

# PERMIT

1-5-98 needs pump test (LM)

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~

410-313-2640

INDEXED

P 511099

A 59311

DISTRICT

DATE 11-12-98

DATE SYSTEM APPROVED 7/8/99

INSPECTOR S.R.K.

Collins Company

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 7398 Gaither Road, Sykesville, Maryland 21784

PHONE 410-442-2235

SUBDIVISION Hartman Property

LOT 4

ROAD 14492 Triadelphia Mill Road

PROPERTY OWNER Brendan Q. and Deborah S. O'Connell

ADDRESS

SEPTIC TANK CAPACITY 1000 GALLONS TOP SEAMED TANK

INSTALL: PUMPED SEPTIC SYSTEM  
1-1000 Gallon Top Seamed Pump Chamber.

NUMBER OF BEDROOMS 3

NOTES: - Septic pump detail to be provided by installer prior to issuance of septic permit.

240 SQUARE FEET PER BEDROOM

- Pump performance test is necessary prior to Health Department approval of pumped septic system.

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box on the Ridge, to the inside of the Driveway, approximately 150 feet from the West (934') lot boundary and 170 feet from the South (408') lot boundary. Run 3-80' trenches along contour toward Southwest lot corner; trenches should extend slightly beyond platted sewage disposal easement as long as adequate separation to the well is maintained.

NOTES - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK 11/12/98 DKS

PLANS APPROVED BY C. Williams

DATE 11-12-98

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

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

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

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

PERMIT VOID AFTER TWO YEARS

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

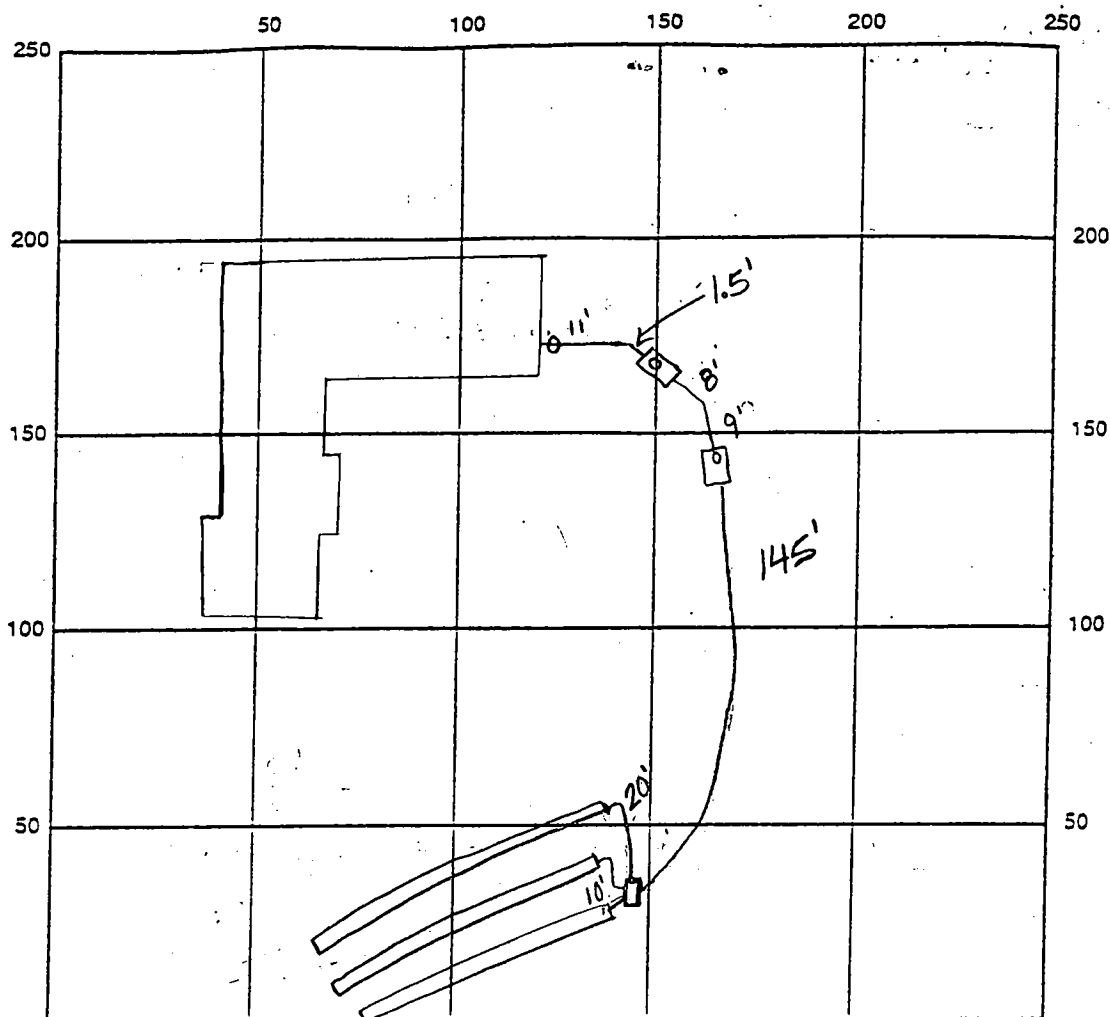
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

59311



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 gallon mid-seam pump tank CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3x80 FT. → 240

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 12/10/98 has house connection, mid-seam tanks installed not as specified on permit (KM)  
12/14/98 11:00am - H<sub>2</sub>O level in ST 5.0' 2:00pm 5.0' level OK  
under tight An 12/16/98 10:43am - H<sub>2</sub>O level in pump pit 2' 10" from top; 12:56pm H<sub>2</sub>O level same  
remained the same, tanks considered watertight (KM)

1/5/98 OK to cover trenches, still needs pump test (KM) 2/11/99 PUMP DETAIL OK (PR)

7/8/99-PUMP TEST OPERATIONAL (SPK)

DATE SYSTEM APPROVED 7/8/99 INSPECTOR Steven R. King

# APPLICATION

PERCOLATION TESTING

A 59311

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT \_\_\_\_\_

DATE 1-14-98

*PROPOSED  
SUBDIVISION  
OF LOT 4*

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 HOWARD & CAROLYN HARTMAN BRANDON & DEBORAH O'CONNELL

ADDRESS 14498 TRIADELPHIA MILL ROAD PHONE \_\_\_\_\_  
DYTON MD. 21036

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION HARTMAN PROPERTY LOT NO. 5

ROAD AND DESCRIPTION 14492 TRIADELPHIA MILL ROAD

**BLDG. PERMIT SIGNED  
AND RETURNED**

TAX MAP 27 PARCEL # 139

SIZE OF LOT 4 AC. ± TYPE BLDG. S.F.D.  
(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. Eschmaria Y. Asch (agent)  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

COUNTY #

## SOIL PROFILE

0° 344

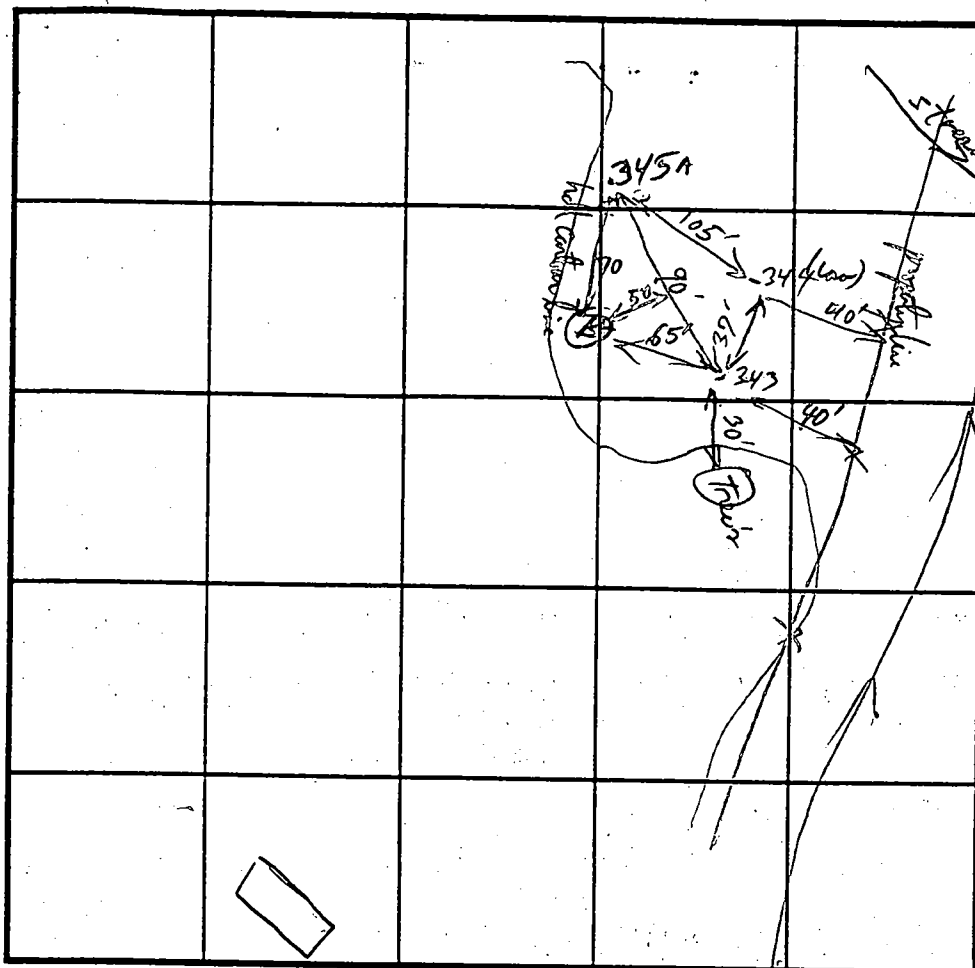
	dark Red Brn	
14'	Mix color / Moist	
	Str Brn	
	- Red Brn Moist	
	h L-CL	
3'	3 in Sbk E mdk /	differs
	Mix colors	
	yellow / Red / grey	
	Mix color	
	- FSL	
	Moist	
6'	all grey - th	
	dark grey and white	
	(E old) Moistens	
	and free in some	stains
	Moist - v Moist	
	Mix color	
	(no even weak) (not	
	moisture) Suggests	
	(v mdk)	

343

8"	gray Ben Macal	
2 1/2"	Yd gray Ben High Linn S. white (single S)	2 1/2"
in st	M is bent - in bar E. Some Red Bar M. in, I small white 2 1/2" long on 2 - 1/4" M. Ste. + cover	3"
2 1/2"	No water Saggy	

345A+B

8 <sup>00</sup>	Red Brn Green
2 1/2 <sup>1</sup>	Red Brn L-L'L 3m 56k
4 1/2 <sup>2</sup>	Yel Brn mix L-RSL 1-2m 56k
11 <sup>1</sup>	Red Brn Mossy Sandy Mossy - SL
17 <sup>1</sup>	Grey, pale F (15V R 4/2-7/1) + pale white + pink + some H/W Scales in between Scales



### SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Weeks Wet Season Texting

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/36/98	(344)	2½-3'	10:50:30	—	→	11:19:30	13 min
		✓ 1/2	per spec white @	9½ pt			
	* 343	2½-3'	10:51:30	+	→	11:12:30	6 min
at same location		✓ 1/2					
	* 345A	3'	11:20:30	—	—	11:40:30	10 min
		✓ 1/2					
	345B	✓ 11½'	Visual only, Comp profile as 345A				OK
* unable to determine true water table status - suspect water table in grey or blue loam (at section 3 1/4')							

Hold  
for  
wet  
season  
evaluation

REMARKS abnormal year, Water Tables low from last year's drought & Needs to flow again for  
TYPE OF SOIL Monoclonous - lardaceous condition - too slow to terrace heads a stream.

