, E805104.95
 HOWARD CO. MONUMENT 2535006 N499356.535, E805044.17



GENERAL NOTES:

- Horizontal and Vertical Control shown herein is based on NAD83, Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. 2535003, No. 2535004, and No. 2535005.
- Subject property zoned RR (Rural Residential) per October 18, 1993 Comprehensive Zoning Plan.
- See Plat No. 9667 (Sheet 1 of 4) for detailed location information.
- See Plat No. 9667 (Sheet 4 of 4) for detailed drainage and utility information.
- All areas are more or less, unless otherwise stated.
- This plan is based on a field run monumented boundary survey performed or about October 4, 1994, by Robert A. Sharrah, P.L.S.
- Percolation tests were field located by Schmid, Peltz and McDonald, Inc. on or about 19 August 1998.
- This area designates a private sewage 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 unless public sewage becomes 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 variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

NOTE: THE STREAM BUFFER INDICATED ON THIS PLAT DOES NOT EFFECT THE INITIAL CONSTRUCTION OF A RESIDENTIAL UNIT ON ANY LOT. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN THE BUFFER AREA. MAINTENANCE OF RESIDENCES, LANDSCAPING, AND UTILITIES IS PERMITTED.

DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS: S-86-20, P-88-20, VP-86-97, F-88-271, F-91-63, and F-95-122.

WAIVER PETITION NO: WP-98-125 (WAIVER FROM SECTION 16.119(f)(1) TO ALLOW ACCESS FOR A SINGLE RESIDENTIAL LOT ONTO A MAJOR COLLECTOR, ACCESS-RESTRICTED). APPROVED JULY 31, 1998

- ⊙ PASSED PERC TEST
- FAILED PERC TEST
- ⊕ PREVIOUSLY APPROVED PERC TEST

PERCOLATION TEST RESULTS AS OBSERVED BY MR. GLEN SAVAGE, R.S. ON JULY 30, 1998.

TEST NO.	DEPTH	RESULTS
PT2	3.5 - 9'	SLOW
(REUG)	4.5'	3 MIN.
PT3	4 - 9'	9 MIN.
4	2' ROCK	FAILED
5	8.5'	
6	2 - 7'	REFUSAL @ 7'
7	1 - 8'	15 MIN.

AVERAGE PERCOLATION TIME = 10 MIN.
 INLET DEPTH = 2.50'
 TRENCH WIDTH = 3.0'
 MAXIMUM BOTTOM DEPTH = 4.50'
 SQ. FT. PER BEDROOM = 210 SQ. FT.

THERE ARE NO OTHER WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY OTHER THAN SHOWN.

Kristin D. Barney 2-12-99
 KRISTIN D. BARNEY, P.E. DATE

ALL PERCOLATION TESTS/OBSERVATION HOLES HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN ON THE PLAN.

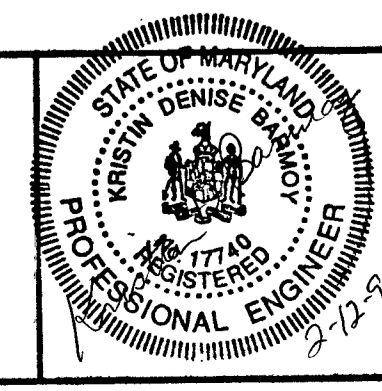
Kristin D. Barney 2-12-99
 KRISTIN D. BARNEY, P.E. DATE

Signed Final version

Approved for private water and private sewerage systems for lot 18.

Juan Bedus 2/16/99
 Howard County Health Officer Date

MARYLAND LAND DESIGN, INC.
 CONSULTING ENGINEERS AND LAND PLANNERS
 2001 MEADOW DRIVE
 WESTMINSTER, MARYLAND 21158
 TELEPHONE: (410) 857-0210 FAX: (410) 840-0143



REVISIONS		
NO.	DATE	DESCRIPTION
1	8-29-97	ADDED PERC TEST

OWNER:
 David E. & Vki P. Baxter
 13500 Narro Leaf Court
 Clarksville, Mdand 21029

PLAN PREPARATION	
DRAWN BY: DAB	DATE: AUGUST 26, 1998
DESIGNED BY: DAB	FILE NO. 98014
CHECKED BY: KDB	DRAWING NO.

