

1,ax ID-05-4/3/09

2:00  
ump Test

# PERMIT

## SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
410-313-2640

P 517302

A 43927

ISSUE DATE 6/3/02

APPROVAL DATE 6/7/02

**INDEXED**

## Hatfield's Equipment

IS PERMITTED TO INSTALL X ALTER       

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

SUBDIVISION Highland Oaks LOT NUMBER 4 ADDRESS 6854 Santa Maria Avenue

PROPERTY OWNER Joyce Miskovic PROPERTY OWNER'S ADDRESS 6118 85th Avenue

SEPTIC TANK CAPACITY 1500 GALLONS - Top seamed tank required

PUMP CHAMBER CAPACITY 1500 GALLONS = Top seamed tank required

NUMBER OF BEDROOMS 5

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 300

**TRENCHES:** Trenches to be 3.0 feet wide. Inlet 22.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. 2.0 feet of stone below distribution box.

LOCATION: Place the distribution box 130 feet down the 205.77' lot line and 70 feet off this same lot line as seen from Santa Maria Avenue. Run first trench along contour towards the 205.77' lot line; run all other trenches along contour in both directions.

**NOTES:** Septic pump detail to be provided by installer prior to issuance of septic permit.  
Pump performance test is necessary prior to Health Department approval of pump septic system. *82 (BB)*

PLANS APPROVED Donna K. Soe DATE 3-6-00

**PERMIT VOID AFTER 2 YEARS**

**NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS**

**NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE**

**NOTE: WATERTIGHT SEPTIC TANKS REQUIRED**

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

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

**NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED**

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

**NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS**

**NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES**

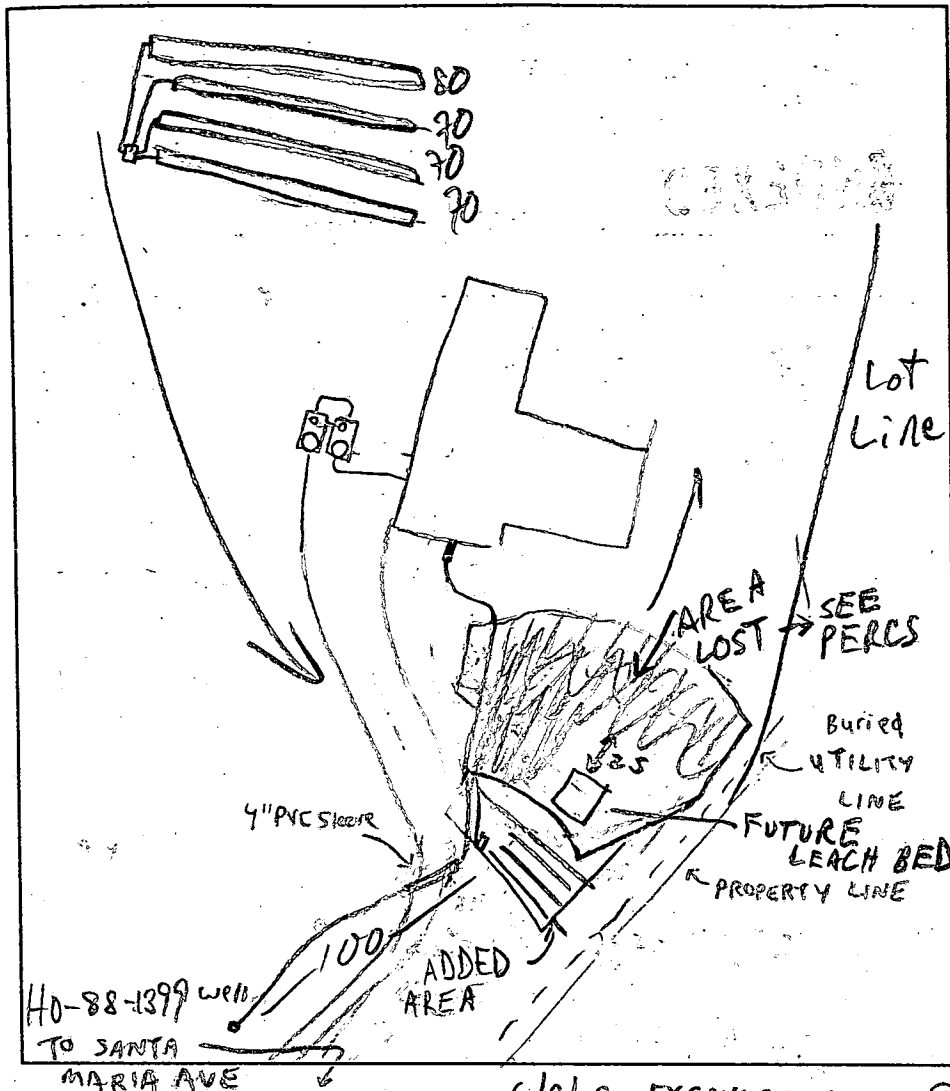
**NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT**

**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**

A48927

NOT TO SCALE



### TRENCH DATA

TRENCH WIDTH 3  
TRENCH INLET DEPTH 2.5  
TRENCH BOTTOM DEPTH 4.5  
DEPTH OF STONE 2  
NUMBER OF TRENCHES 4  
TOTAL TRENCH LENGTH 290  
ABSORBENT AREA 870  
DISTRIBUTION BOX LEVEL ☒  
BAFFLE IN DISTRIBUTION BOX ☒

### SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS  
MANHOLE RISER Front  
6 INCH INSPECTION PORT Rear

### PUMP CHAMBER DATA

PUMP CHAMBER GALLONS 1500 TS  
MANHOLE RISER Rear  
ALARM OPERATIONAL  
PUMP PERFORMANCE TEST ☒

PRE-CONSTRUCTION INSPECTION: 6/3/02 - EXCAVATED HOLES (A) (B), (C1) & (C2) SEE RESULTS, INSTALL

INITIAL SYSTEM AS HIGH AS POSSIBLE (OUT OF 100' WELL RADIUS). TANKS SET UNORTHodox BUT OK, PUMP LINE TO BE RUN UNDERNEATH WELL LINE BY 12". INSTALL 65, 70, 80 & 80 (6' ETC INSPECTION COMMENTS: 9' CTC). REPAIR AREA TO BE EST. ONCE INITIAL SYSTEM INSTALLED, OK TO PUMP TEST W/O ENTIRE ELECTRIC INSTALLED (SRK/JB)

6/4/02 ADD'L SEPTIC AREA LOST @ LOW END DUE TO ROCK; ONE FUTURE REPAIR AREA REMAINS BUT MUST BE 20' X 30' LEACHING BED + ONE 80-90' TRENCH; TRENCHES OK TO COVER MR

