

10/14/97  
10:00  
10/16/97  
C.O. + WPI  
10:00

04-349032

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58966

A 41026

DISTRICT 4th

DATE 9-9-97

DATE SYSTEM APPROVED 10/16/97

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~

410-313-2640

INDEXED

New Dimensions Plumbing and Excavating

IS PERMITTED TO INSTALL  ALTER

ADDRESS 3018 Bachman Road Westminster, Md 21102 PHONE 410-239-4359

SUBDIVISION Boka Valley Estates LOT 6 ROAD 1810 Boka Valley Court

PROPERTY OWNER Richard Nunn 720-0900

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

\*\*\*CALL FOR INSPECTION AT TIME INSTALLATION IS STARTED.\*\*\*

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES TO BE INSTALLED PRIOR TO SEPTIC TANK PLACEMENT.

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 195 feet off the 429.94' lot line and 160 feet off the 240.36' lot line. Run the trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

OK KM 7-21-97

PLANS APPROVED BY Glen Savage REVISED \_\_\_\_\_ DATE 07/16/97

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

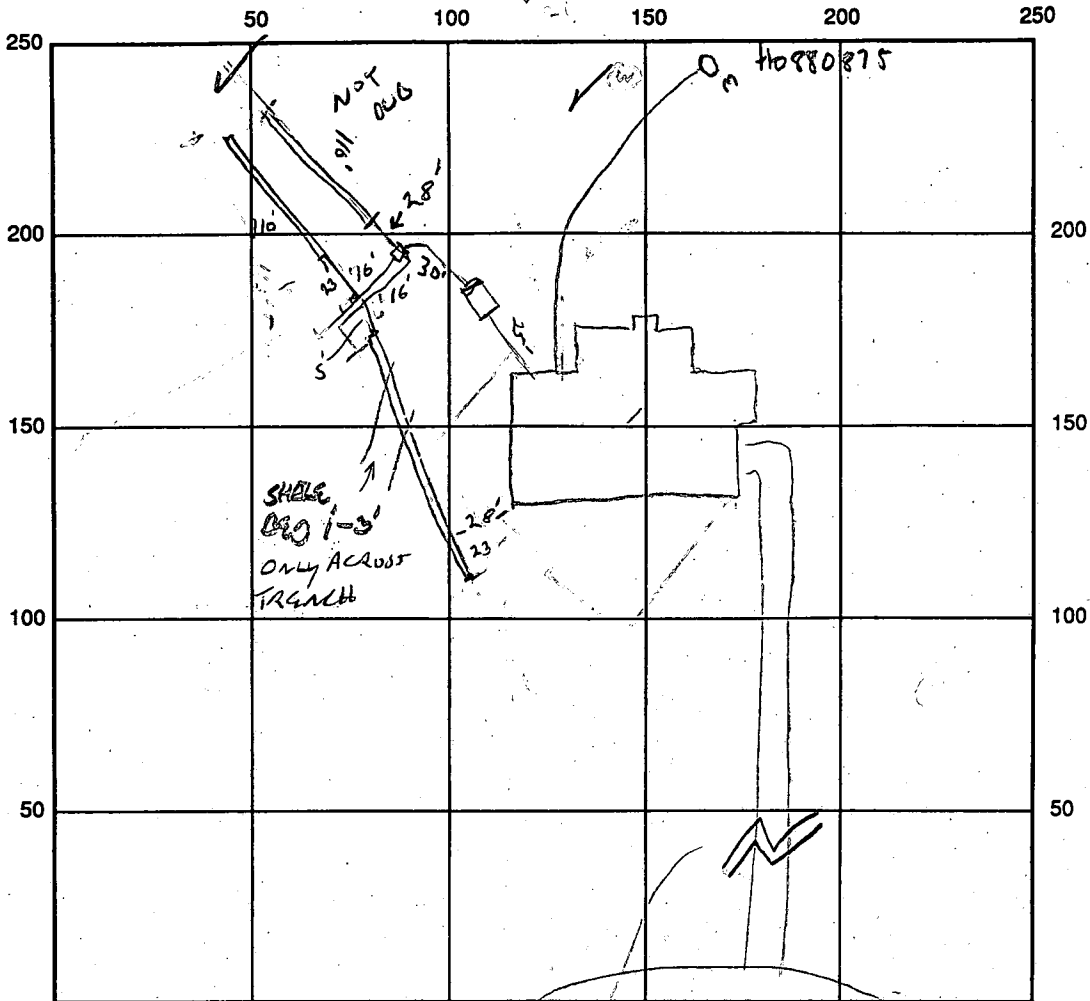
BLDG. PERMITS SIGNED

AND RETURNED 6-8-98

Serial # 20111964

per septic tank  
(570 gal-1)

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



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE BOKA VALLEY CT

SEPTIC TANK LEVEL OK CLEANOUTS 1 on TANK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 45-51.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 3x110=330 FT.

NUMBER OF TRENCHES 3 ONE-SIDEWALL/BOTTOM AREA 990 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 9/10/97 Instructed installer to install 2 110' trenches & 1, 100' trench ALL

10/14/97 SYSTEM CAPUT, INSERT AT MARK 27" BELOW GRADE, MUSE SYSTEM 1 TRENCH UP HILL

TEST HOLE DUG 20" ABOVE CENTER OF SOA HIGH SIDE; NOT WORKABLE, 2ND TEST HOLE OK

RAISE SYSTEM 10/16/97 OK TO COVER TO DIST BOX, 2 TRENCHES PARTIALLY

COMPLETE - NO PIPE - OK TO CONTINUE 10/16/97 SYSTEM FINISHED OK TO COVER

UP OK TO COVER. NOTE: LOWER TRENCHES ARE AT HIGH PORTION OF SOA.