TESTED BY MPW ALSO PRESENT Jeff Alan

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 59318

P \_\_\_\_\_

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

*PROPOSED  
SUBDIVISION  
LOT 4*

DISTRICT \_\_\_\_\_

DATE 1-20-98

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 HOWARD & CAROLYN HARTMAN

ADDRESS 14498 TRIADELPHIA MILL ROAD PHONE \_\_\_\_\_  
DYTON MD. 21036

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION HARTMAN PROPERTY LOT NO. 6

ROAD AND DESCRIPTION TRIADELPHIA MILL ROAD

TAX MAP 27 PARCEL # 139

SIZE OF LOT 4AC.± TYPE BLDG. S.F.D.  
(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. Edmaria J. Fisch (agent)  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

COUNTY #

## SOIL PROFILE

0' 348  
3' off Topsoil  
pale Tan Brn  
15-17 5/8" dia  
1 1/2' SL (Mica)  
Mica SL  
pale yellow tan  
- Nests Brn  
8' 1' Mossier  
greenish white  
sub brn  
Mica SL Mossier  
a few  
quartz stone  
floaters  
12'

347

44 St Brn Lrn  
Red Brn h L-L  
2 f-m 56k

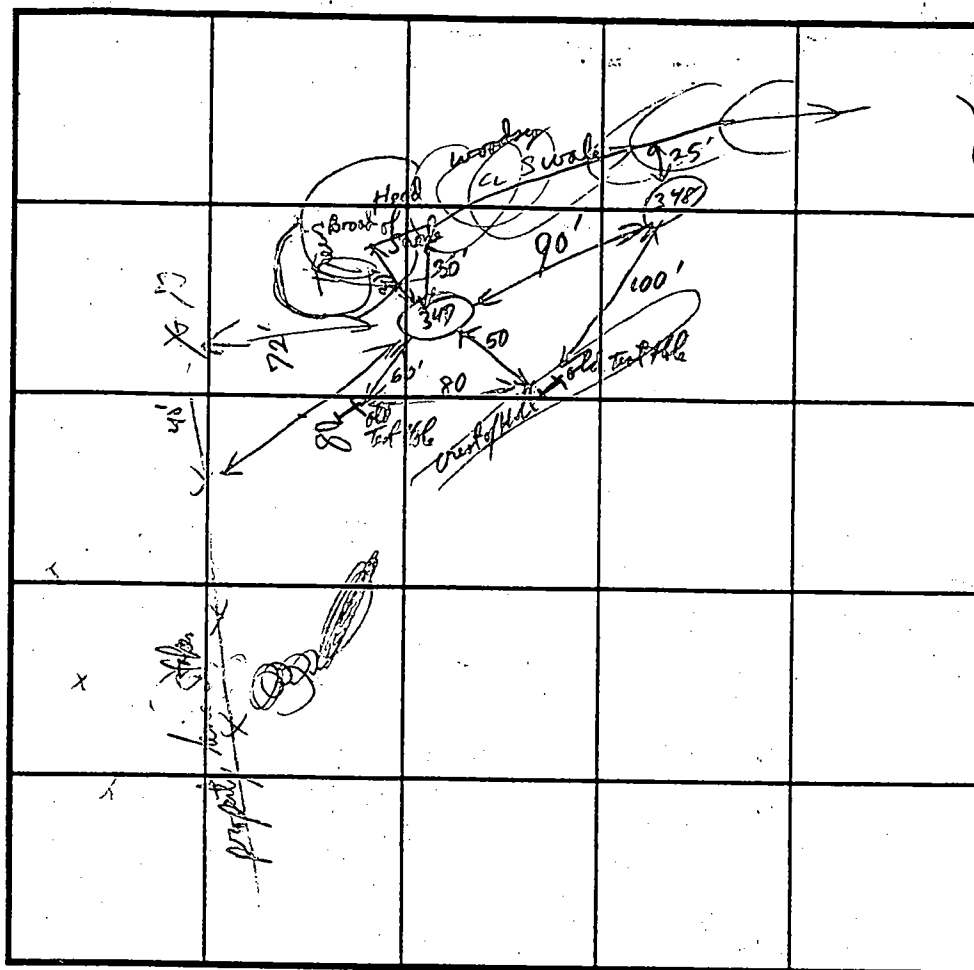
18-30 yellow yel Brn  
Hica L-SL

35-41 Br L-Sbk ~~St Brn~~  
yel Brn  
(5.5-10 yr 56)  
Miss SL-SL  
pigeon

10-1 Numb Brn  
Hica SL  
Measure  
5% St Sgall

(h Lrn green)  
Stone Floor

12



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

[illegible]

REMARKS

TYPE OF SOIL Major loam

TESTED BY

**ALSO PRESENT**

**TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME**

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

# APPLICATION

PERCOLATION TESTING

A 49477

P \_\_\_\_\_

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

PERGUEW OK  
WILL TEST  
ADDITIONAL AREA  
IN CASE 200' stream

DISTRICT \_\_\_\_\_

DATE 7/22/93

RESTRICTION IS BLAXED,

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 FRANK AND CAROLYN HARTMAN Brenda & Deborah O'Connell

ADDRESS 14498 TRIADELPHIA MILL Rd. PHONE (301) 596-9414  
DAYTON MD. 21036

AGENT OR PROSPECTIVE BUYER FISHER COLLINS AND CARTER INC. % ZACHARIA FISCH

ADDRESS 9171 BALTIMORE NATIONAL PIKE SUITE 100 PHONE 461-2855  
ELLICOTT CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION 14492 TRIADELPHIA MILL ROAD LOT NO. 4

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP 27 PARCEL # 96

SIZE OF LOT 8 AC. ± TYPE BLDG. S.F.D. - 3 Bdr.  
(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. Zacharia Y. Fisch (agent)  
(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 \_\_\_\_\_

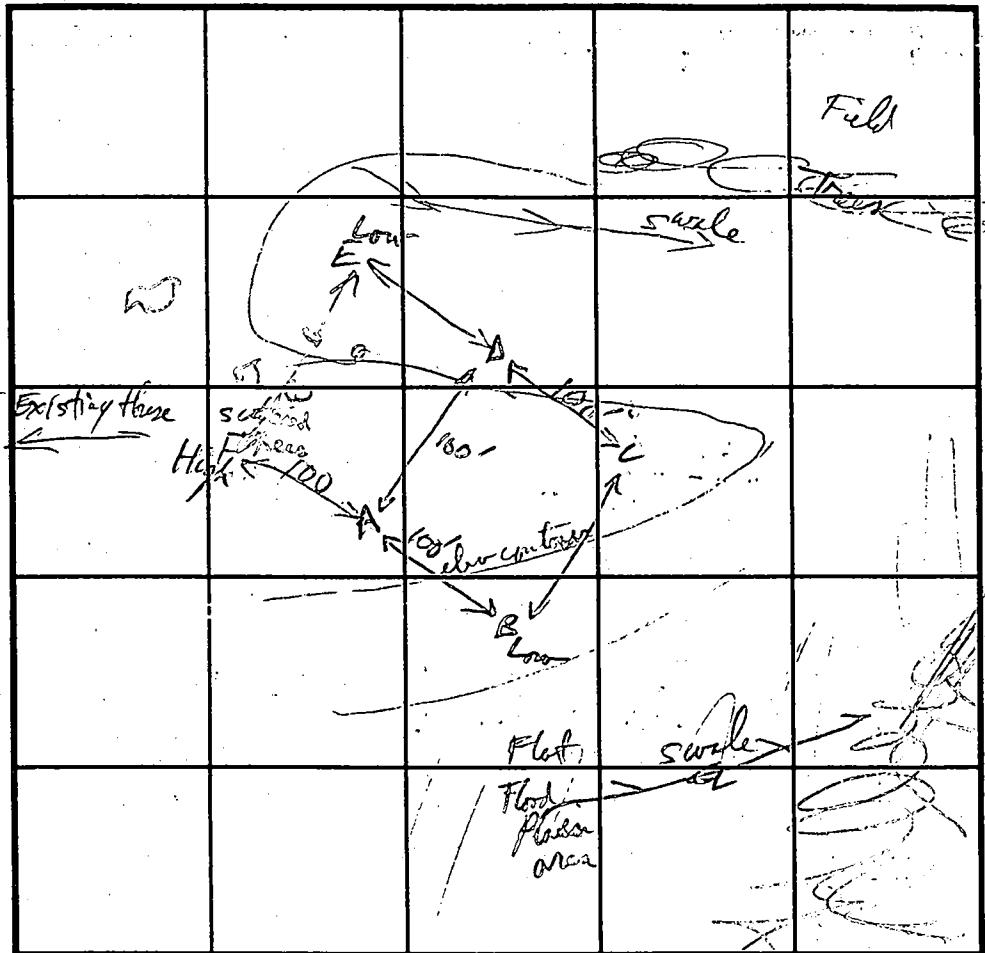
## THIS IS NOT A PERMIT

484 49497  
COUNTY #

SOIL PROFILE

0' 1/2' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'

Neutral Brn  
Sandy  
Mica loam



SOIL PROFILE

0' North E South

Dark Brn Sil  
Tan L mica  
Neutral Brn  
Mica loam  
other pebbles  
structured  
Sagv. like  
@ 8-10'

10' 12'

Brown Sandstone  
Sandy Brn  
- Tan grey  
Sandy Mica  
loam  
above  
fence  
4 1/2' 5' 6' 7' 8' 9' 10' 11' 12'