6/7/02 - PUMP & ALARM OPERATIONAL, EQUAL FLOW AT DISTRIBUTION BOX (SRK)

INSPECTOR Steven R. King DATE SYSTEM APPROVED 6/7/02

ADDENDUM: PRECISE PIPE MEASUREMENTS FROM HOUSE TO DIST BOX NOT OBTAINED; FINAL AS APPROVED (MR)

# APPLICATION

PERCOLATION TESTING

A NO FEE

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT \_\_\_\_\_

DATE 6/3/02

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 Highland Oaks LOT NO. 4

ROAD AND DESCRIPTION 6854 Santa Maria Avenue

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 \_\_\_\_\_

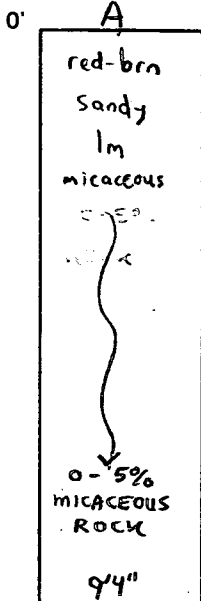
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

## THIS IS NOT A PERMIT

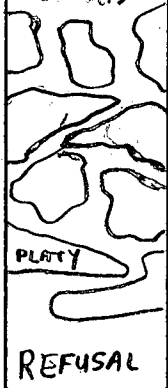
COUNTY #

## SOIL PROFILE

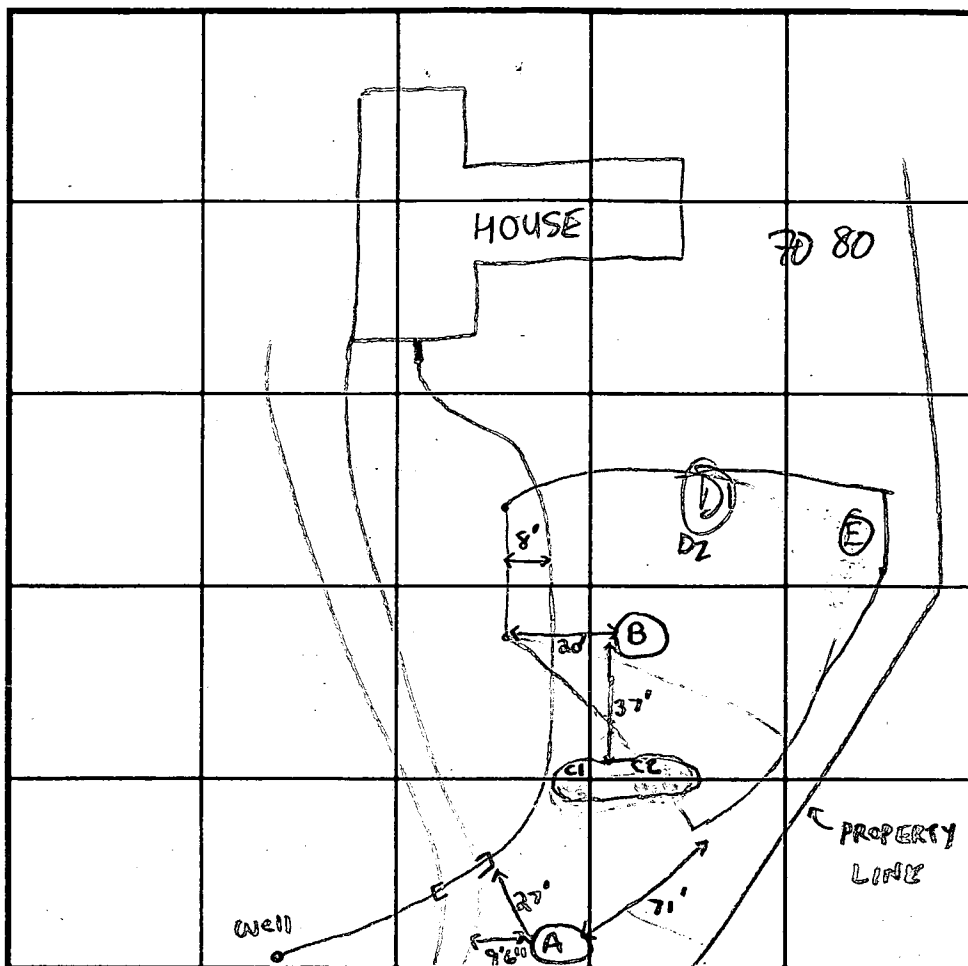
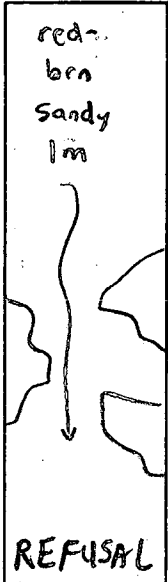


B

red-brn  
sandy  
1m  
large platy  
boulders

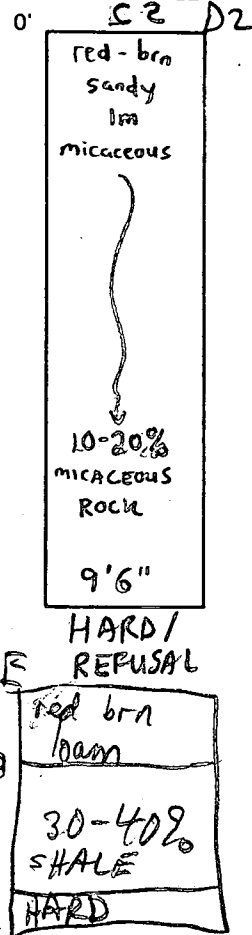


C1



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

## SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/3/02	A	9'4" V	(VISUAL OK		SEE SOIL PROFILE)		NA	OK
	B	4' V	(REFUSAL AT	4'			NA	Fails
	C1	4' V	( "	"	"		NA	Fails
	C2	9'6" V	(VISUAL OK		SEE SOIL PROFILE)		NA	OK
6/4/02	D1	3-4	REFUSAL				FAIL	
6/4/02	D2	6±	SIM TO C2					
	E	7						

REMARKS

TYPE OF SOIL

EVAL

TESTED BY

SRK, MR, JB

Jeff - Hatfields Donnie - Hatfields

ALSO PRESENT Mr. Miskovich

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

# APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

A 43927

P \_\_\_\_\_

DISTRICT 5

DATE 3/16/89

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER HIGHLAND DULANT CORP.