DATE SYSTEM APPROVED 10/16/97 INSPECTOR [Signature]

WELL LINE INSTALLED BY SEPTIC CONTRACTOR

# APPLICATION

PERCOLATION TESTING

A 41026

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 2-24-88

*Sypton First*

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 ROBERT + KAREN RYNARZEWSKI Richard Nunn

ADDRESS 1227 CARTLEY COURT PHONE 442-1377

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

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

PROPERTY LOCATION:

NEW 6 (Seal off)

SUBDIVISION ROKA VALLEY ESTATES PARCEL 1 LOT NO. 2

ROAD AND DESCRIPTION 1800 BLOCK, EAST SIDE DAISY RD., APPROX - 7 MILE SOUTH RT. 144.

TAX MAP 8 PARCEL # 43

**BLDG. PERMIT SIGNED**

**AND RETURNED 2-16-87**

*Serial # B10106829*

SIZE OF LOT 3.80 ACRES TYPE BLDG SINGLE FAMILY - 4 BR  
(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.

*Karen L. Rynarzewski*  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 3/17/88 PERC OK HOLD FOR PLAT

HD-216

# THIS IS NOT A PERMIT

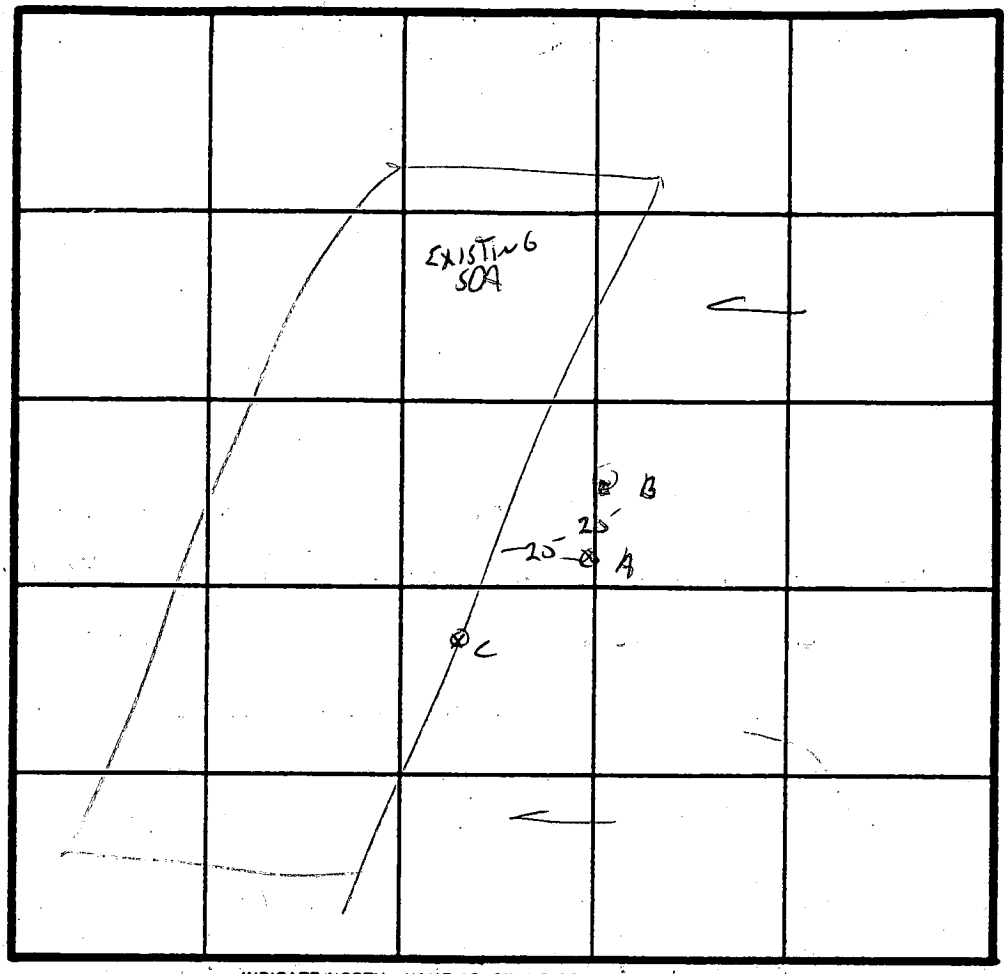
SOIL PROFILE A

0' BROWN CLAY

2' ORANGE / YELLOW SILT

3.5' 3'-6' VIEW OF 75% UNCONSOLIDATED SHALE AT 45° ANGLE OIDS INTO LOW SIDE OF HOLE 4' BELOW SHALE IS 30-40% ROCK

14' HARD NO EVIDENCE H<sub>2</sub>O



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/14/97	A	14'	DIAGONAL	ROCK VIEW			F
	B	8.5'	SANDY	LOAM NO ROCK			ok
	C	6'	ok	NO ROCK			

REMARKS SHELLS LOW PERC AT 2'

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 41026

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 2-24-88

TO: THE COUNTY HEALTH OFFICER  
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PROPERTY OWNER ROBERT + KAREN RYNARZEWSKI

ADDRESS 1227 CARTLEY COURT PHONE 442-1377

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

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

PROPERTY LOCATION:

SUBDIVISION BOKA VALLEY ESTATES PARCEL 1. LOT NO. NEW 6  
2

ROAD AND DESCRIPTION 1800 BLOCK, EAST SIDE DAISY RD. APPROX 1.7 MILE  
SOUTH RT. 144

TAX MAP 8 PARCEL # 43

SIZE OF LOT 3.80 ACRES TYPE BLDG SINGLE FAMILY  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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Karen D. Rynarzewski  
(SIGNATURE OF APPLICANT)