PERCOLATION CERTIFICATION PLAN
HIGHLAND MEADOWS
 RESUBDIVISION - LOT 16
 TAX MAP 34, PARCEL NO. 169
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE
 1"=50'
 SHEET NO.
 1 OF 1

D:\projects\MD LAND\UNDISC\BATER\PERCPLAN.dwg Mon Sep 07 07:58:08 1998

CURVE DATA				
NO.	RADIUS	ARC	CHORD	CHORD BEARING
1	591.08'	180.07'	179.375'	N35°57'18"W
2	25.00'	21.04'	20.42'	S88°17'32"E
3	50.00'	90.79'	78.82'	N63°47'32"E

MINIMUM LOT SIZE CHART						
LOT NO.	GROSS AREA	PIPESTEM AREA	REMAINING AREA	100 YEAR FLOODPLAIN	25% SLOPES	MINIMUM LOT SIZE
16	4.209 AC	N/A	4.209 AC	N/A	0.0961	4.1129 AC
17	5.003 AC	N/A	5.003 AC	N/A	N/A	5.003 AC

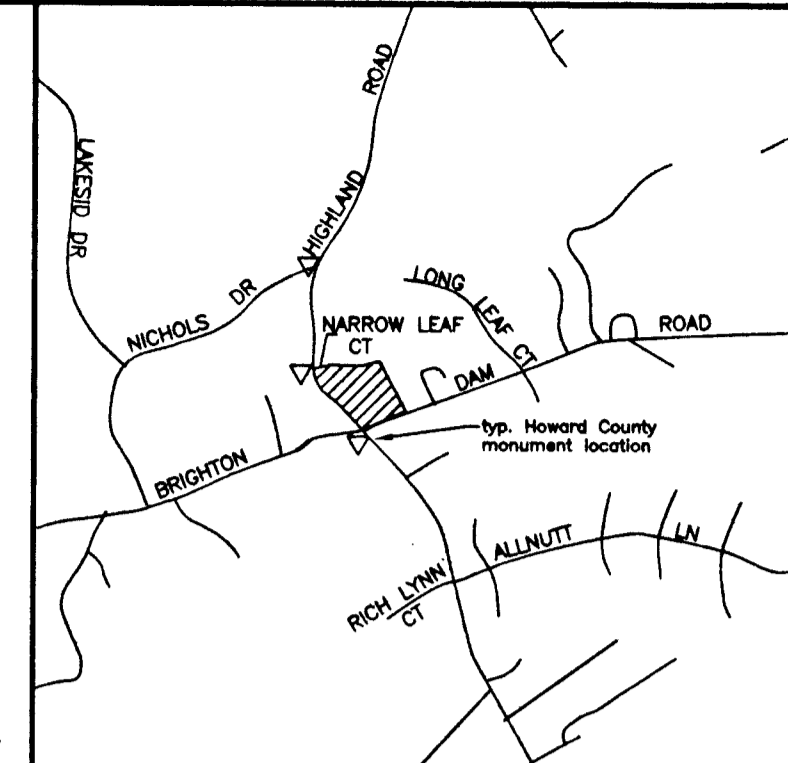
* INFORMATION TAKEN FROM PLAT 9667 - NOT COMPUTED BY ROBERT A. SHARRAH, PLS.

LAND AREA TABULATION CHART:

TOTAL NUMBER OF LOTS/PARCELS TO BE RECORDED: 2
 TOTAL AREA OF LOTS/PARCELS TO BE RECORDED: 9.2124± ACRES
 TOTAL AREA OF SUBDIVISION TO BE RECORDED: 9.2124± ACRES

NOTE: THE STREAM BUFFER INDICATED ON THIS PLAT DOES NOT EFFECT THE INITIAL CONSTRUCTION OF A RESIDENTIAL UNIT ON ANY LOT. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN THE BUFFER AREA. MAINTENANCE OF RESIDENCES, LANDSCAPING, AND UTILITIES IS PERMITTED.