ADDRESS PO BOX 208 CLARKSVILLE PHONE 531-5539

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION HIGHLAND OAKS LOT NO. 6

ROAD AND DESCRIPTION SANTA MARIA AVE

TAX MAP 40 PARCEL # 36

SIZE OF LOT 3A TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

Richard M. Mennett  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

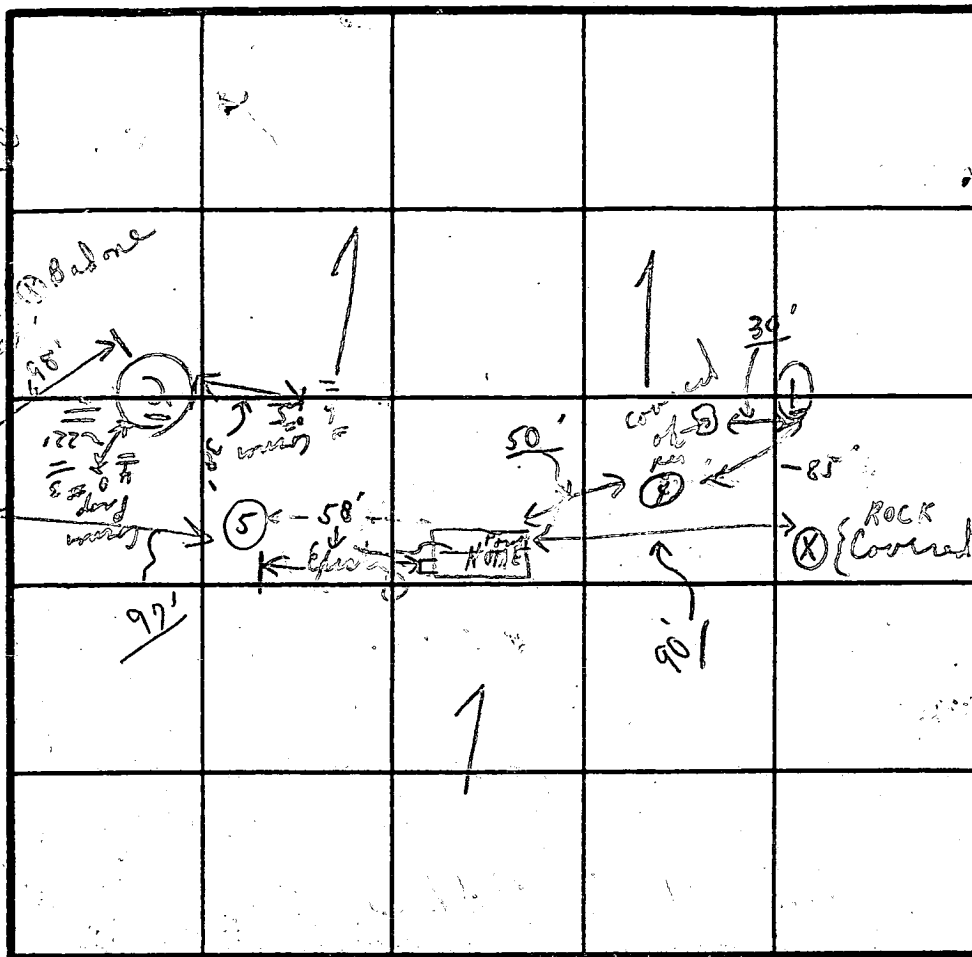
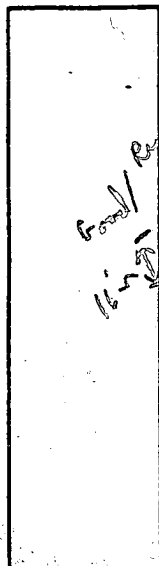
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

## THIS IS NOT A PERMIT

A 43927

#6 Contour

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

$\bar{x} = 6 \text{ min}$   
 Inlet = 2.5 ft  
 Bottom = 6.0 ft  
 180 sq ft / bldg

4/6/89

Hold for well  
 + house site  
 Inlet 3 1/2'  
 (average  
 time 6 min)

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/6	①	3'	9:36	9:39	9:39	9:45	6 min	
1st LOT	①	12'	LO AM		NO ROCK			
4	②	2 1/2'	9:50	9:51	9:51	9:53	2 min	
only	②	10'-3"	"Solid"		Sandy Loam			
	③	2 1/2'	9:58	10:00	10:00	10:05	5 min	
		11'	5% - 10%		Sandy loam			
	④	[ 3 1/2' - 11 1/2' Visual - loam - ok ]						
	⑤	[ 4 1/2' - 11' Visual - loam ok ]						

REMARKS

TYPE OF SOIL

TESTED BY

{ 6/6/89 Hold for retested }

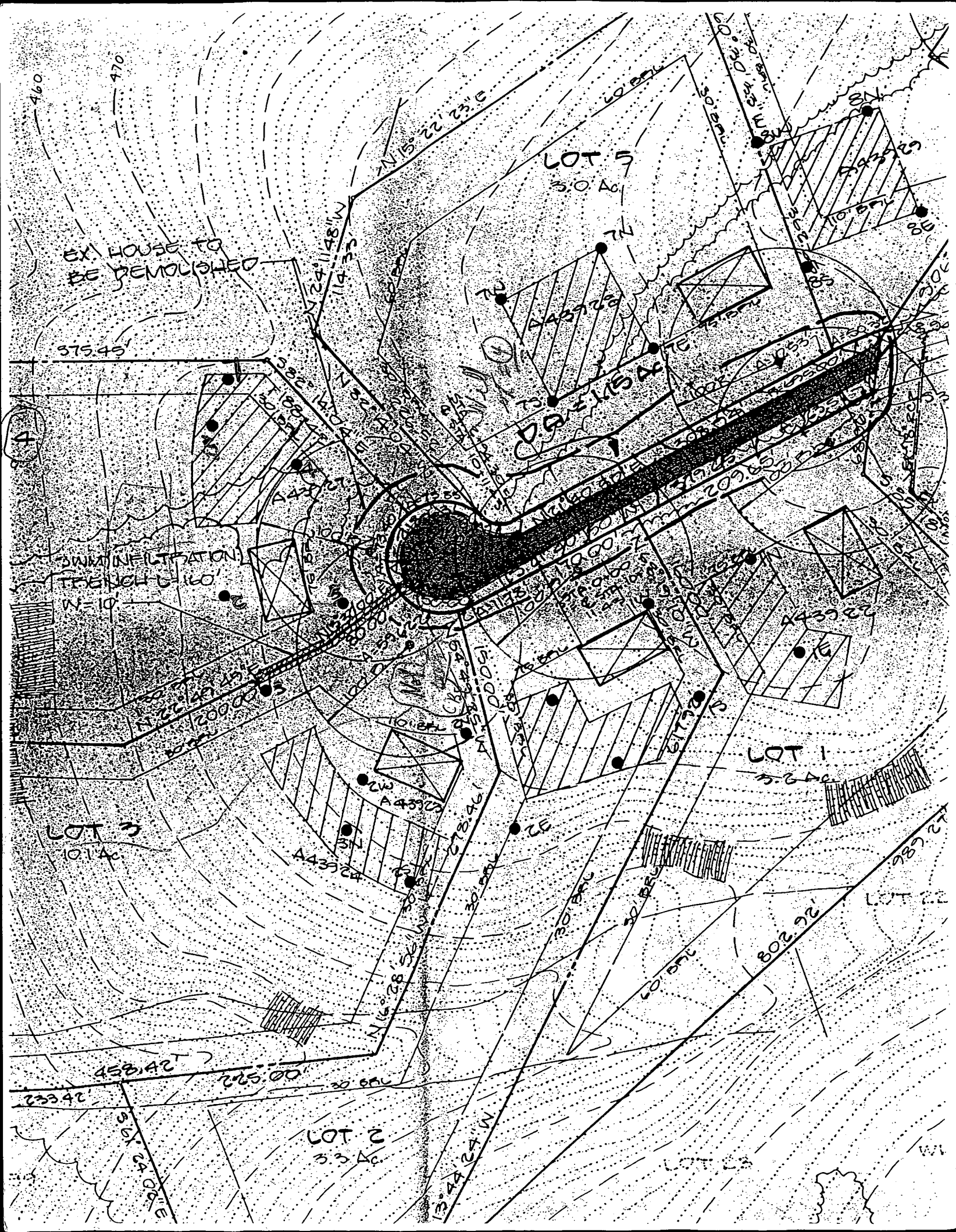
holes - may - make - 2 Lots!!