Hole F  
Sandy Brn  
Mica loam  
12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
E-10-93	A	3'	10:02:00 9:58:00	10:05:00 10:00:00	10:05:00 10:03:00	10:08:00 10:01:20	3 min
		11 1/2' 6 1/2'	9:59:00 OK at	10:00:20 end depth	10:00:20 OK at	10:02:20 end depth	2 min
	B	1/2' 3'	10:13:40 OK at	10:16:00 end depth	10:16:00 OK at	10:18:10 end depth	2 min
	C	1/2'	Visual only	OK below 2 1/2'			OK
	D	1/10 1/2' 3'	10:42:00 OK below 2 1/2'	10:49:23 missed	10:44:32 missed	10:48:30 2" in 4 min	2 min
	E	1/2' 3'	10:54:00	10:58:00	10:58:00	11:03:00	5 min
	F	3'	11:11:00	11:15:00	11:16:00	11:20:00	5 min
		1/2' 7'	11:12:00	11:03:00	11:13:00	11:15:00	2 min

REMARKS

TYPE OF SOIL Heavy moderately to heavily eroded loam

TESTED BY W. Miller ALSO PRESENT Keith John Kellerman Hugh of FPC

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3-5 min TRENCH WIDTH 2'

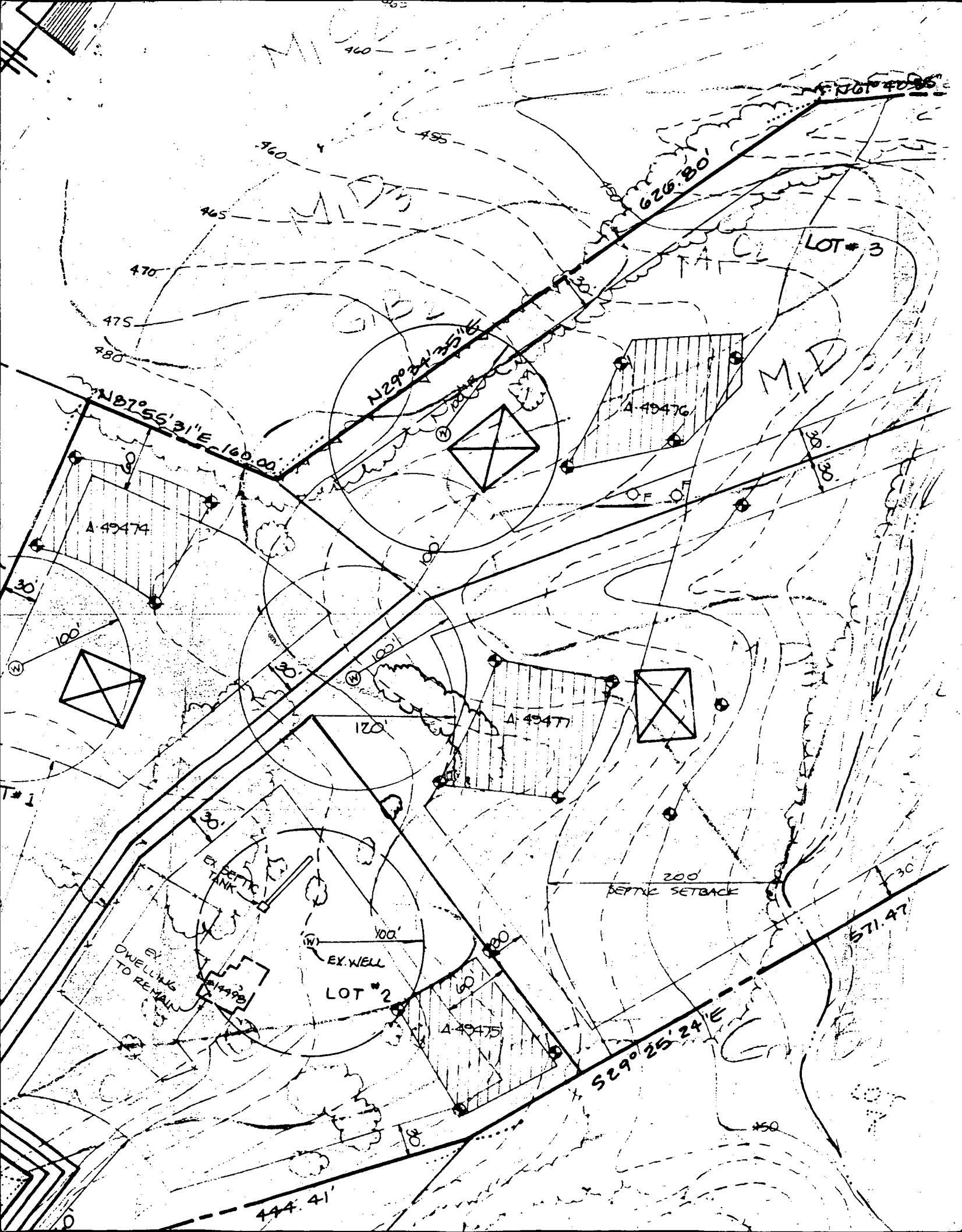
INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 4' SQ. FT/BEDROOM 180'

Lower Area (ABCD) used

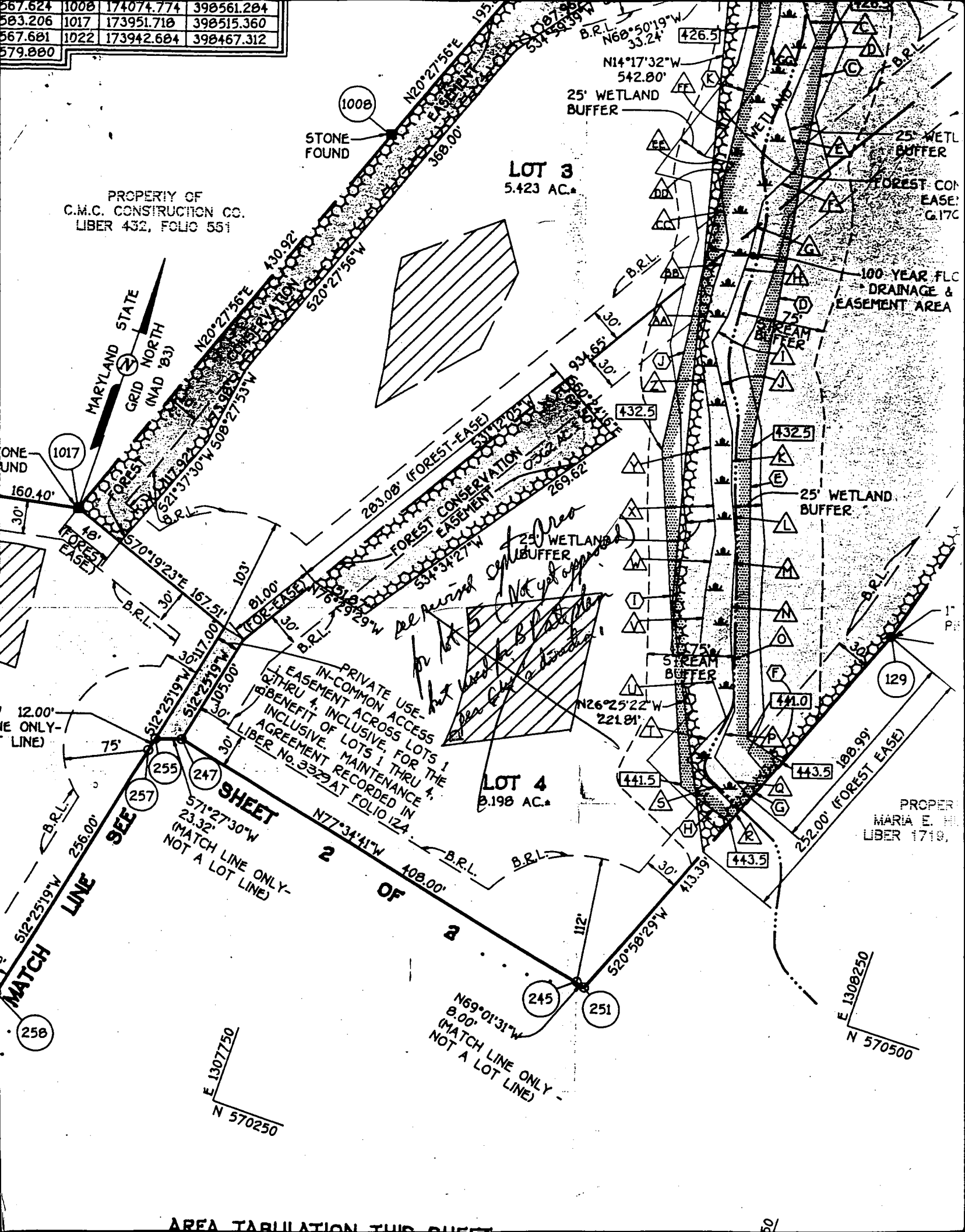
12' 2'

D+C  
L-HL  
grey brn  
white sand  
all stones  
Mica loam  
- SL  
some  
platy str  
Sagv. like  
L-HL  
Benton  
Mica loam  
SL





567.624	1008	174074.774	398561.284
583.206	1017	173951.718	398515.360
567.681	1022	173942.684	398467.312
579.880			



# LE50-SERIES

## TECHNICAL SPECIFICATIONS

### PUMP

The pump(s) shall be model \_\_\_\_\_ as manufactured by Liberty Pumps, Bergen, NY, or equal.

The pump(s) shall have a capacity of \_\_\_\_ GPM at a total dynamic head of \_\_\_\_ feet.

Motor size shall be 1/2 horsepower, single phase, 60 hz. and \_\_\_\_ volt operation.

### MOTOR

The pump motor shall be of the submersible type, oil filled, hermetically sealed and shall be thermally protected. The overload element shall automatically reset when motor cools. Motor windings shall be of the class B insulation rating. The rotor shaft shall be made of 416 stainless steel and shall be supported by lower bronze and upper sleeve bearings.

The power cord shall be of the quick-disconnect design allowing replacement of the cord without breaking seals to the motor and/or oil chamber.

### IMPELLER

The pump shall have a 2-vane semi-open impeller capable of passing a minimum 2" spherical solid.

### SEAL

The shaft seal shall be of the carbon/ceramic unitized design, with BUNA N elastomers and stainless housings.

### EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be heavy gray iron castings, class 25 or better. All castings shall be enamel coated before assembly. All fasteners shall be of 300-series stainless steel or brass.