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

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

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

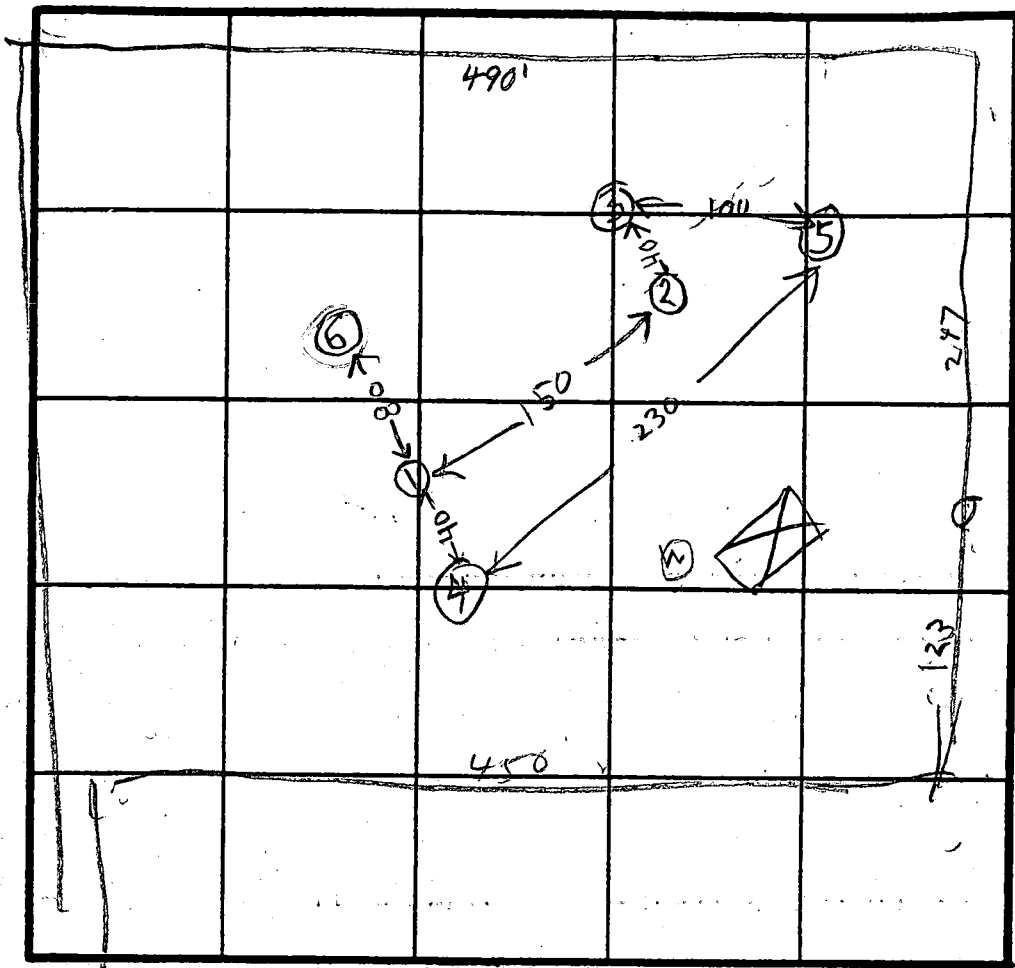
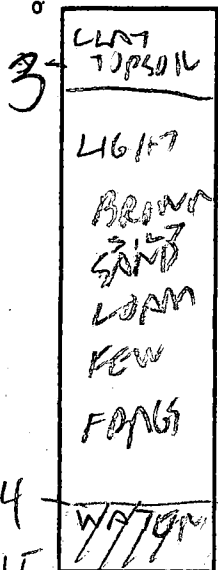
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

HD-216

# THIS IS NOT A PERMIT

Parcel 1  
Lot 2

SOIL PROFILE

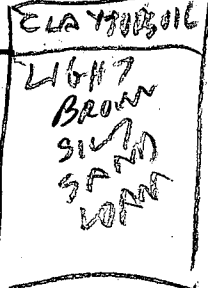


area possibly on canal  
X PERC  
18 MIN  
INV. 3.5'  
BOTTOM 7.5'

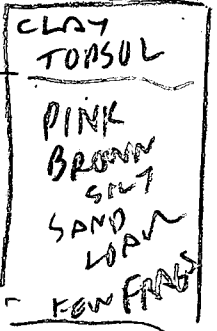
- HOLE ELEVATION
- ⑤ HIGHEST
  - ④ NEXT HIGH
  - ⑥ LOWEST
  - ③ LOW
  - ① ② MEDIUM

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

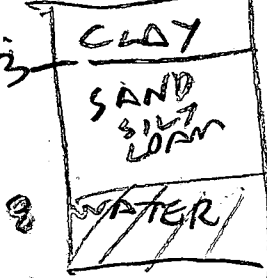
CLAY TOPSOIL



⑤



⑥



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/17/88	1S	4	1130	1135	1135	1151	19
	1D	9.5	1130	1135	1135	1145	10
	1V	15	OK				
	2S	4	1145	1208	1203	1226	23
	2V	14	OK				
	3S	3.5	1148	1203	1203	1226	23
	3V	14.5	OK				
	4S	4	1201	1204	1204	1219	15
	4V	14.5	OK				
	5S	4	1218	1230	1230	1248	18
	5D	9.5	1205	1223	1223	1140	17
	5V	12.5	OK				
	6V	10	WATER @ FT				

REMARKS: Hole ⑥ ③ ② ① per survey stake Holes ④ ⑤ different system first!  
 TYPE OF SOIL: WAYNE  
 TESTED BY: R HODGES  
 ALSO PRESENT: J W RIVARZE WSK1

C1 1012

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A41026

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-88-0575

OWNER Vision Builders last name B. H. VALLEY first name TOWN CISHAW SUBDIVISION Bona Valley SECTION LOT 6

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows: Overburden (0-15), Brown Shale (15-58), Blue Slate (58-300) X

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 12 NO. OF POUNDS 1200

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 60

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN HOLE PL OT PLASTIC OTHER

DEPTH (nearest ft.) HO 60 300 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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.