C. Red

ALSO PRESENT

{ Same as 4/5 }

Pg. 2 of 2



# APPLICATION

PERCOLATION TESTING

A 43927

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 5

DATE 3/16/89

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Highland Development Corp.

ADDRESS PO BOX 208 CLARKSVILLE PHONE 531-5539

PROSPECTIVE BUYER \_\_\_\_\_

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

PROPERTY LOCATION:

Prelim 4 - unused

SUBDIVISION HIGHLAND OAKS LOT NO. 6

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

TAX MAP 40 PARCEL # 36

SIZE OF LOT 3 A TYPE BLDG. SFD

(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

Richard A. Hornsby  
(SIGNATURE OF APPLICANT)

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

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

REASONS FOR REJECTION OR HOLDING

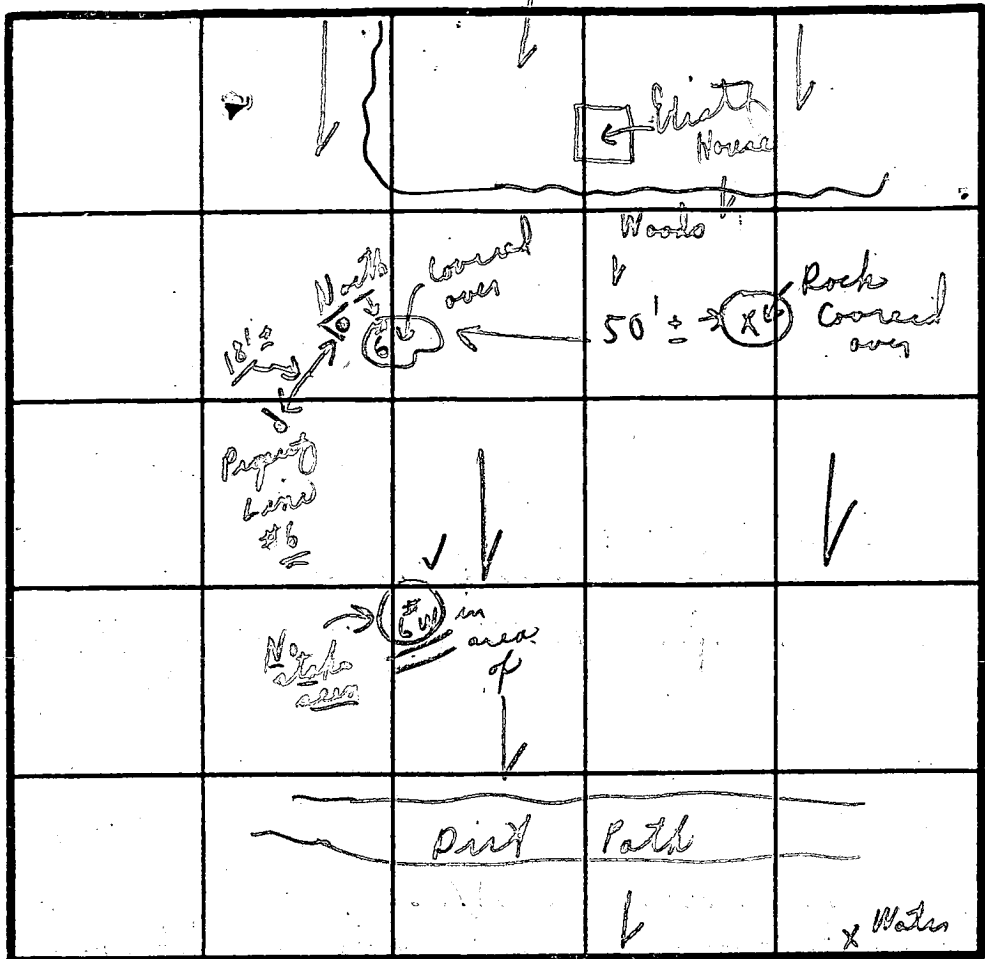
6/5 in original perc area as staked.  
Water in low area of lot or other. C.B.O.  
Retest 6/6/89 Hold for houses, wells & holes existing.