### LEVEL CONTROL

The pump shall be controlled by an adjustable, mercury-free, wide angle float switch. Float cord shall be equipped with a series plug for manual by-pass operation.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
LE51M	1/2	115	1	13	2" FNPT	NO	2-VANE SEMI-OPEN
LE51A	1/2	115	1	13	2" FNPT	YES	2-VANE SEMI-OPEN
LE52M	1/2	230	1	6.8	2" FNPT	NO	2-VANE SEMI-OPEN
LE52A	1/2	230	1	6.8	2" FNPT	YES	2-VANE SEMI OPEN

10' cord standard on above models.

For 20' option, add a "-2" suffix to model number. Example: LE51A-2

### DIMENSIONAL DATA:

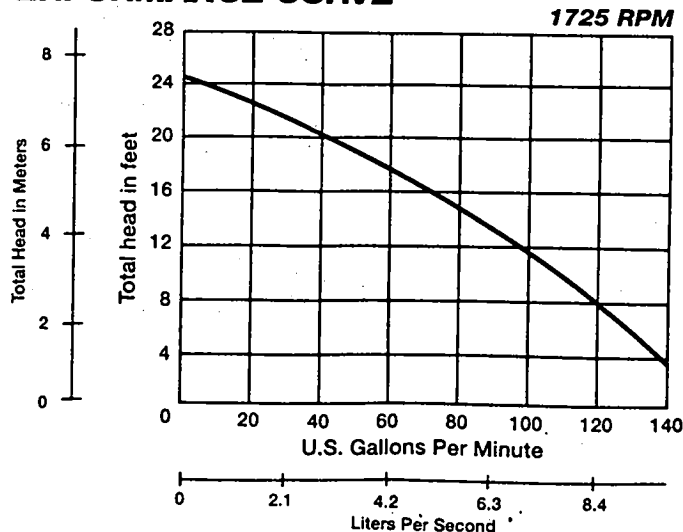
Weight: LE51M: 39 LBS.

Height: 12.75"

Major Width: 10.75" (manual models)

Maximum fluid temperature 140 degrees F.

### PERFORMANCE CURVE



Certified  
City of LA certification available



# Liberty<sup>TM</sup>

**New!**  
**LE50-SERIES**  
**SEWAGE PUMPS**  
**2" Solids-Handling**  
**1/2 hp**

**110% increased capacity!**  
**112 GPM at 10' TDH**  
**25' Maximum Head**

## MODELS:

<b>LE51M</b>	<b>115V, 13a, Manual</b>
<b>LE51A</b>	<b>115V, 13a, Automatic</b>
<b>LE52M</b>	<b>208-230V, 6.8a, Manual</b>
<b>LE52A</b>	<b>208-230V, 6.8a, Automatic</b>

Automatic Models feature a mercury-free wide-angle float with series plug – allows for manual operation of pump separate from switch.

## FEATURES:

- Heavy cast iron construction
- Oil filled, thermally protected motor
- Permanently lubricated bearings
- 2-vane, corrosion resistant \*HYTREL® impeller
- All stainless steel fasteners and rotor shaft
- Quick-disconnect power cord allows replacement of cord in seconds without breaking seals to motor
- 10' UL approved power cord standard (20' optional)

\*HYTREL® is a registered trademark of DuPont Polymers



## HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer  
May 11, 1998

### MEMORANDUM

TO: Brendon & Deborah O'Connell  
7622 Gaither Rd  
Sykesville, Md 21784

RE: BP# B00111243  
14492 Triadelphia Mill Rd

FROM: Ronald Pinkley, R.S.  
Water and Sewerage Program

This is to advise that the Health Department has recently recommended approval of the above referenced building permit application. Please be aware of the following conditions related to future permit processes:

#### SEPTIC SYSTEM ISSUES

WAIVED, PUMPED SYSTEM, 11/12/98  
HOUSE LOCATION  
NOT CRITICAL. (C)

1. A copy of the certified location drawing (i.e., wall check) for each structure shall be submitted to this office to allow sufficient review time prior to septic permit issuance.
2. Corners of the approved septic area should be staked by a licensed surveyor/engineer prior to system installation.
3. No grading shall be performed over any portion of the approved septic easement, unless specifically approved by the Health Department.

#### WELL WATER ISSUES

1. Final driveway location should be at least 15 feet from the existing well.
2. Notification of the well pump installation and well line connection must be forwarded to this office by the installer (licensed plumber/well driller/pump installer) prior to any approval request regarding the well water supply.
3. Prior to application for a Use and Occupancy Permit, the well water supply should be sampled by a private, state-certified laboratory and tested for at least the following parameters:
  - pH, chlorine, nitrates, coliform/fecal coliform bacteria, sand and turbidity
4. A licensed installer should submit "Notification of Water Treatment Device Installation" (if applicable).
5. OTHER: \_\_\_\_\_

cc: File

Bureau of Environmental Health  
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544  
Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644  
Food Protection Program (410) 313-2642 TDD (410) 313-2323



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## HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*  
May 5, 1998

### MEMORANDUM

TO: Brandon & Deborah O'Connell  
7622 Gaither Road  
Sykesville, Maryland 21784

FROM: Ronald J. Pinkley, R.S. *RJP*  
Water & Sewerage Program  
Bureau of Environmental Health

RE: Building Permit Serial Number: B00111243  
Lot ID: New SFD, Hartman Property, Lot 4  
14492 Triadelphia Mill Road

This office has received your Building Permit Application, serial number B00111243. The permit was recommended for approval subject to the following conditions and/or cautions:

- The proposed garage and driveway appear as minor encroachments on the Building Permit Site Plan. During construction, please take appropriate precautions to protect the remaining Revised Sewage Disposal Easement from further such encroachment.
- There is a second Revised Sewage Disposal Easement on this property, intended for future Lot 6, but which is not shown on the above referenced Building Site Plan. Be advised the location of the proposed Building and driveway on Lot 4 may or may not be in conflict with the SDE for future Lot 6. Such a situation could compromise plans for the future development of these 2 lots.

These conditions were discussed with your engineer, Zach Fisch of Fisher, Collins & Carter, on May 4, 1998.

If you have any questions please call 410-313-2640.

RJP:tl

cc: Fisher, Collins & Carter  
File ✓

APPLICATION

HOWARD COUNTY

SERIAL NUMBER

## PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT  
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

B011243

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

14492 Tridelphia Mill Road 35381  
Dayton, Maryland 21036GRADING/SEDIMENT CONTROL ☐ YES ☐ NO

SDP #

DESCRIPTION OF WORK AUTHORIZED

New Single Family Home  
with Attach 2 Car Garage  
3 Bedrooms 2 Baths + 1 half  
Baths

LOT NO. 4 PARCEL NO. 139 SEC. N/A AREA N/A BLOCK NO. 18 LIBER 3329 FOLIO 124

SUB DIVISION

ZONE

ZONE MAP

ELEC. DIST.

CENSUS TR.

Hartman Property

RE-DEVELOP 27

Fifth

605101

OWNER NAME AND ADDRESS

PHONE NO.

Brendan &amp; Deborah O'Connell

410-781-4013

OCCUPANT'S NAME AND ADDRESS

PHONE NO.

Brendan &amp; Deborah O'Connell

410-781-4013

ARCHITECT OR ENGINEER'S NAME AND ADDRESS

PHONE NO.

Fisher, C. M. Inc.

Ellicott City, MD

CONTRACTOR'S NAME AND ADDRESS

PHONE NO.

OWNER

EXISTING USE

PROPOSED USE

Unimproved Lot

Single Family Home

EST. CONSTRUCTION COST

LICENSE NUMBER

PERMIT FEE

\$150,000.00

W/S CODE

FOR OFFICE USE ONLY

DISTANCE IN FEET FROM R/W LINE TO FRONT BUILDING LINE

SIDE YARD

(DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE)

TO SIDE BUILDING LINE

DISTANCE IN FEET, REAR YD. REQUIRING SET

BACK (CORNER LOT ONLY)

SDP #

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

## CAUTION

To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.

Use and occupancy permit must be applied for two weeks before it will be issued.

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

LP-69-591

CK 101

SIZE OF BLDG. FRONT DEPTH HEIGHT

TYPE OF BLDG.

AREA

VOLUME

ROOF

B. ROOMS

ROOMS

BATHS

FIREPLACES

FOOTINGS

FOUNDATION

S. WALLS

UTILITIES

WATER/WELL

SEWER/SEPTIC

GAS

ELECTRICITY

TYPE OF HEAT

AC

I have carefully examined and read this application and know the same is true and correct, and that in doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been completed with.

SIGNATURE

TITLE

DATE

FUNCTION DATE SIGNATURE APPROVAL

ZONING/PLANNING

SHA

SEDIMENT/GRADING

BUILDING OFFICIAL

WATER &amp; SEWER

HEALTH DEPT.

FIRE PROTECTION

STORM WATER MGMT.