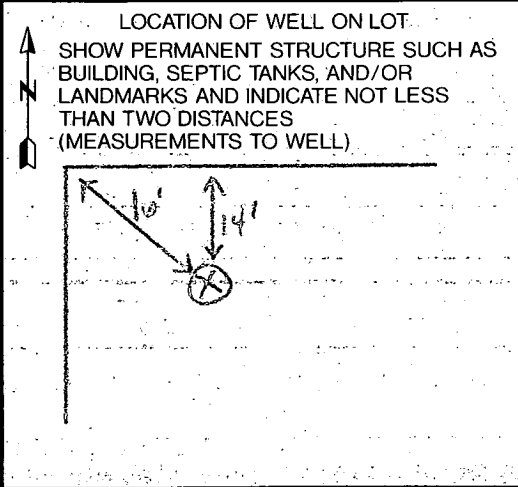
DRILLERS IDENT. NO. 399 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

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

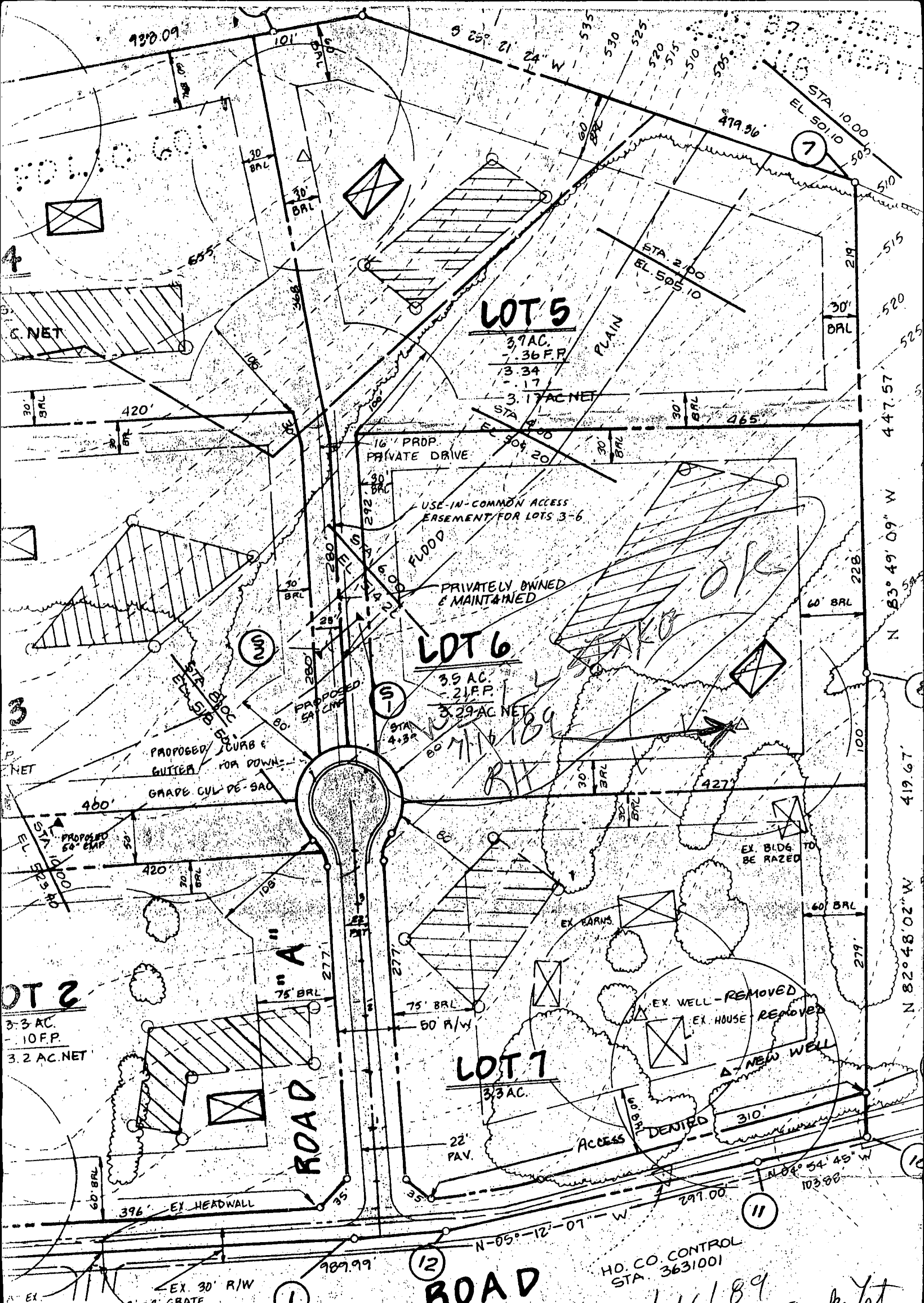
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 5 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 41 WHEN PUMPING 235 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (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) LAND SURFACE (nearest foot)



COUNTY



NOTE: WAIVER HAS BEEN GRANTED FOR WIDENING OF DAISY ROAD DATED JULY 28, 1988.

HO. CO. CONTROL STA. 3631001

6/16/89  
 Nowell Stakelet  
 P.H.

**PLAN VIEW**

SCALE: 1" = 100'

WIDENING STRIP TO BE DEDICATED TO HO. FOR THE ROAD WIDENING.