## THIS IS NOT A PERMIT



FRONT OF LOT

43927  
#6  
SOIL PROFILE

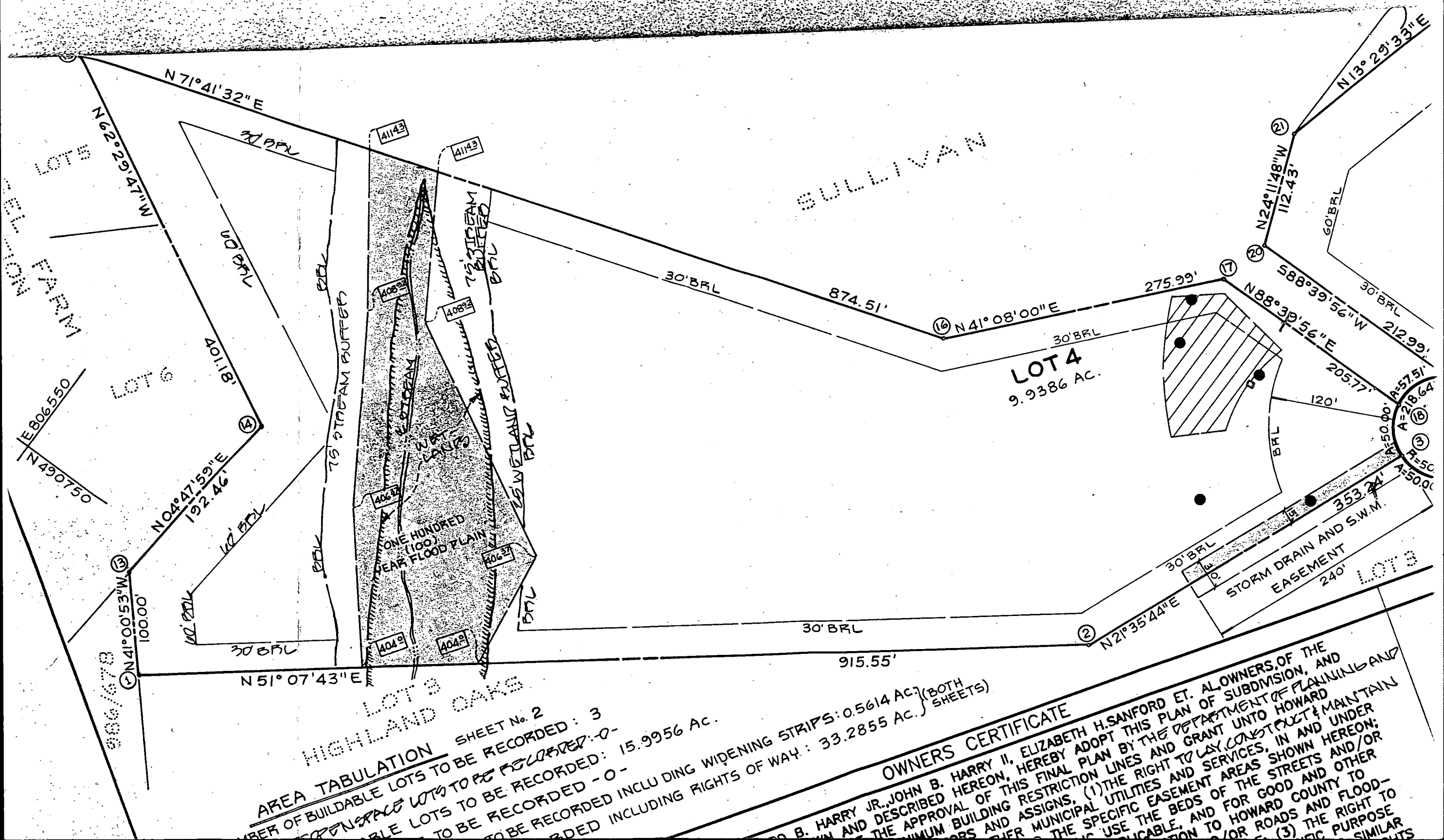


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(See #5)

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/6/89	(6)	'	:	:	:	:	
TUES	(6)	'	:	:	:	:	
Wed	(6)	'	:	:	:	:	
Loq	(6)	'	:	:	:	:	
	(6)	'	:	:	:	:	
Stake	(6W)	3'	2:00	2:01	2:01	2:02	1 <sup>st</sup>
covered	(6W)	10' 9"	:	:	:	:	
		1 <sup>st</sup> due to			soled		Sandy loam

REMARKS Tests in woods { Caught water degger }  
" per stake . { 2:00 P.M. }  
TYPE OF SOIL  
TESTED BY C.B.S. ALSO PRESENT { View }  
Pg 1 of 2



Approved Septic System Plan  
Howard County Health Department

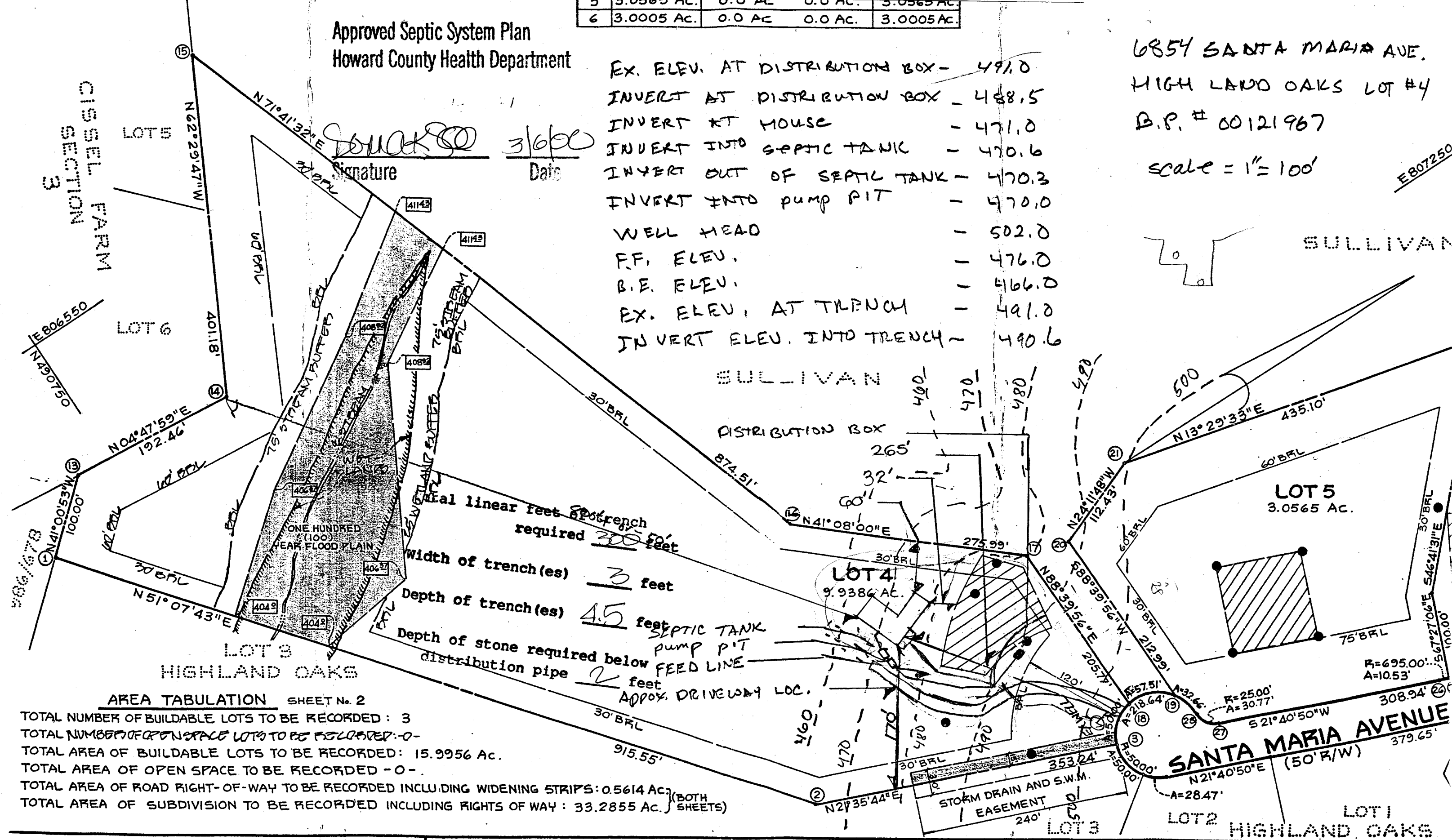
5	3.0565 AC.	0.0 AC.	0.0 AC.	3.0565 AC.
6	3.0005 AC.	0.0 AC.	0.0 AC.	3.0005 AC.