APPROVED

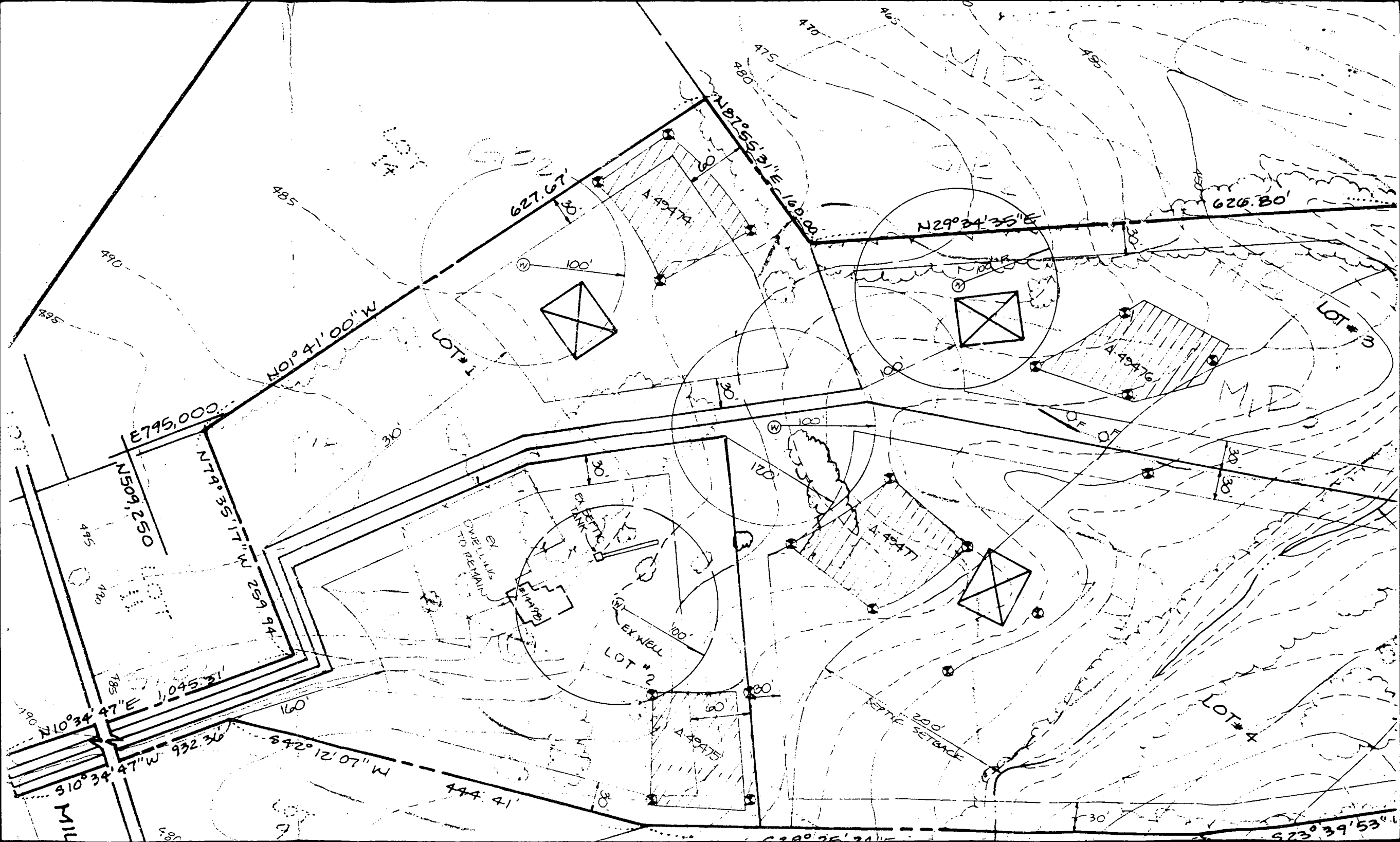
DATE

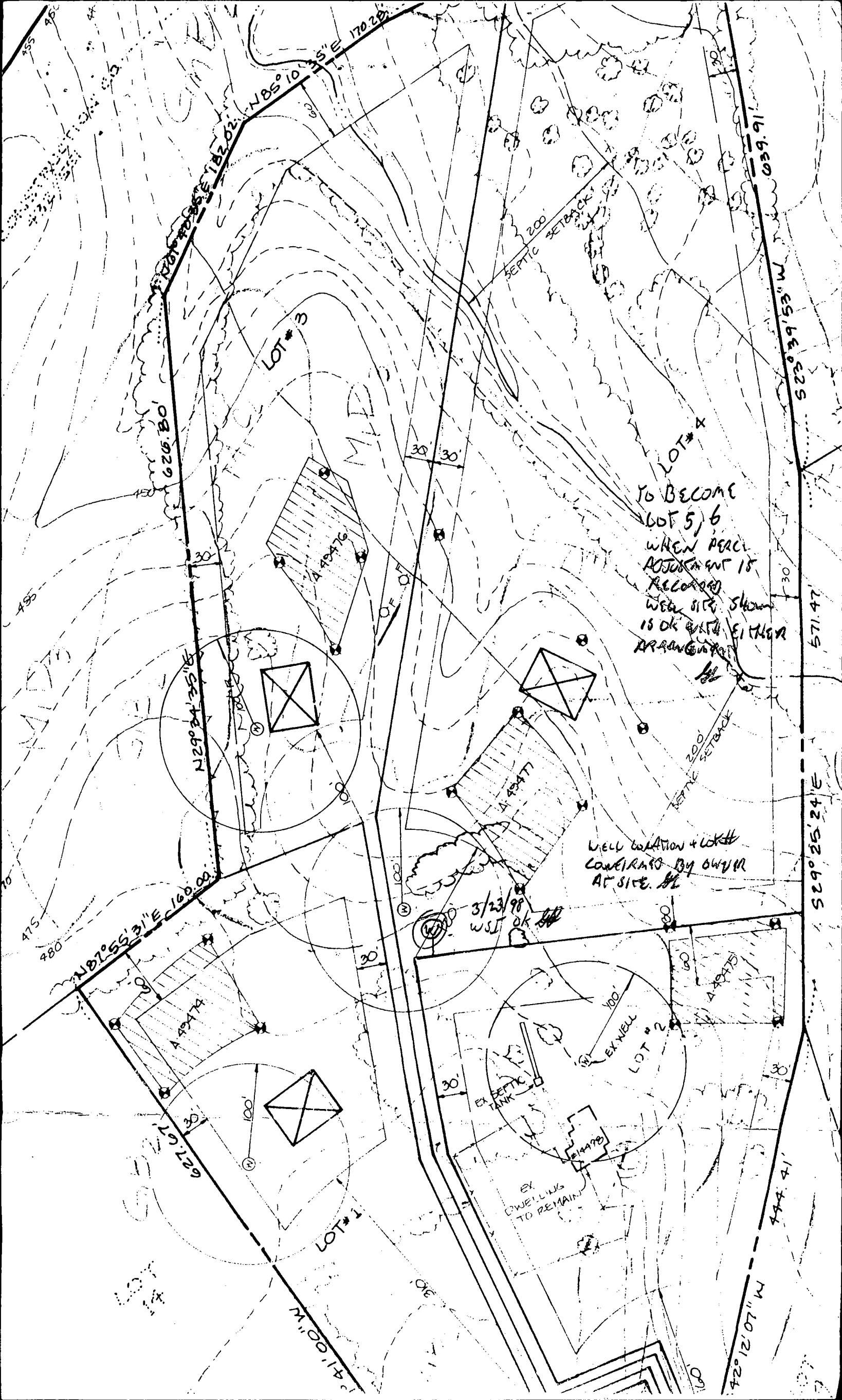
Distribution of Copies:  
White - Building Official  
Green - Planning & ZoningYellow - Engineering  
Pink - Health Dept.  
Gold - S.H.A.

Note: Plans to reconfigure  
the west part of old Double Spring Area  
as follows:  
1. Reconfigure the 470, 465, 460  
and 455 areas into a single  
unit, with possibly the  
450 area.

*See all papers filed  
under each name who was*







C 1 05082 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND WELL COMPLETION REPORT THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER 13 ST/CO USE ONLY DATE RECEIVED 7-10-98 DATE WELL COMPLETED 04 10 98 Depth of Well 180 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1493 OWNER HARTMAN HOWARD STREET OR RFD TRIADOLPHIA MILL TOWN DAYTON SUBDIVISION SECTION LOT 4

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 FROM TO check if water bearing Dirt 0 1 Br. Shale & Clay 1 3 Soft Br. Mica Schist 3 40 Hard Blue Schist 40 45 Soft Br. Schist 45 47 X Hard Blue Schist 47 116 Hard Green Schist 116 124 Hard Blue Schist 124 180

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 13 NO. OF POUNDS 1222 GALLONS OF WATER 78 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 41 ft. CASING RECORD casing types insert appropriate code below MAIN CASING TYPE S T Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 43 OTHER CASING (if used) diameter depth (feet) P L 4 0 30 to 100 P L 4 110 160 P L 4 170 180 SCREEN RECORD screen type or open hole (insert appropriate code below) S T B R H O STEEL BRASS OPEN HOLE PL BRONZE HOLE PL PLASTIC OTHER

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 18 ft. WHEN PUMPING 28 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

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED Y N CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. DRILLERS LIC. NO. 1 M W D 296 Ronald Kyker DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 M W D 334 Dana Kyker SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) P L 30 40 P L 100 110 P L 160 170 SLOT SIZE 1 .010 2 3 DIAMETER OF SCREEN 4 (NEAREST INCH) 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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES 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) LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) Triadelphia mill Rd



<b>B 1</b> 8722 <small>(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6, ON ALL CARDS)</small>	SEQUENCE NO. (MDE USE ONLY) _____	STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <b>HO-94-1493</b> <small>fill in this form completely</small>
<b>Date Received (APA)</b> <b>110497</b> <small>8 13</small>		<b>LOCATION OF WELL</b> <b>HOWARD</b> <small>8 COUNTY</small> <b>HARTMAN</b> <b>PROPERTY</b> <small>23 SUBDIVISION 42</small> SECTION <b>44</b> <b>46</b> LOT <b>48</b> <b>50</b> <b>DAYTON</b> <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) <b>2</b> <b>M</b> <b>I</b> <small>73 76 77 78</small>	
<b>OWNER INFORMATION</b> <b>HARTMAN</b> <b>HOWARD</b> <small>15 Last Name 34</small> <b>4498 TRIAD ELPHAMILL</b> <small>36 Street or RFD 55</small> <b>DAYTON</b> <b>MD</b> <b>21036</b> <small>57 Town 70 State 72 Zip 76</small>		<b>DRILLER INFORMATION</b> CIRCLE: MSD/MGD/MWD <b>Ronald Kyker</b> <b>2916</b> <small>Driller's Name 77 License No. 80</small> <b>Westminster Rotary Well Drill Inc</b> <small>Firm Name</small> <b>PO Box 891 Westminster Md</b> <small>Address</small> <b>Ronald Kyker 21157 10-29-97</b> <small>Signature Date</small>	
<b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b> <small>8 12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>500</b> <small>14 20</small>		<b>TRIAD ELPHAMILL Rd</b> <small>11 30</small> NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <small>34 37</small> <b>1000</b> DISTANCE FROM ROAD ENTER FT OR MI <b>FT</b> <small>38 39</small> TAX MAP: <b>27</b> BLK: <b>17</b> PARCEL: <b>96</b>	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> <b>D</b> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> <b>F</b> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> <b>I</b> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> <b>P</b> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> <b>T</b> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>HOWARD</b> <b>13</b> <small>COUNTY NAME COUNTY NO.</small> STATE SIGNATURE <b>Blk. Sarge</b> <b>3/24/99</b> <small>DATE ISSUED EXP. DATE</small> <b>032498</b> <b>510000</b> <b>796000</b> <small>43 50 55 57 63</small>	
APPROXIMATE DEPTH OF WELL <b>300</b> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <b>6</b> INCH <small>NEAREST INCH</small>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <b>City</b> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <b>796</b> <b>500</b> <small>000 000</small>	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN AIR-ROTARY <input type="checkbox"/> AIR-PERCUSSION <input checked="" type="checkbox"/> ROTARY (Hydraulic Rotary) CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION <b>1000' x well</b> <b>TRIAD ELPHAMILL Rd</b>	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> <b>N</b> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> <b>Y</b> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> <b>S</b> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> <b>D</b> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <b>41</b> _____ <b>52</b>		SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER <b>GAP</b> <small>54 63</small> FORCE <b>65</b> WRITE INITIALS IN BOX <b>HO-94-1493</b> <small>67 68 70 71 72 73 74 75 76 77 78 79</small>			