B 1 5687 SEQUENCE NO. (DP USE ONLY) (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

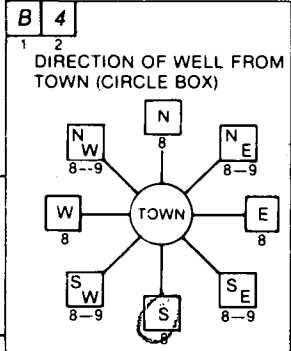
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 40-88-0875 fill in this form completely

OWNER INFORMATION Date Received (APA) 052489 VISION BUILDERS INC 9110 RFD BRANCH RD. COLUMBIA MD 21045

LOCATION OF WELL HOWARD COUNTY ROCKHILL TWP SECTION 6 LOT LISBON MILES FROM TOWN 1 1/2 MI

DRILLER INFORMATION Joseph L. Mayne 238 Joseph L. Mayne Well Drilling 5512 Ridge Rd. Int. Hwy 2177 Joseph L. Mayne 5/22/89



ROAD A NEAR WHAT ROAD ON WHICH SIDE OF ROAD 325 FT DISTANCE FROM ROAD ENTER FT or MI FT

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A41026 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 07/11/89 Raymond Hodger 01/11/90 NORTH GRID 541000 EAST GRID 0782000

APPROXIMATE DEPTH OF WELL 200 FEET

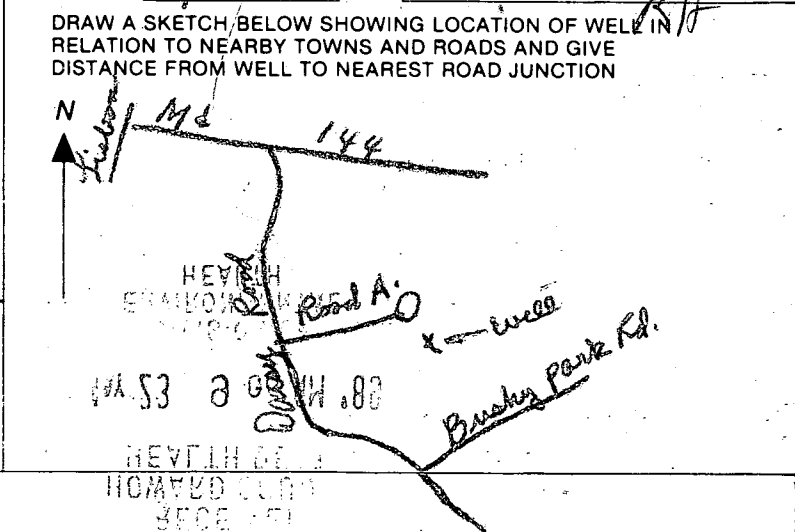
APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary Drive-POINT

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. WELL 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE

11/22/89 10:00 WELL OK IN BAGS 53 FT OPEN HOLE 60 FT CASING NOT PRESENT FOR-GROUT (1050) GOT INFO FROM X GROUTER

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE RH PERMIT No. 40-88-0875

SPECIAL CONDITIONS

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

~~481-9953~~ 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date 9/10/97

Name of Installer CLARENCE BLAKE

Telephone 410 239-4359

License Number 15443  
Certified Well Pump Installer \_\_\_\_\_

Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner RICHARD NUNN

Telephone 410 720 0900

Subdivision BOKA VALLEY Lot # 6

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

Site Address 1810 BOKA VALLEY CT.

Pump

- Type
  - Deep well jet \_\_\_\_\_
  - Shallow well jet \_\_\_\_\_
  - Submersible
- Make JACUZZI
- Model # \_\_\_\_\_

Motor

- Horsepower 3/4
- RPM \_\_\_\_\_
- Voltage \_\_\_\_\_
  - 110 \_\_\_\_\_
  - 220

Pitless Adapter

- Make CAMBELL
- Model # CAMBELL
- Depth 4'

4. Capacity 5 GPM 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 \_\_\_\_\_ Cable guards \_\_\_\_\_ Other \_\_\_\_\_

Tank

- Capacity PMD 36
- Pressure relief valve? 1/2"

Piping

- Type POLY
- Size 1"
- NSF and/or BOCA Code approved \_\_\_\_\_
- Depth of supply line 42"

Well data

- Depth 300 ft.
- Yield 5 GPM
- Static water level 41 ft.
- Will water supply be disinfected by installer? YES

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.