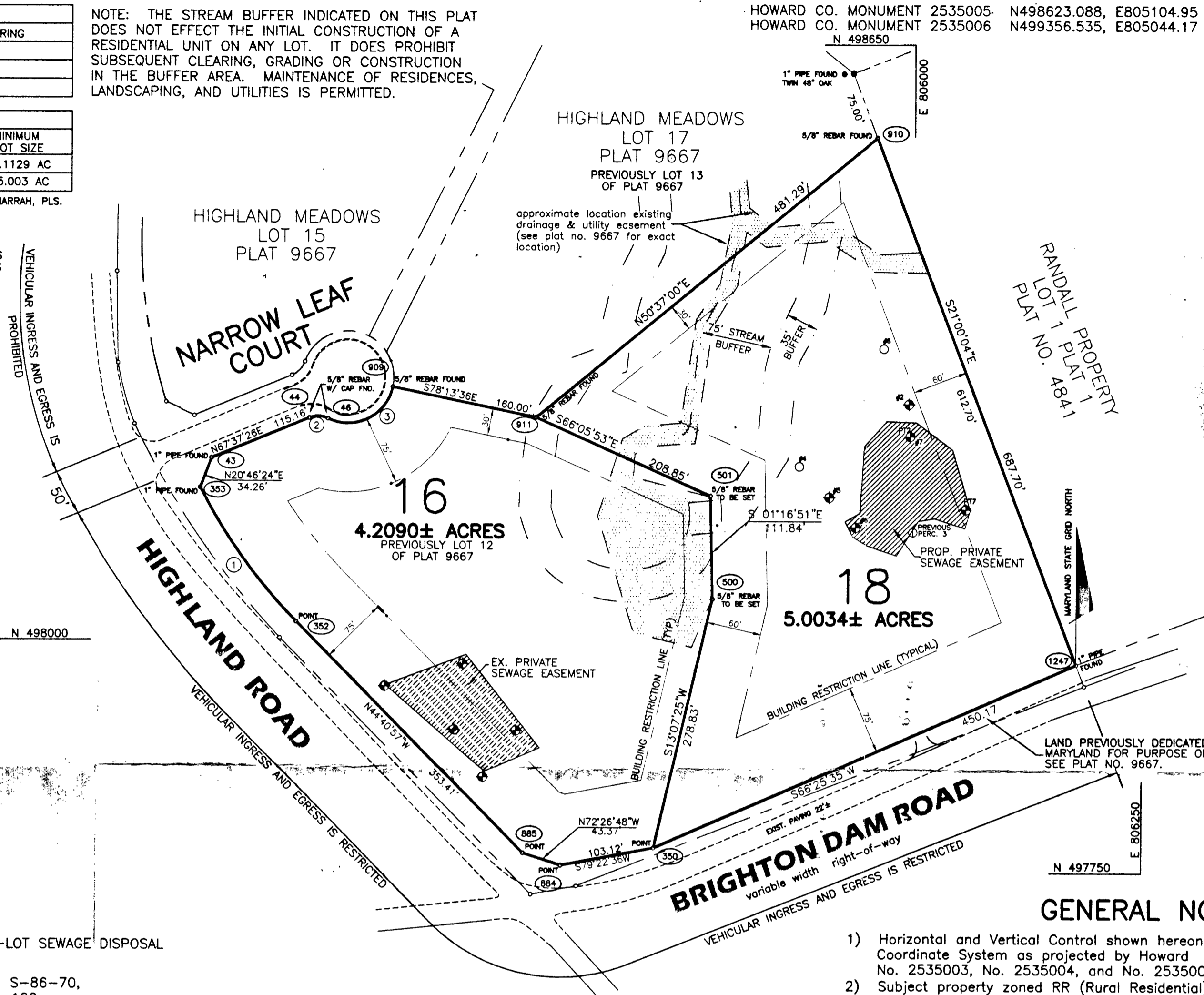
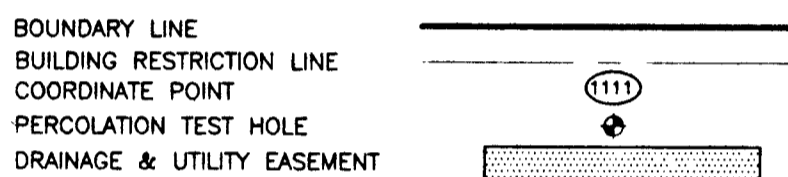
HOWARD CO. MONUMENT 2535005- N498623.088, E805104.95
 HOWARD CO. MONUMENT 2535006 N499356.535, E805044.17
 N 498650