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒  
Replacement ☐

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_

Name of Installer Keith Horton Plumbing

Telephone 410-935-8547

License Number 4484

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber ☒

Name of Property Owner Brenda OConnell

Telephone 410-781-4013

Subdivision HARTMAN-Prop. Tr. Lot # 4

Well Tag # \_\_\_\_\_

Site Address 3ACE 14492  
21036 TRIGGLE BLVD HILL ROAD

Pump

1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible yes

Motor

1. Horsepower 3/4
2. RPM 3450
3. Voltage 220-10
  - a. 110 \_\_\_\_\_
  - b. 220 ✓

Pitless Adapter

1. Make SIMMONS
2. Model # PT800
3. Depth 4 feet

2. Make JAGUAR

3. Model # JT5B44108BK2

AMP 8.64/3

4. Capacity 10.901 GPM

5. Pump exceeds well capacity Yes \_\_\_\_\_ No ✓

6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No \_\_\_\_\_

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors 1 Cable guards 4 Other \_\_\_\_\_

Tank

1. Capacity 60 Gal
2. Pressure relief valve? yes

Piping

1. Type PVC 200 PSI
2. Size 1"
3. NSF and/or BOCA Code approved \_\_\_\_\_
4. Depth of supply line 4 feet

Well data

1. Depth 260 ft.
2. Yield 18 GPM
3. Static water level 87 ft. Bello Draft
4. Will water supply be disinfected by installer? \_\_\_\_\_

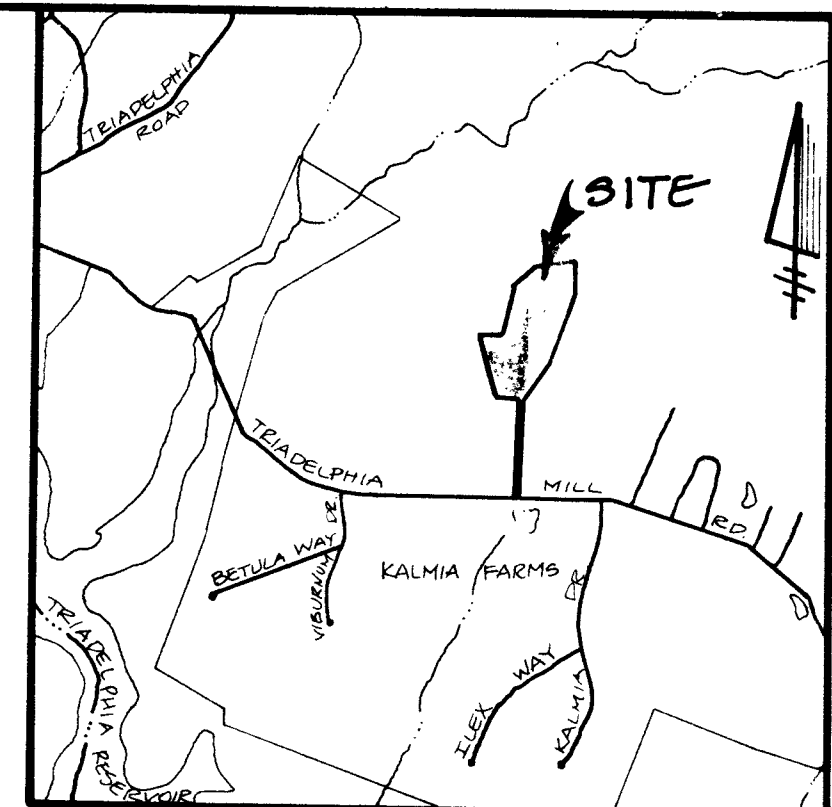
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Keith Horton

Date: 10-13-99

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



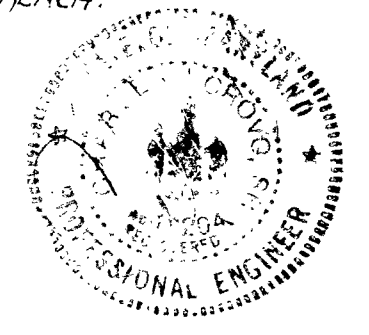
VICINITY MAP  
SCALE: 1" = 2,000'

NOTES: (PERTAINING TO LOT # ONLY)  
1. WELL TO BE DRILLED PRIOR TO SIGNATURE OF PLAT.  
2. THE DESIGNATED HOUSE SYSTEM WILL REQUIRE A PUMP SYSTEM.

GENERAL NOTES:

1. SUBJECT PROPERTY IS ZONED: RE-DEO
2. TOTAL AREA OF PROPERTY: 20.761 AC.
3. TOTAL NUMBER OF BUILDABLE LOTS: 4
4. TOTAL AREA OF BUILDABLE LOTS: 20.761 AC.
5. PRIVATE WATER AND SEWER TO BE UTILIZED.
6. THERE ARE EXISTING DWELLINGS ON LOT NO. 1 TO REMAIN.
7. THIS AREA DESIGNATES A PRIVATE SEWERAGE 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.
8. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
9. (W) DENOTES PROPOSED WELL LOCATION.
10. (H) DENOTES PROPOSED HOUSE LOCATION.
11. TOPOGRAPHY BASED ON HOWARD COUNTY'S 1"=200' TOPO.
12. SOILS MAP NO. 17
13. (S) DENOTES PERC HOLE
14. (O) DENOTES TAILED PERC HOLE
15. (S) DENOTES STEEP SLOPES (25%+)

NOTE: LOCATION OF EXISTING WELL AS PER OWNER TO THE BEST OF OUR KNOWLEDGE, EX. WELL IS AT LEAST 50' FROM EX. TRENCH.



SOIL'S STUDY

SOIL	NAME	SOIL GROUP
G1B2	GLENELG	B
GnB2	GLENVILLE	C
M1C2	MANOR	B
M1C3	MANOR	B
M1D3	MANOR	B
M1B2	MANOR	B

(\*) HYDRIC SOILS  
(\*\*) SOILS SUBJECT TO HYDRIC CONDITIONS  
(\*\*\*) SOILS W/ SLOPES LESS THAN 15% & SIGNIFICANT EROSION POTENTIAL.

PERC CERTIFICATION PLAN

HARTMAN PROPERTY

(RESUBDIVISION OF LOT #10)  
TAX MAP 27 BLOCK 17 PARCEL 96  
FIFTH DISTRICT HOWARD CO., MARYLAND  
SCALE: AS SHOWN DATE: JUNE 1993

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.  
HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]* 12/27/93  
COUNTY HEALTH OFFICER DATE

OWNER:

FRANK HARTMAN AND  
CAROLYN HARTMAN  
14498 TRIADELPHIA MILL RD.  
DAYTON, MD. 21036

PLAN

FISHER, COLLINS & CARTER, INC.

9171 BALTIMORE NATIONAL PIKE, SUITE 100  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2855



# SEDIMENT CONTROL NOTES

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (33-4025).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, IN 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 301.600 (SEC. 34), TEMPORARY SEEDING (SEC. 301.600 (SEC. 34), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:
 

TOTAL AREA OF SITE	0.108 ACRES
AREA DISTURBED	0.07 ACRES
AREA TO BE ROOFED OR PAVED	0.354 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.124 ACRES
TOTAL CUT	900 CU.YDS.
TOTAL FILL	500 CU.YDS.
8. OFFSITE WASTE/BORROW AREA LOCATION: CU.YDS.
9. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
10. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
11. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
12. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

## GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 445.50  
B. BASEMENT ELEVATION: 442.00  
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 448.00  
D. INVERT IN AT SEPTIC TANK: 447.46  
E. INVERT OUT AT SEPTIC TANK: 447.16  
F. PROPOSED GRADE OVER SEPTIC TANK: 451.00  
G. INVERT AT DISTRIBUTION BOX: 445.00  
H. EXISTING GROUND OVER DISTRIBUTION BOX: 446.00  
I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
4. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
5. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.
6. INVERT IN AT PUMP: 446.56

SITE.

GRANTED FROM  
ENT CONTROLS

TO BE REDISTURBED  
EDED.

G. DISCING

14 LBS./1000 SQ. FT.)

AND AUGUST  
EL. PER ANNUAL  
THRU AUGUST 14,  
107 LBS./1000SQ.FT.).  
10. PROTECT SITE BY  
STRAW MULCH AND  
USE 600.

5/1000 SQ.FT.)  
AFTER SEEDING  
USING MULCH  
GAL./1000 SQ.FT.)  
25 0 FEET OR HIGHER,  
1 FOR ANCHORING.

SPECIFICATION FOR SOIL  
METHODS NOT COVERED.