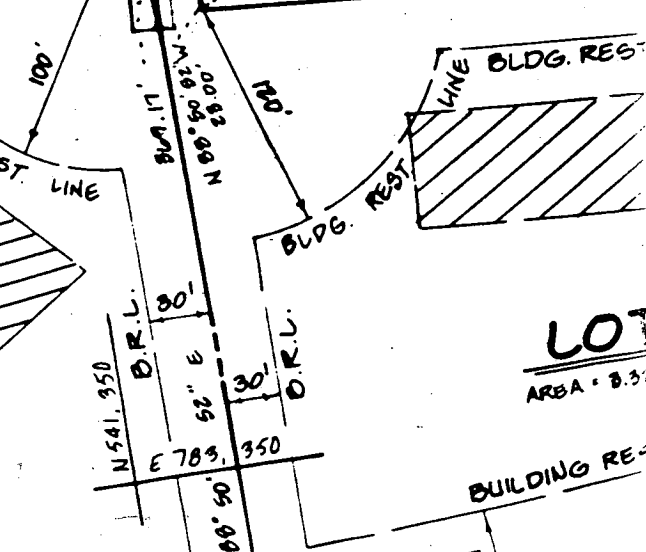
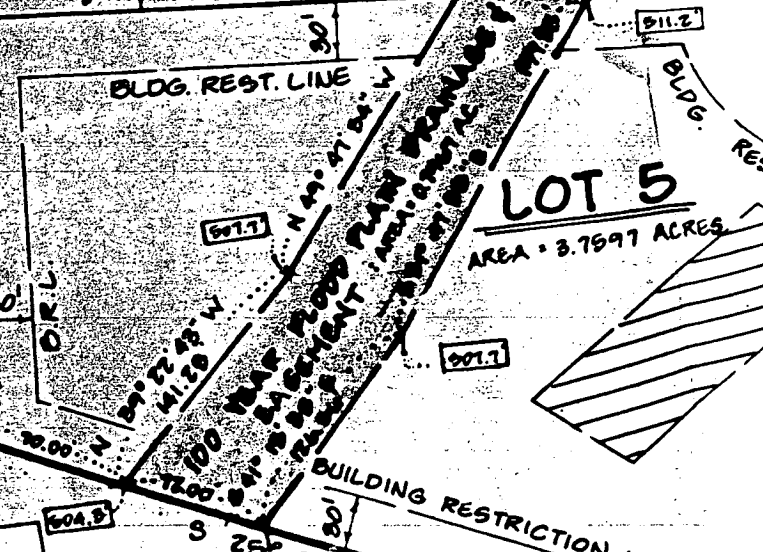
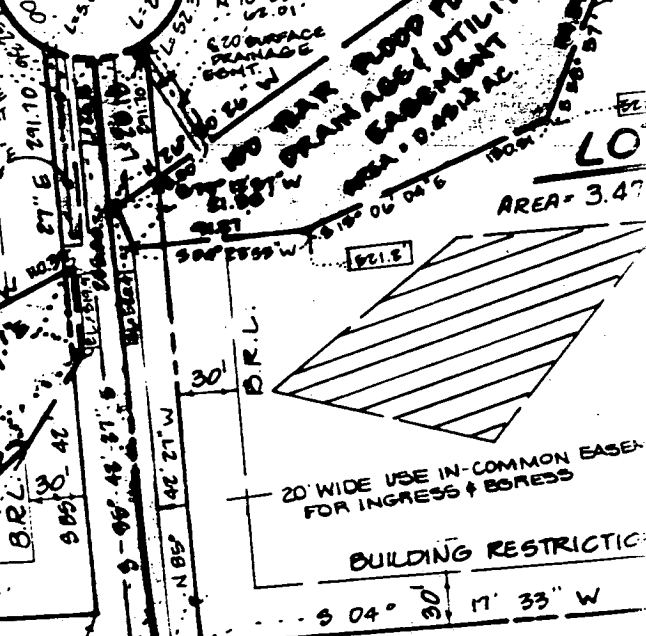
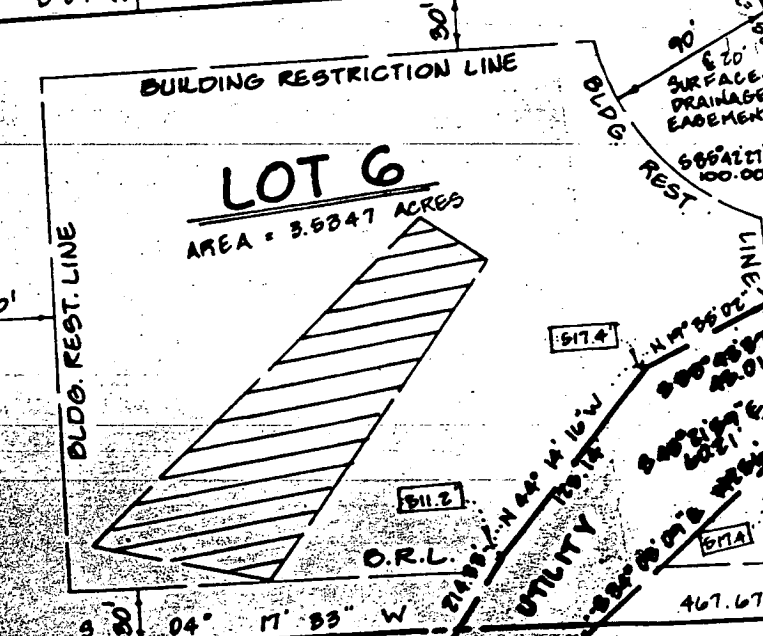
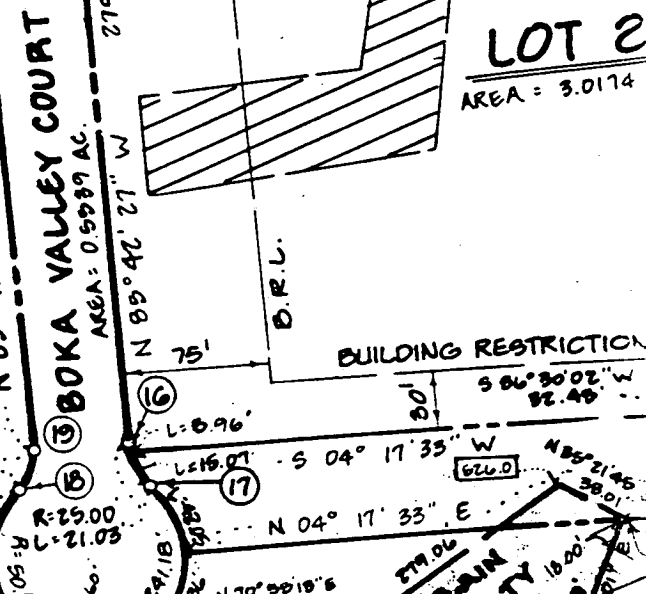
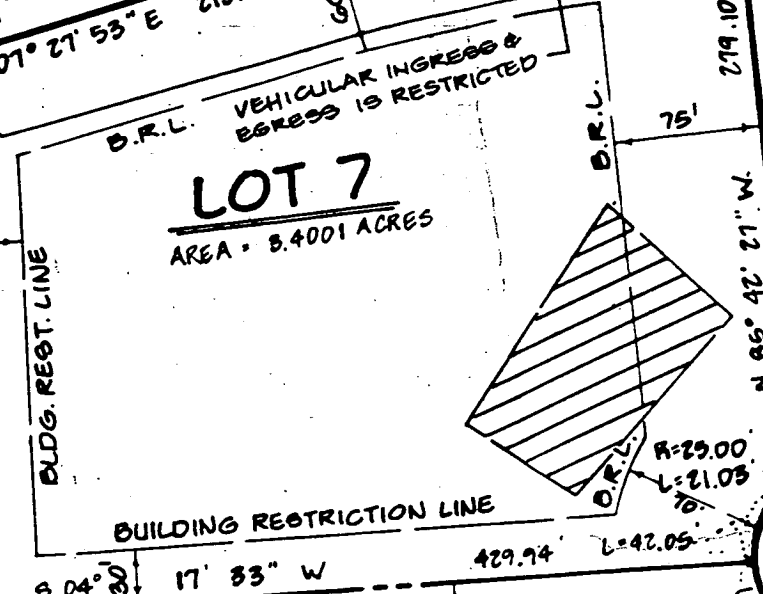
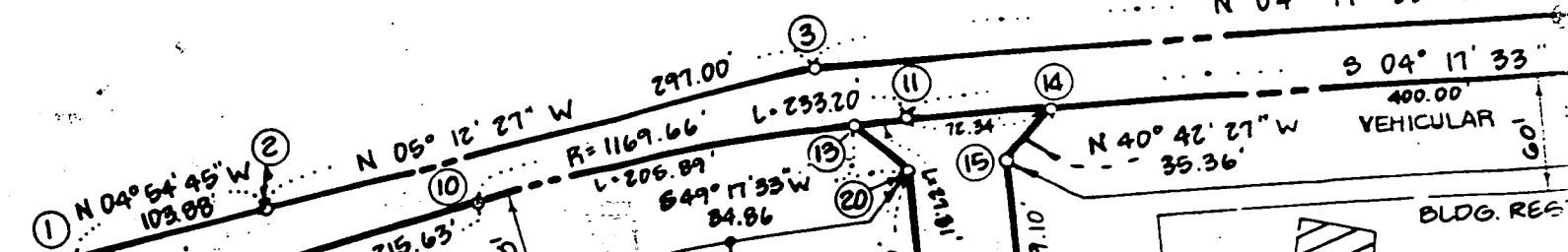
Signature of Applicant: C. n. Blake