6854 SANTA MARIA AVE.  
HIGH LAND OAKS LOT #4  
B.P. # 00121967

Scale = 1" = 100'

EX. ELEV. AT DISTRIBUTION BOX - 491.0  
INVERT AT DISTRIBUTION BOX - 488.5  
INVERT AT HOUSE - 471.0  
INVERT INTO SEPTIC TANK - 470.6  
INVERT OUT OF SEPTIC TANK - 470.3  
INVERT INTO PUMP PIT - 470.0  
WELL HEAD - 502.0  
F.F. ELEV. - 476.0  
B.E. ELEV. - 466.0  
EX. ELEV. AT TRENCH - 491.0  
INVERT ELEV. INTO TRENCH - 490.6

Signature [Signature] Date 3/6/90



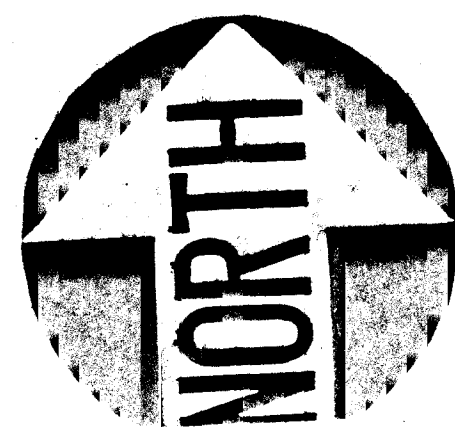
AREA TABULATION SHEET No. 2

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED:	3
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED:	0
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED:	15.9956 AC.
TOTAL AREA OF OPEN SPACE TO BE RECORDED:	0
TOTAL AREA OF ROAD RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS:	0.5614 AC.
TOTAL AREA OF SUBDIVISION TO BE RECORDED INCLUDING RIGHTS OF WAY:	33.2855 AC. (BOTH SHEETS)

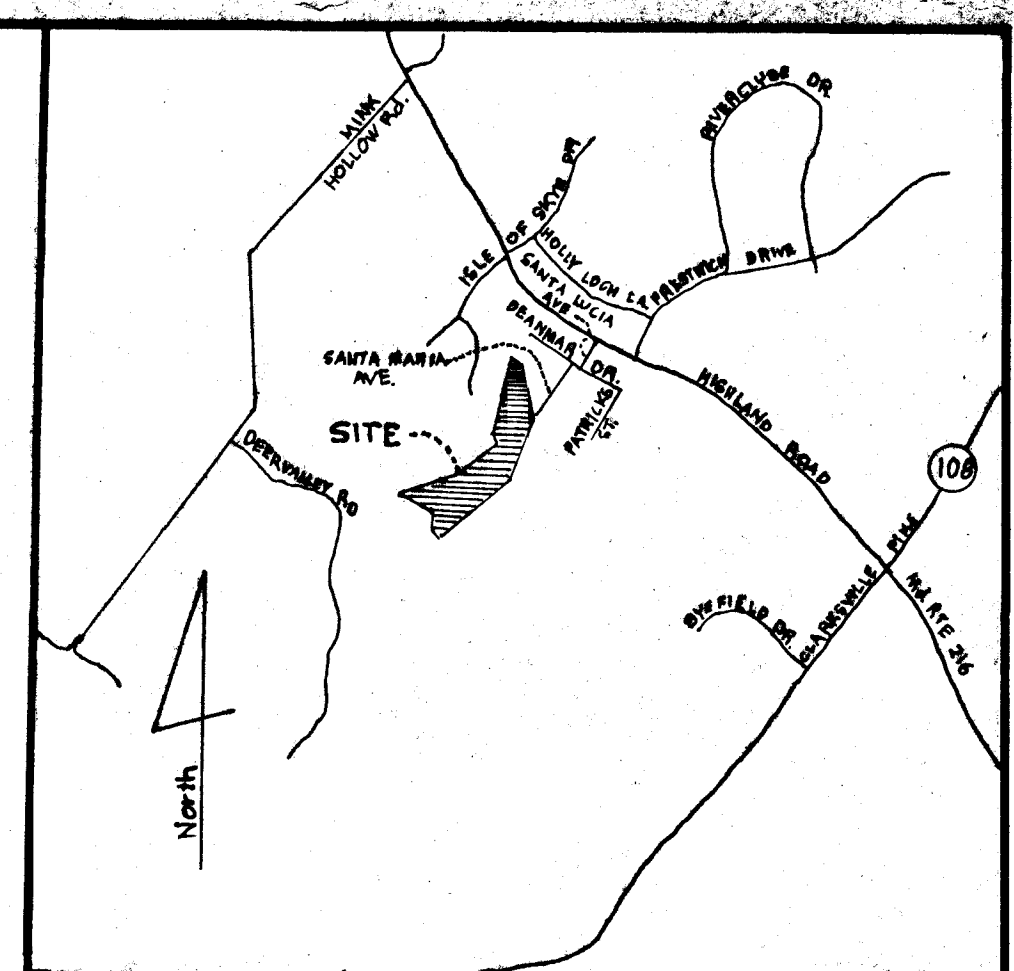
APPROVED: FOR HOWARD COUNTY, HEALTH,  
DEPARTMENT FOR PRIVATE WATER AND PRIVATE  
SEWAGE SYSTEMS.  
[Signature] 2/18/90  
HOWARD COUNTY HEALTH OFFICER C.B.D. DATE

OWNERS CERTIFICATE  
WE EDWARD B. HARRY JR., JOHN B. HARRY II, ELIZABETH H. SANFORD ET. AL. OWNERS, OF THE  
PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND  
IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAN BY THE DEPARTMENT OF PLANNING AND  
ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD  
COUNTY MARYLAND, ITS SUCCESSORS AND ASSIGNS, THE RIGHT TO LAY, CONSTRUCT & MAINTAIN  
SEWERS, DRAINAGE WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES IN AND UNDER

SURVEYOR'S CERTIFICATE  
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON  
IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LAND  
CONVEYED BY EDWARD B. HARRY AND LAWRENCE W. HARRY TO



SANTA MARIA  
AVE.