Vicinity Map
Scale: 1"=2000'

COORDINATE TABLE		
NO.	NORTH	EAST
43	498198.3100	805232.1300
44	498242.1500	805338.6200
46	498241.5400	805359.0300
353	498166.2800	805219.9800
352	498021.0800	805325.3000
885	497769.8000	805573.8100
884	497756.7200	805615.1600
350	497775.7300	805716.5100
1247	497977.0800	806177.9600
910	498549.0820	805958.3790
911	498243.7031	805586.3826
909	498276.3496	805429.7486
500	498047.2751	805779.8183
501	498159.0838	805777.3186

LEGEND



THERE IS AN EXISTING DWELLING, WATER WELL, AND ON-LOT SEWAGE DISPOSAL SYSTEM LOCATED ON LOT 16.
 DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS: S-86-70, P-88-20, VP-86-97, F-88-271, F-91-63, and F-95-122.
 WAIVER PETITION NO: WP-98-125 (WAIVER FROM SECTION 16.119(f)(1) TO ALLOW ACCESS FOR A SINGLE RESIDENTIAL LOT ONTO A MAJOR COLLECTOR, ACCESS-RESTRICTED). APPROVED JULY 31, 1998
 THE PURPOSE OF THIS PLAT IS TO RE-SUBDIVIDE LOT 16 INTO TWO BUILDING LOTS

There are no wetlands on site that will be disturbed and require 401 and 404 wetland permits from the State of Maryland.

Douglas Kopeck _____ date
 Kopeck & Associates

OWNER:

David E. & Vicki P. Baxter
 13500 Narrow Leaf Court
 Clarksville, Maryland 21029

GENERAL NOTES:

- Horizontal and Vertical Control shown hereon is based upon NAD '83, Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. 2535003, No. 2535004, and No. 2535005.
- Subject property zoned RR (Rural Residential) per October 18, 1993 Comprehensive Zoning Plan.
- See Plat No. 9664 (Sheet 1 of 4) for detailed floodplain information.
- See Plat No. 9667 (Sheet 4 of 4) for detailed drainage and utility information.
- All areas are more or less, unless otherwise stated.
- This plan is based on a field run monumented boundary survey performed on or about October 4, 1994, by Robert A. Sharrah, P.L.S.
- This area designates a private sewage 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 unless public sewage becomes 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 variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- No clearing, grading or construction is permitted within wetlands and stream buffers or forest conservation areas.

Approved for private water and private sewerage systems for lots 16 and 18.

Howard County Health Officer _____ Date _____

Approved: Howard County Department of Planning and Zoning

Director _____ Date _____

Approved for Storm Drainage Systems and Roads
 Howard County Department of Public Works

Director _____ Date _____

SURVEYOR'S CERTIFICATION

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed. By SOP M Limited Partnership to David E. Baxter and Vicki P. Baxter by deed dated June 22, 1994 and recorded in the Land Records of Howard County in Liber 3283, Folio 0060, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.

3-27-99 _____
 Robert A. Sharrah, PLS NO. 10910

OWNERS' CERTIFICATION

We, David E. Baxter and Vicki P. Baxter, owners of the property shown and described hereon, hereby adopt this plan of subdivision; and in consideration of the approval of this plat by the Department of Planning and Zoning establish the minimum building restriction lines. All easements of rights-of-way affecting the property are included in this plan of subdivision.

Witness My/Our Hand/s This 5th Day of March, 1998

David E. Baxter _____
 Vicki P. Baxter _____

RECORDED AS PLAT _____ ON _____ AMONG
 THE LAND RECORDS OF HOWARD COUNTY, MARYLAND

**RESUBDIVISION OF LOT 16
 HIGHLAND MEADOWS**

TAX MAP NO. 34 PARCEL NO. 169
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' DATE: 4 AUGUST 1998

MARYLAND LAND DESIGN, INC.
 CONSULTING ENGINEERS AND LAND PLANNERS

2001 MEADOW DRIVE
 WESTMINSTER, MARYLAND 21158
 TELEPHONE: (410) 857-0210 FAX: (410) 840-0143

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