Date: 9/10/97

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



N 04° 17' 33" E

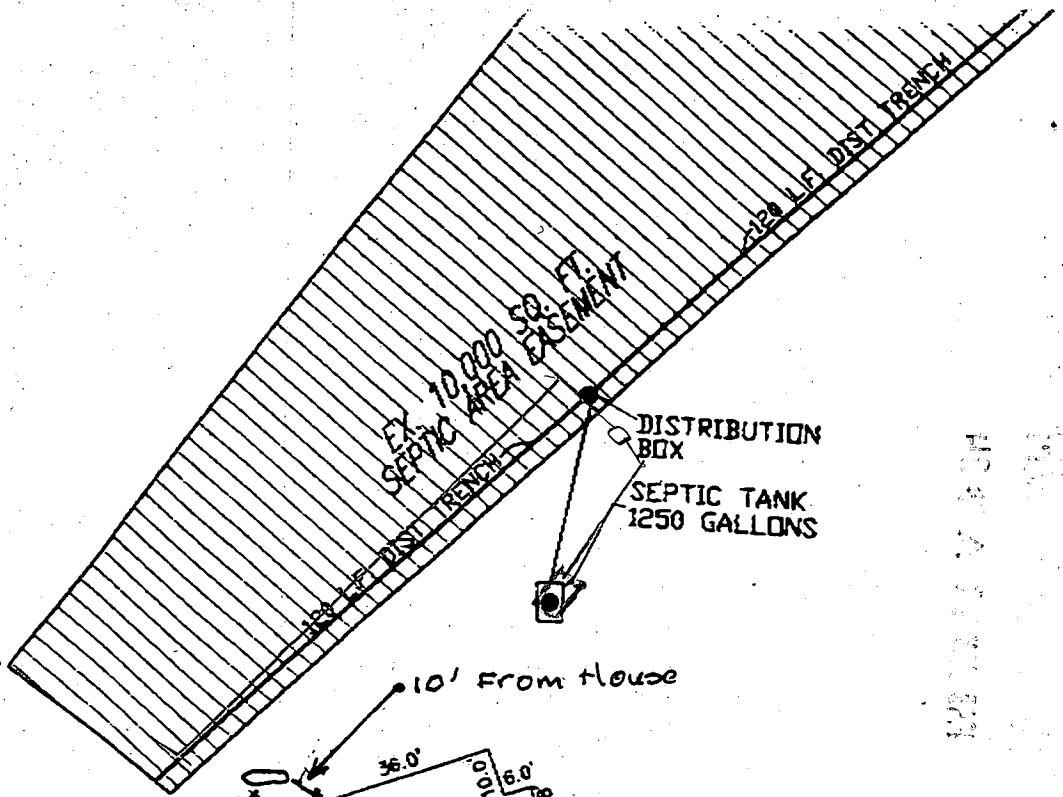


ON  
 MINIMUM  
 ROAD  
 IN  
 HOWARD  
 LAND  
 NEWAY IS  
 DE MAIN  
 WITH  
 MAIN  
 ACCESS  
 FOR  
 TRUCKS  
 TRUCKS  
 WILL  
 SIZE  
 MINIMUM  
 GENTLY

004.3  
 3 25  
 21

N5°42'27"E

180 YR FLOOD PLAIN 2%  
& UTILITY EASEMENT



3.535 Ac. +/-  
LOT 6

30' B.R.L.

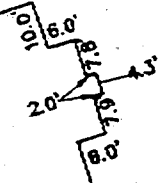
291.70'

240'+/-

500 GALLON  
underground  
propane tank

10' From House

TOP OF WALL ELEV. = 543.0



HOA A. J. ...

Well

30' B.R.L.

N04°17'33"E

1810 BOCA VALLEY CT. LOT 6  
WOODBINE, MD. 21797

429.94'

6/8/98  
 spoke to owner -  
 he accepts / under-  
 stands H.T.D.  
 R-50,000  
 L-52,335  
 90' B.R.L.  
 (enclosed) - OK