VICINITY MAP SCALE: 1" = 200'

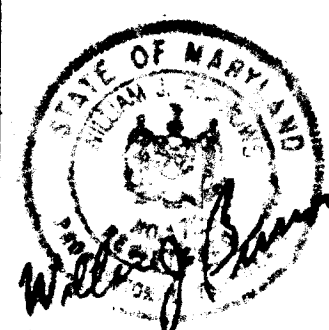
- GENERAL NOTES**
- Total Site Area: 432,925 sq. ft. or 9.9386 acres
  - Existing Site Use: Residential
  - Proposed Site Use: Residential
  - Property Zoned: RRDEO
  - Property located on Howard Co. Tax Map: 40 Grid: 8 Parcel: 36
  - Property located on Howard Co. Street Map: Page 13 Grid: K-12 Page 14 Grid: A-12
  - Property located on P.G. Co. Soils Survey Map: 28
  - Soils Types:
    - 35% : GIB2 = Glenelg loam, 3 to 8% slopes, moderately eroded
    - 25% : MIC2 = Manor loam, 8 to 15% slopes, moderately eroded
    - 15% : GIC2 = Glenelg loam, 8 to 15% slopes, moderately eroded
    - 10% : GIC3 = Glenelg loam, 8 to 15% slopes, severely eroded
    - 10% : GIB2 = Glenelg silt loam, 3 to 8% slopes, moderately eroded
    - 5% : Ba = Balls silt loam
  - Property located on U.S.G.S. Map: Clarksville Quadrangle
  - Electric service provided by: BGE
  - Telephone service provided by: Verizon
  - Seepage disposal: Private System
  - Water supply: Private System
  - Vertical datum: Site plan provided by others
  - Horizontal datum per: Howard County Plat: 8495
  - Topographic Survey performed by: Others
  - Area Statement:
    - Total Site Area = 432,925 sq. ft. or 9.9386 acres
    - Disturbed Area =
    - Undisturbed Area =
    - Existing Lot Coverage =
    - Proposed Lot Coverage =
  - Building Restrictions: (RRDEO)
    - a. Proposed Use: Residential
    - b. Minimum lot width at front building restriction line: 200'
    - c. Minimum building setback at front property line: 75'
    - d. Minimum building setback at side property line: 30'
    - e. Minimum building setback at rear of property: 60'
    - f. Maximum height principal structure: hip or gambrel roof 40' all others 34'

LOT 4  
9.9386 AC

THIS SITE PLAN IS FOR GRAPHICAL  
PURPOSES ONLY, AND IS ONLY  
INTENDED TO SHOW THE LOCATION OF  
THE PROPOSED POWER LINE

CONTACT "MISS UTILITY"  
48 HOURS PRIOR TO TRENCHING  
1-800-257-7777

The location of all utilities shown hereon is from field investigation and  
available records and cannot be guaranteed. Contractor should dig test pits  
by hand at all utility crossings to verify exact location.



**Londesign**

ENGINEERS \* SURVEYORS \* PLANNERS  
2905 MITCHELLVILLE ROAD SUITE NO. 111  
BOWIE, MARYLAND 20716  
(301) 249-8802

OWNER / DEVELOPER

Miskovic William J.  
6118 85<sup>th</sup> Ave.  
New Carrollton, MD. 20784-2869  
301-731-0512

**SITE DEVELOPMENT PLAN**

Tax Map 40 Parcel 36  
**Highland Oaks Lot 4**  
Howard County Plat: 9495  
Fifth Election District  
Howard County, Maryland

DATE: 10-4-01  
DESIGN BY: GN  
CHECKED BY: JF  
PERMIT NO.

SCALE: 1" = 50'  
DRAWN BY: GN  
SHEET NO: 1 of 1  
JOB NO. 00-025



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

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Zepp Plumbing & Heating Inc Telephone #: 410-531-6712  
Address: 12447 Route 108  
Clarksville, MD 21029

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Edgar W. Zepp, III License# 1782

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

Name of Property Owner: Bill Miskovic Telephone #: 301-731-0512  
Subdivision: Highland Oaks Lot #: 4 Well Tag #: HO-88-1399  
Site Address: 6854 Santa Maria Avenue  
Highland, MD 20777

Submersible Pump Data

Make: Goulds  
Model #: 25802412  
Pump Capacity: \_\_\_\_\_ GPM  
Well Yield: 60 GPM

Pitless Adapter

Make: Capbell  
Model#: 16 BX  
Depth: 42" (36" min)  
NSF approved: ✓

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 205 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors of Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt ✓

Piping to house

Type: Poly  
PSI: 160 (160 psi min)  
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓  
Approximate length of sleeve: 4'  
Sleeve caulked and sealed properly: ✓

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

Edgar W. Zepp, III  
Signature of company representative responsible for installation

8/13/02  
date

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

Date Insp. Requested: 4/1/02 Date Insp. Approved: 4/8/02 (SRK)  
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓  
Safety rope installed inside of well casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