75

DISCING

192 LBS./  
1/2ZEE  
DISC.  
SEEDING  
1/2ZEE  
65.7

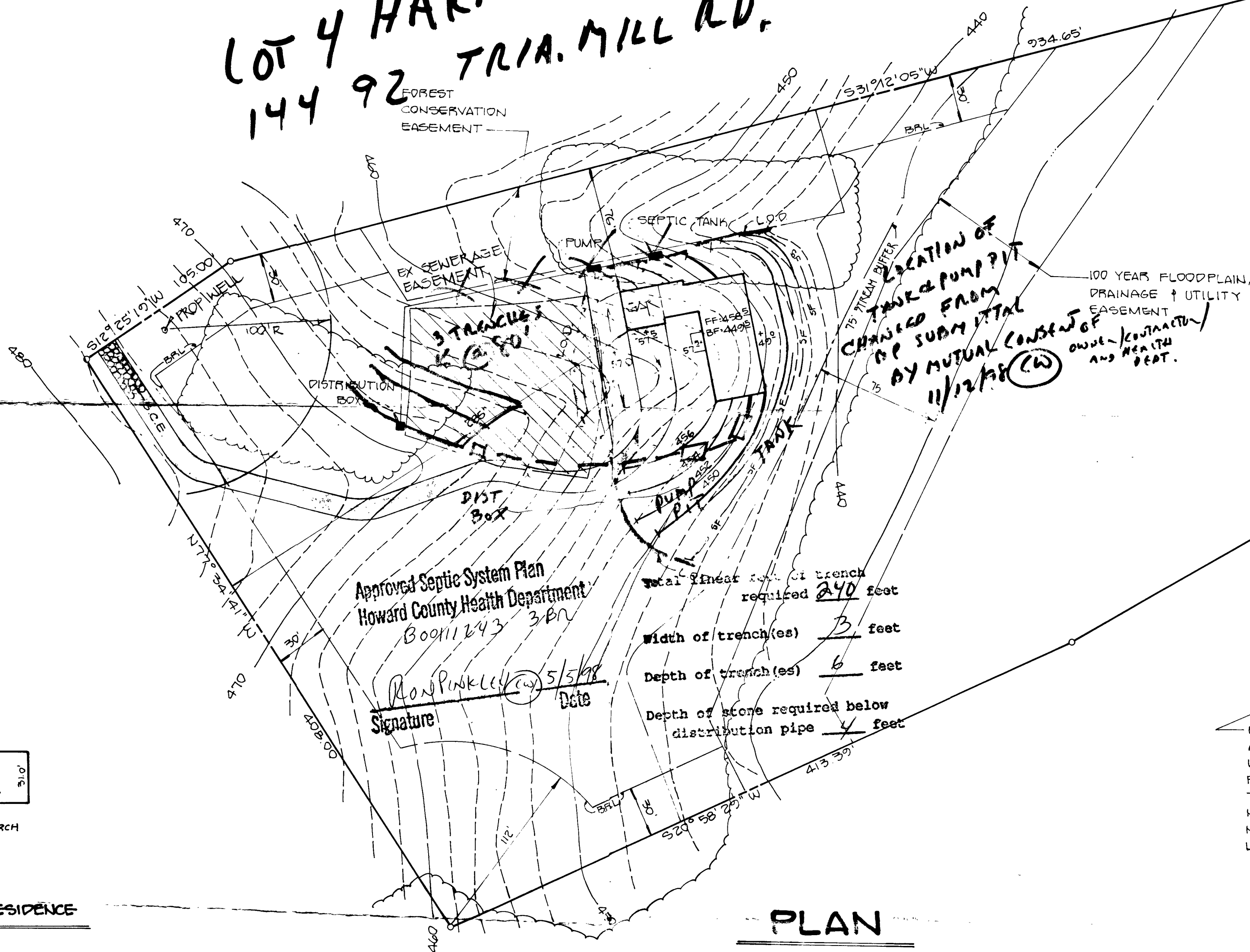
AUGUST  
EL. (2.3  
THE  
ACRE  
1  
OUGH  
ONE PER  
IS 500N AS  
ION (5) -  
AND MULCH  
SLOPES SHOULD

100 SQ.FT.)  
SE SEEDING  
KG 20N  
ED  
PER USE  
ANCHORING.

1RS.

TOH AT 15  
LBS./ACRE AS  
E FOR THIS

LOT 4 HARTMAN  
144 92 TRIA. MILL RD.



PRIVATE USE  
ACCESS EAS  
LOTS 1 THRU  
FOR THE BE  
THRU 4, INCL  
MAINTENANC  
MENT RECOR  
L 3323 AT F.

TRIADELPHIA  
MILL ROAD

Hartman Property Lot 4

## ENGINEER'S CERTIFICATE

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer (Print name below signature)

Date

## DEVELOPER'S CERTIFICATE

"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 a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer (Print name below signature)

Date

Reviewed for HOWARD SCD and meets Technical Requirements.

U.S.D.A.-Natural Resources  
Conservation Service

Date

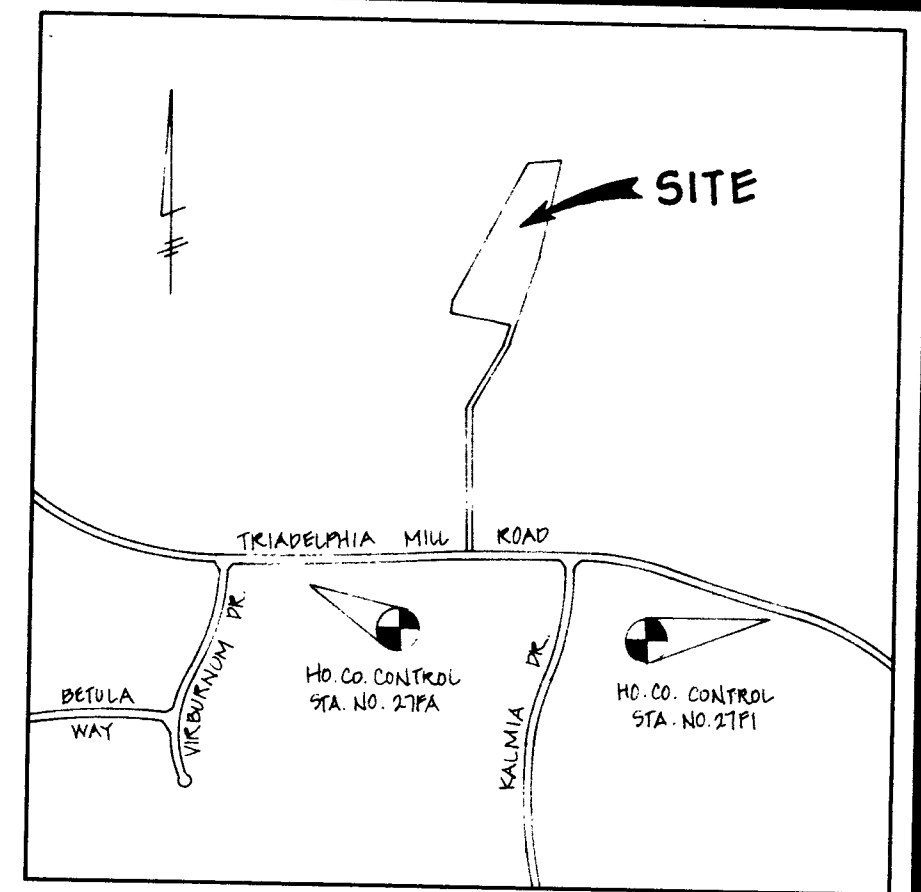
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD

Date

OWNER





**VICINITY MAP**  
SCALE: 1" = 1200'

**GENERAL NOTES:**

1. 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. 11444 TO THE LOCATION SHOWN HEREON.
4. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
5. DENOTES WELL LOCATION.
6. DENOTES PERC HOLE LOCATION.
7. OWNER & DEVELOPER:

HOWARD F. HARTMAN AND CAROLYN HARTMAN  
14498 TRIADELPHIA ROAD  
DAYTON, MARYLAND 21036

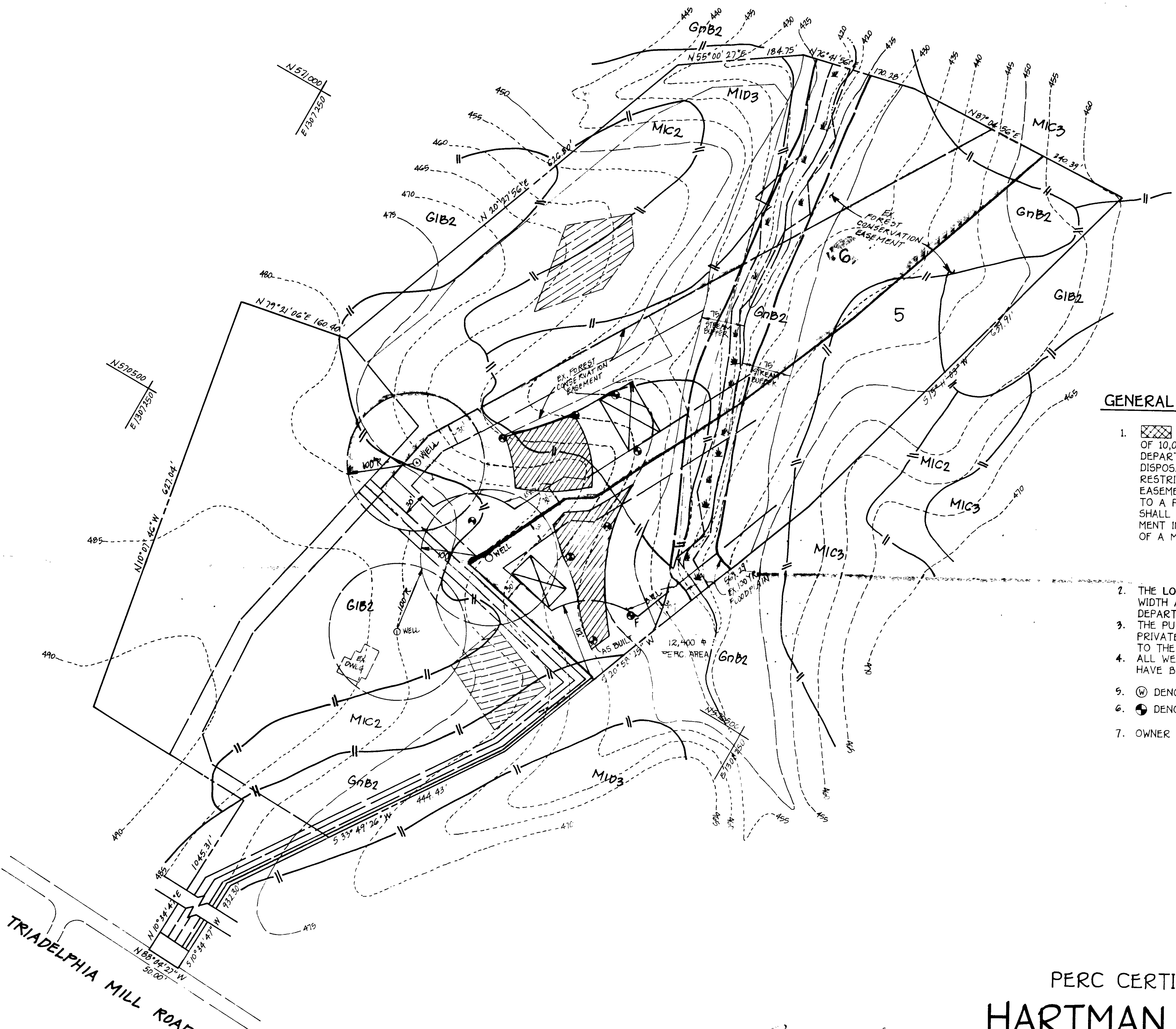
PERC CERTIFICATION PLAT  
**HARTMAN PROPERTY**  
LOTS 5 AND 6

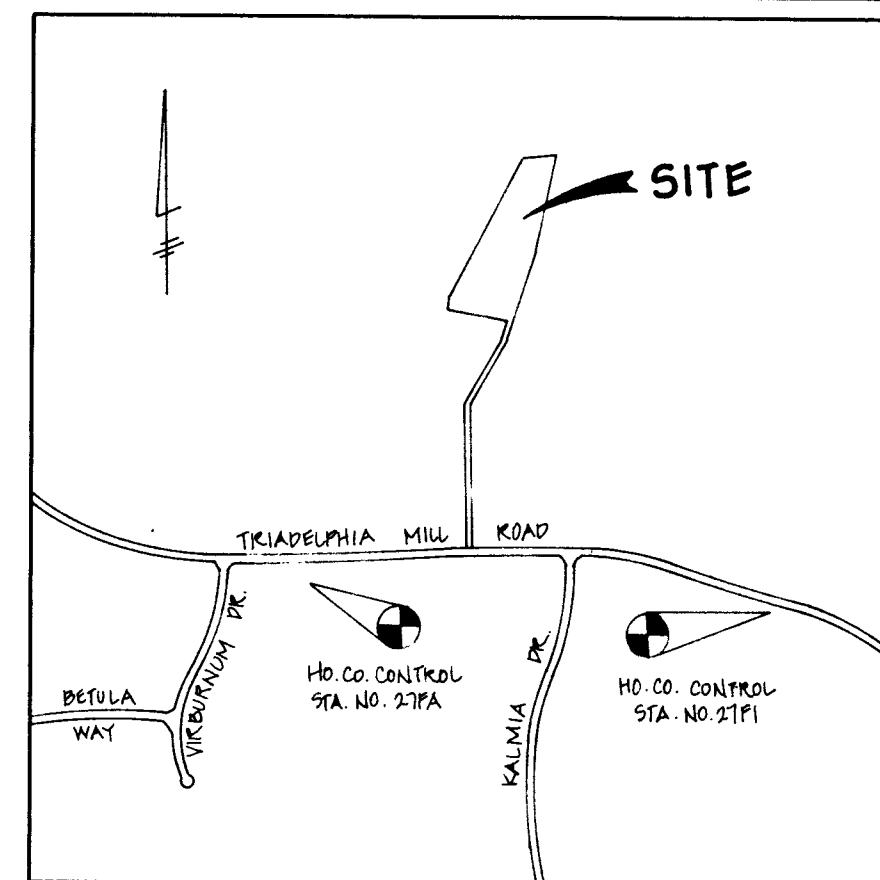
TAX MAP 27 ZONED: "RR-DEO" PARCEL(S): 96  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 100' DATE: JANUARY, 1998

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
*Joyce M. Boyd Moore*  
COUNTY HEALTH OFFICER  
2-26-98  
DATE

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL AVENUE  
ELLICOTT CITY, MARYLAND 21042  
410 461-2855

TRIADELPHIA MILL ROAD





VICINITY MAP  
SCALE: 1" = 1200'

GENERAL NOTES:

1. 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS PER RECORD PLAT NO. THIS EASEMENT IS TO BE ABANDONED.
3. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. TO THE LOCATION SHOWN HEREON.
5. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
6. (W) DENOTES WELL LOCATION.
7. (P) DENOTES PERC HOLE LOCATION.
8. OWNER & DEVELOPER:

HOWARD F. HARTMAN AND CAROLYN HARTMAN  
14498 TRIADELPHIA ROAD  
DAYTON, MARYLAND 21036

PERC CERTIFICATION PLAT  
HARTMAN PROPERTY  
LOTS 5 AND 6

(A RESUBDIVISION OF LOT 4 - PLAT NO. 11444)

TAX MAP 27

ZONED: "RR-DEO"

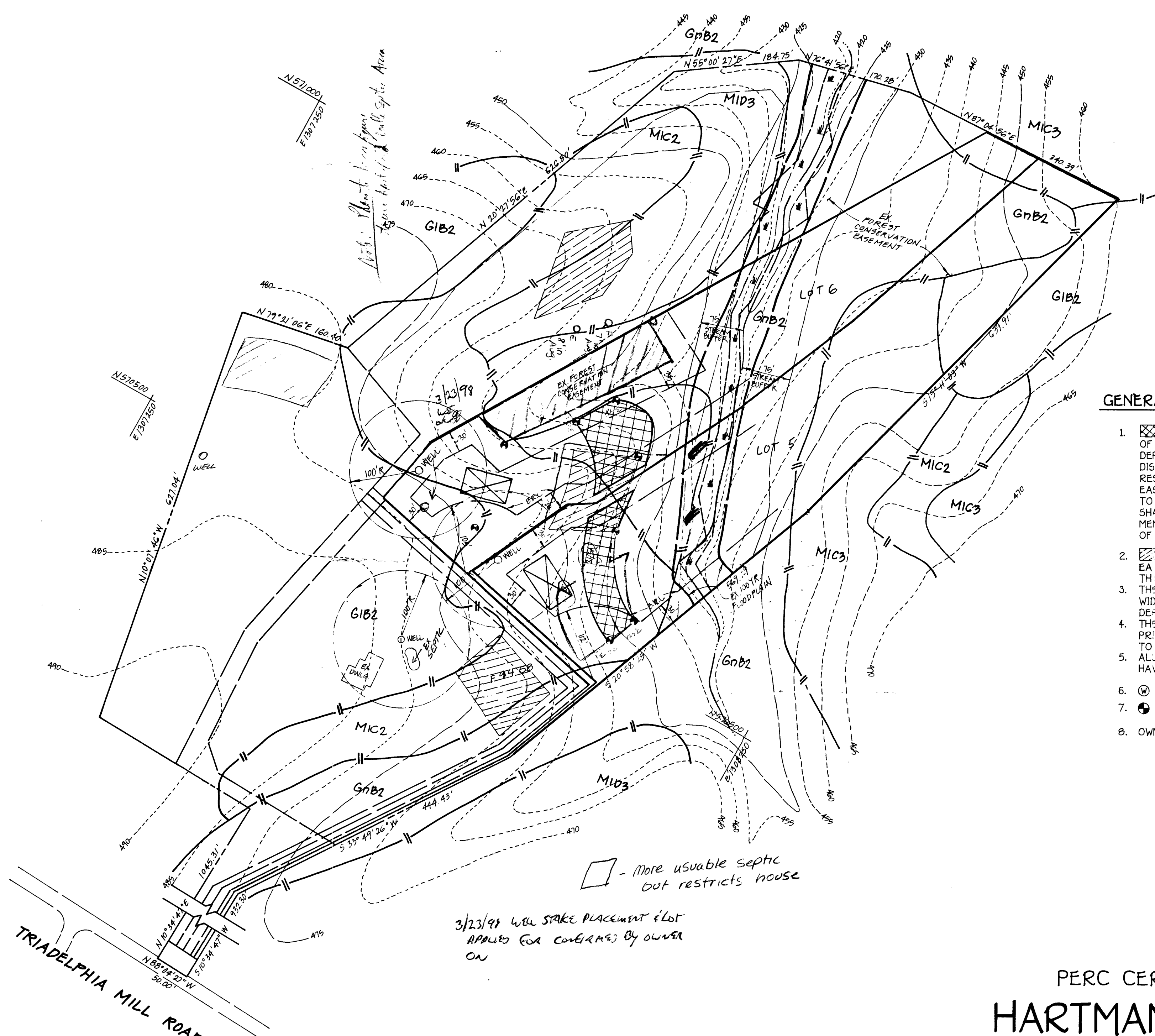
PARCEL(S): 96

FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 100'

DATE: JANUARY, 1998



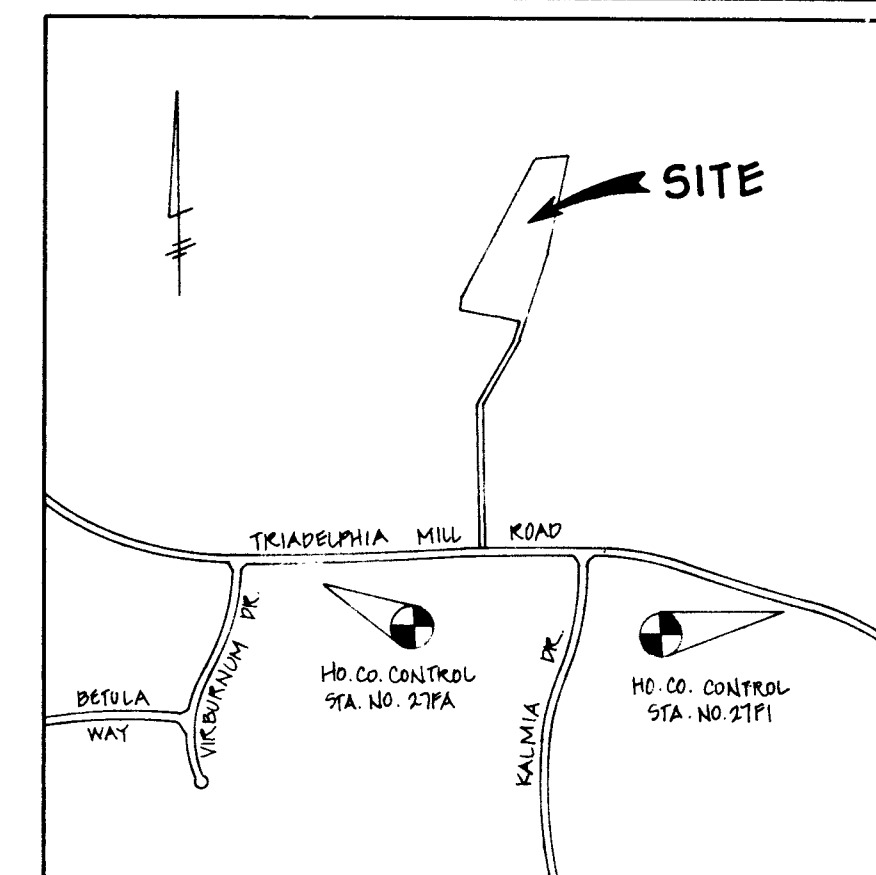
□ - More usable septic  
but restricts house

3/23/98 well stake placement & lot  
applied for confirmed by owner  
on

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER

DATE



**VICINITY MAP**  
SCALE: 1" = 1200'

**GENERAL NOTES:**

1. 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS PER RECORD PLAT NO. 11444. THIS EASEMENT IS TO BE ABANDONED.
3. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. 11444, TO THE LOCATION SHOWN HEREON.
5. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
5. DENOTES WELL LOCATION.
6. DENOTES PERC HOLE LOCATION.
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PERC CERTIFICATION PLAT  
**HARTMAN PROPERTY**  
LOTS 5 AND 6

(A RESUBDIVISION OF LOT 4 - PLAT NO. 11444)

TAX MAP 27      ZONED: "RR-DEO"      PARCEL(S): 96  
FIFTH ELECTION DISTRICT      HOWARD COUNTY, MARYLAND  
SCALE: 100'      DATE: JANUARY, 1998

**FISHER, COLLINS & CARTER, INC.**  
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*Joyce M. Boyd M.D.P.S.*  
COUNTY HEALTH OFFICER

2-26-98  
DATE

*John L. Fisher*