6/2/98 11:00  
 spoke to  
 Bill - he  
 will reverse  
 location  
 BLS

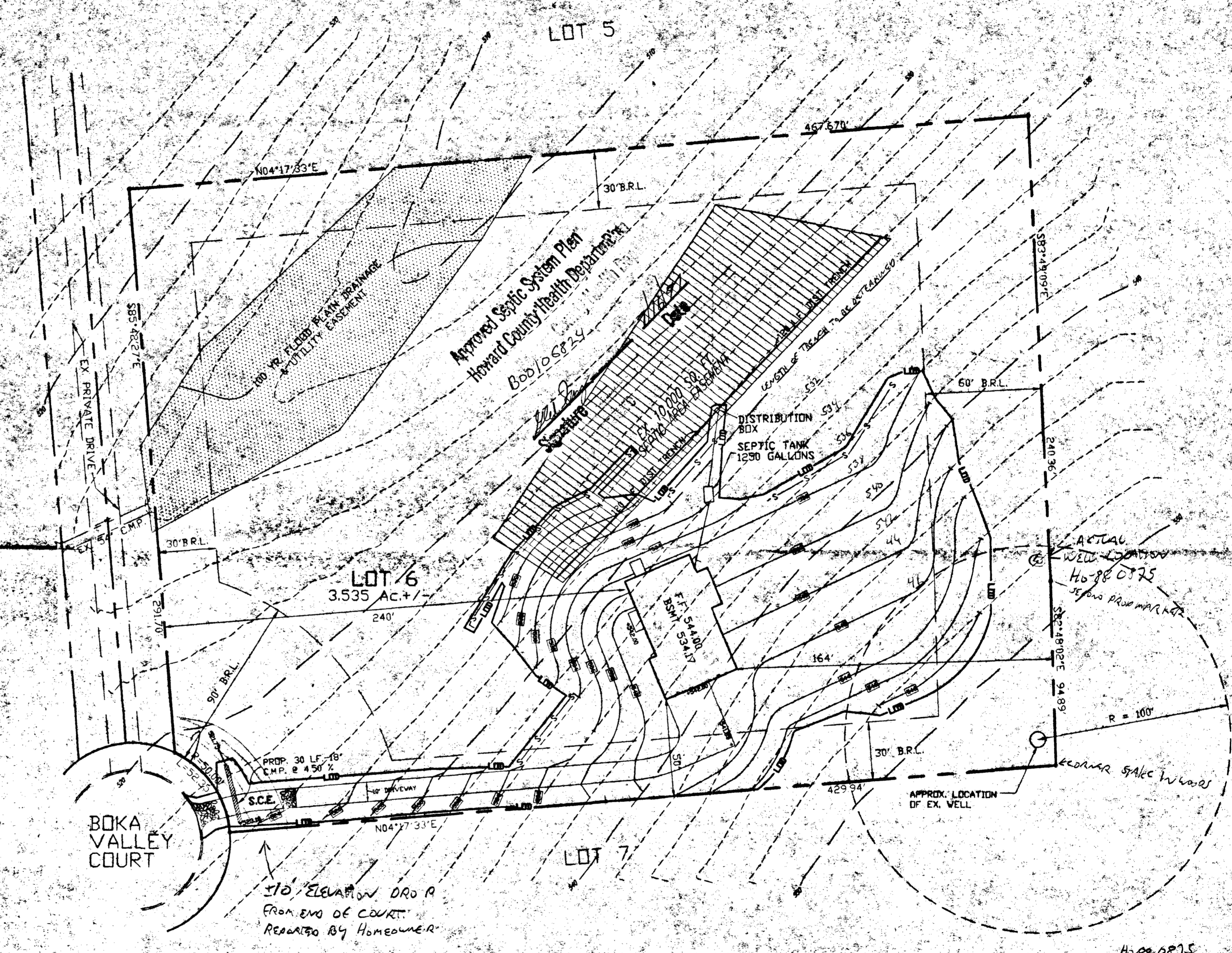
H.T.

GRAI P

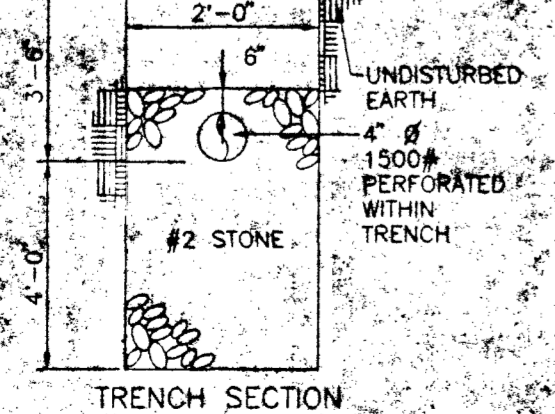
4 BEDROOMS = 240 LF OF TRENCH

BASEMENT ELEV: 534.17  
 FIRST FLOOR ELEV: 544.00  
 INV. OUT OF HOUSE: 530.94  
 INV. INTO SEPTIC TANK: 530.50  
 INV. OUT OF SEPTIC TANK: 530.30  
 INVERT INTO DISTRIBUTION BOX: 524.60  
 INV. INTO TRENCH: 524.50  
 EX GRADE AT SEPTIC TANK: 534.00  
 EX GRADE AT DISTRIBUTION BOX: 528.00  
 EX GRADE AT TRENCH: 528.00  
 ELEV OF GROUND AT WELL: 553.00

INV. AT HOUSE: 27"  
 SHARP GROVES



NOTE  
 \*PERC FIELD & WELL LOCATION ARE FROM HEALTH DEPARTMENT RECORDS.  
 \*TOPOGRAPHY SHOWN HEREON FROM HEALTH DEPT. RECORDS.



LEGEND  
 -478- EXISTING CONTOUR  
 -478- PROPOSED CONTOUR  
 -S- SILT FENCE  
 -L.O.D.- LIMIT OF DISTURBANCE

PREPARED FOR:  
 RICHARD NUNN  
 3806 CHATHAM ROAD  
 ELLICOTT CITY, MARYLAND 21042  
 TELEPHONE: (410) 465-5688



Marks & Vogel Associates, Inc.  
 Engineers-Surveyors-Planners

SCALE 1"=40'  
 DRAWN BY R.A.M.  
 CHECKED BY R.H.V.  
 DATE APRIL, 1997  
 W. O. # 96-80

PLOT PLAN  
 FOR  
 LOT 6  
 BOKA VALLEY ESTATES  
 HOWARD COUNTY, MARYLAND