<div style="display: flex; justify-content: space-between;"> <div> <b>B 1</b>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">3745</div> <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small> </div> <div> <small>SEQUENCE NO. (DP USE ONLY)</small> </div> </div>	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please print or type	<small>STATE PERMIT NUMBER</small> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> <small>fill in this form completely</small>
<b>OWNER INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div> <b>Date Received (APA)</b>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">060190</div> </div> <div> <b>OWNER INFORMATION</b>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HILLTOP DEVELOPMENT</div> <div style="display: flex; justify-content: space-between;"> <div> <small>15 Last Name</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">PO BOX 208</div> </div> <div> <small>Owner</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">CLARKSVILLE</div> </div> <div> <small>First Name</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">MD21029</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>36 Street or RFD</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">TOWN</div> </div> <div> <small>55</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">70 State 72</div> </div> <div> <small>Zip</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">76</div> </div> </div> </div> </div>	<b>LOCATION OF WELL</b> <div style="display: flex; justify-content: space-between;"> <div> <b>8 COUNTY</b>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HOWARD</div> </div> <div> <small>21</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HIGHLAND OAKS</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>23 SUBDIVISION</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">SECTION 44 46</div> </div> <div> <small>LOT</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">4 48 50</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>52 NEAREST TOWN</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HIGHLAND</div> </div> <div> <small>71</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">MILES FROM TOWN (enter 0 if in town)</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">1</div> </div> <div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">M I</div> </div> </div>	
<b>DRILLER INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div> <small>Driller's Name</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">Joseph L. Wayne</div> </div> <div> <small>77 License No. 80</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">238</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>Firm Name</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">Joseph L. Wayne Well Drilling</div> </div> <div> <small>Address</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">5512 Ridge Rd. Mt. Airy, Md. 21771</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>Signature</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">Joseph L. Wayne</div> </div> <div> <small>Date</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">5/29/90</div> </div> </div>	<b>B 4</b> <div style="display: flex; justify-content: space-between;"> <div> <small>DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</small>  </div> <div> <small>NEAR WHAT ROAD</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">Santa Maria Ave</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</small>  <div style="display: flex; flex-direction: column; align-items: center;"> <div>NORTH</div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">W</div> <div>WEST</div> </div> </div> <div> <small>34 25 37</small>  <small>DISTANCE FROM ROAD</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">25</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>ENTER FT OR MI</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">FT</div> </div> <div> <small>38 39</small> </div> </div>	
<b>WELL INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div> <small>APPROX. PUMPING RATE (GAL. PER MIN.)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">5</div> </div> <div> <small>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">500</div> </div> </div>	<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <div style="display: flex; flex-direction: column;"> <div> <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)         </div> <div> <input type="checkbox"/> FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)         </div> <div> <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)         </div> <div> <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)         </div> <div> <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)         </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div> <small>APPROXIMATE DEPTH OF WELL</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">280</div> </div> <div> <small>FEET</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">24 28</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>APPROXIMATE DIAMETER OF WELL</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">6</div> </div> <div> <small>NEAREST INCH</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">6</div> </div> </div>	<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b> <div style="display: flex; justify-content: space-between;"> <div> <small>COUNTY NAME</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HOWARD</div> </div> <div> <small>COUNTY NO.</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">A# 43927</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>STATE SIGNATURE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">Charles Bryan Theah</div> </div> <div> <small>DATE ISSUED</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">060890</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>43</small>  <small>NORTH GRID</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">492000</div> </div> <div> <small>48</small>  <small>CO SIGNATURE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">EXP. DATE</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>50</small>  <small>EAST GRID</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">0808000</div> </div> <div> <small>55</small>  <small>EXP. DATE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">12/90</div> </div> </div>	
<b>METHOD OF DRILLING (circle one)</b> <div style="display: flex; justify-content: space-between;"> <div> <small>BORED (or Augered)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">JETTET</div> </div> <div> <small>Jettet &amp; DRIVEN</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">AIR-ROTARY</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>37</small>  <small>AIR-ROTARY</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">CABLE</div> </div> <div> <small>ROTARY (Hydraulic Rotary)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">REVERSE-ROTARY</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>other</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">DRIVE-POINT</div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div> <small>SHOW MAJOR FEATURES OF BOX &amp; LOCATE WELL WITH AN X</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">SOURCES OF DRILLING WATER</div> </div> <div> <small>WRITE THE BOX NUMBER FROM THE MAP HERE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">808 8</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>57</small>  <small>EXP. DATE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">0808000</div> </div> <div> <small>63</small>  <small>EXP. DATE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">0808000</div> </div> </div>	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <div style="display: flex; flex-direction: column;"> <div> <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL         </div> <div> <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED         </div> <div> <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY         </div> <div> <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL         </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">41</div> </div> <div> <small>52</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">52</div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div> <small>7/12/90 AM</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">11 Bags</div> </div> <div> <small>60' cany</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">45' open</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>2' above ground</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">C.B.C.</div> </div> <div> <small>(Tap on side)</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">(Tap on side)</div> </div> </div>	
<b>Not to be filled in by driller (OEP USE ONLY)</b> <div style="display: flex; justify-content: space-between;"> <div> <small>APPROX. PERMIT NUMBER</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">GAP</div> </div> <div> <small>63</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">63</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <small>FORCE</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">C</div> </div> <div> <small>WRITE INITIALS IN BOX</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div> <small>67</small>  <small>PERMIT No.</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> </div> <div> <small>79</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> </div> </div>	
<b>SPECIAL CONDITIONS</b>	<div style="display: flex; justify-content: space-between;"> <div> <small>67</small>  <small>PERMIT No.</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> </div> <div> <small>79</small>  <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">H0-88-1399</div> </div> </div>	

C1 1495 SEQUENCE NO. (DENV USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.

COUNTY  
NUMBER A# 43927

ST/CO USE ONLY  
DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

8 13

15 20

22 26  
(TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37  
H0-88-1399

OWNER HILLTOP DEVELOPMENT  
STREET OR RFD last name SANTA MARIA AVE first name TOWN HIGHLAND  
SUBDIVISION HIGHLAND OAKS SECTION 1 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

SANDSTONE 0 54  
CRAY MITH Rock 54 205

GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 11 NO. OF POUNDS 1034

GALLONS OF WATER 666

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 45 ft.  
(enter 0 if from surface)

CASING RECORD

casing  
types  
insert  
appropriate  
code  
below

ST CO  
STEEL CONCRETE  
PL OT  
PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

5 6 60

OTHER CASING (if used)

diameter depth (feet)  
inch from to

EACH CASING

screen type or open hole

SCREEN RECORD

insert appropriate code below

ST BR HO  
STEEL BRASS OPEN HOLE  
PL BRONZE  
PLASTIC OTHER

C2

DEPTH (nearest ft.)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

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

70 72 74 75 76

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q  
70 72 74 75 76  
TELESCOPE LOG OTHER DATA  
CASING INDICATOR

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min. to nearest gal.)

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 24

WHEN PUMPING 107

TYPE OF PUMP USED (for test)

A air P piston T turbine  
C centrifugal R rotary O other (describe below)  
J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

(CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION

MUST BE COMPLETED FOR ALL WELLS

EXCEPT HOME USE

TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O)

IN BOX - SEE ABOVE

CAPACITY:

GALLONS PER MINUTE

(to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above

below

LAND SURFACE

(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)

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 IDENT. NO. 238

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY