

2-2-98  
10:00C.O.  
3-12-98  
1001 10:00

04-351010

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58906

A 43250

DISTRICT 4th

DATE 8-7-97

DATE SYSTEM APPROVED 2-3-98

INSPECTOR KM

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**

~~XXXXXXXXXX~~ 410-313-2640

**INDEXED**

Arnold Backhoe & Septic Service IS PERMITTED TO INSTALL X ALTER

ADDRESS P.O. Box 15 Woodbine, Md 21797 PHONE (410) 795-7873

SUBDIVISION Cattail Creek Country Club LOT 12 ROAD 3651 Broadleaf Court

PROPERTY OWNER Trinity Custom Homes, Inc. RICK PUNDZAK

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 135

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 140 feet from the left side (428.85 ft.) of the lot and 90 feet from the right side (396.72 ft) of Lot as seen when facing the lot from the right of way. Run the trenches to right side (396.72 ft.) on contour.

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 7-29-97

PLANS APPROVED BY Raymond Hodges/Mark Rifkin REVISED \_\_\_\_\_ DATE 07/25/97

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

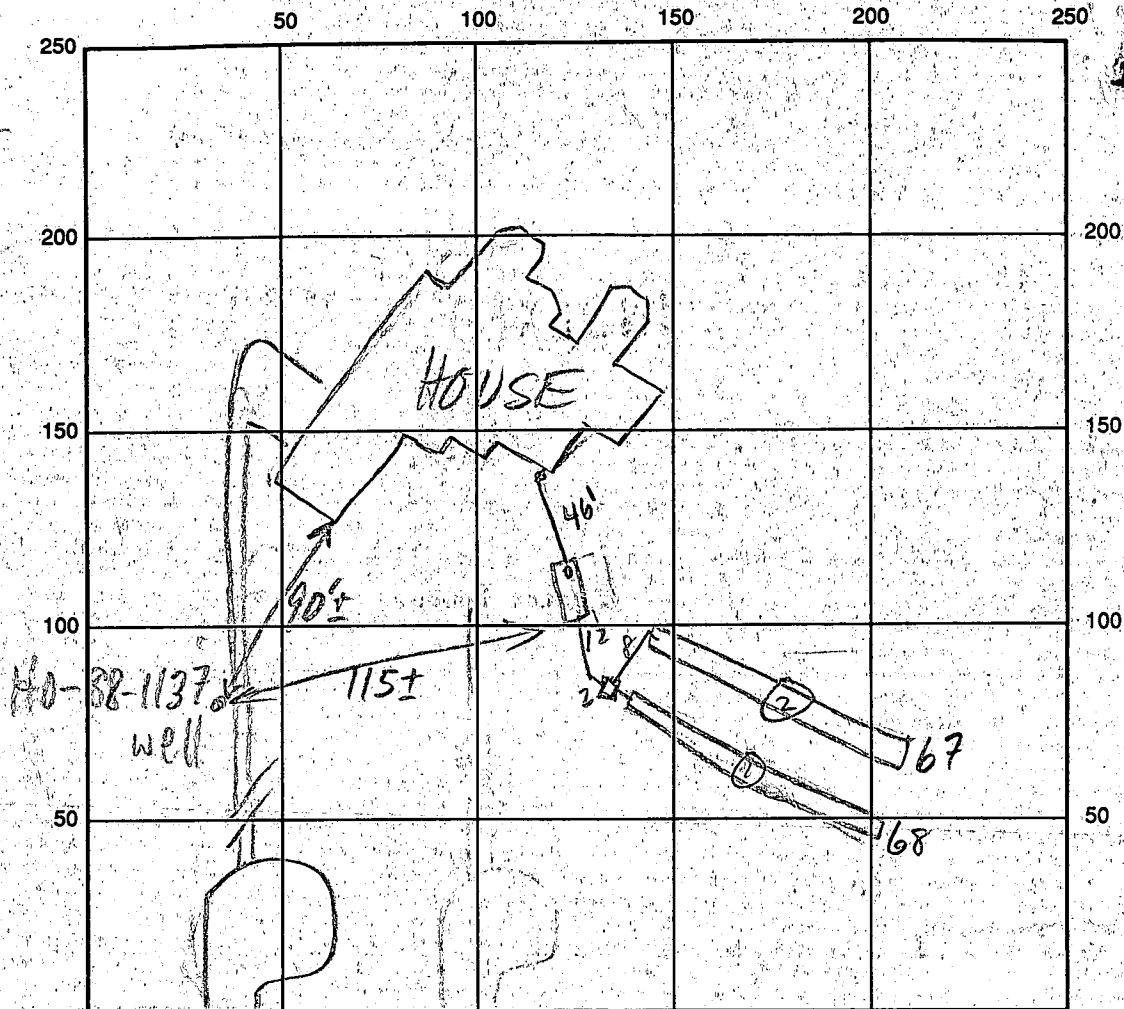
PERMIT VOID AFTER TWO YEARS

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

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

A  
43250



BROADLEAF CT INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 GAL CLEANOUTS 1 on tank, 1 at house  
 DISTRIBUTION BOX LEVEL OK  
 DRAIN FIELD/TITLE DEPTH 8 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4 1/2 FT.  
 EFFECTIVE GRAVEL DEPTH 4 1/4 FT. TOTAL LENGTH 068 @ 67 FT.  
 NUMBER OF TRENCHES 2 ONE-SIDEWALL/BOTTOM AREA 0272 @ 268 SQ. FT.  
 DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.  
 ABSORBENT AREA 540 SQ. FT.

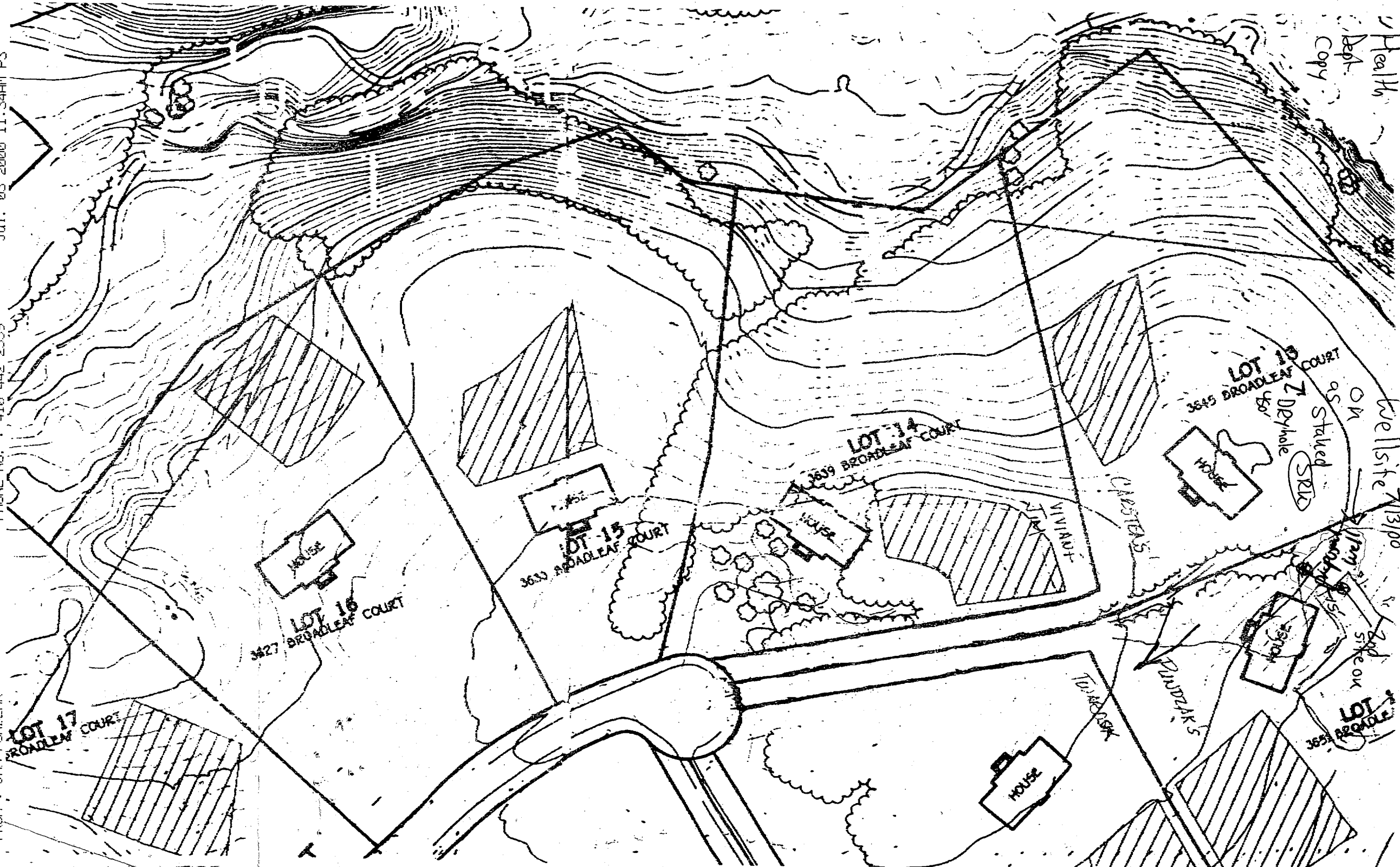
REMARKS: 2/2/98 #1 OK TO STONE TRENCHES MR  
2/2/98 #2 OK TO COVER S.T. TRENCHES; HOLD FOR HOUSE CONN?  
OK TO COVER MIDDLE OF PIPE BETW. HOUSE & S.T. - LEAVE  
OPEN @ HOUSE AND @ S.T. (MR)  
2/3/98 ok to cover all work, has house connection (MR)  
2/13/98 WPI OK to cover all

DATE SYSTEM APPROVED 2/3/98 INSPECTOR Kimberly Maiste

FROM : JAN PUNIZAK

PHONE NO. : 410 442 2559

JUL. 03 2000 11:34AM P3



Health Dept. Copy

ON Staked Well site 13/00

2nd side on

LOT 13 3645 BROADLEAF COURT

LOT 14 3639 BROADLEAF COURT

LOT 15 3633 BROADLEAF COURT

LOT 16 3627 BROADLEAF COURT

LOT 17 3621 BROADLEAF COURT

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

HOUSE

SKID

DEPHALE

ON Staked

Well site 13/00

2nd side on

LOT 13 3645 BROADLEAF COURT

LOT 14 3639 BROADLEAF COURT

LOT 15 3633 BROADLEAF COURT

LOT 16 3627 BROADLEAF COURT

LOT 17 3621 BROADLEAF COURT

ROAD

CRISTINA'S

PUNIZAK'S

VIVANT

ON Staked

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PUNIZAK'S

VIVANT

# APPLICATION

43250 ✓

A 43249

## PERCOLATION TESTING

P \_\_\_\_\_

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

DISTRICT 4

DATE 12/9/88

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 Eggenwood Farm Inc. TRINITY Custom Homes Inc. 10 Land Design & Development

ADDRESS 8307 Main St PHONE 461-4600

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION: Cattail Creek Country Club

SUBDIVISION Clark Spangmore Valley LOT NO. 12 final <sup>New #11</sup>

ROAD AND DESCRIPTION Roxbury + Dorsey Mill  
(3651 Broadleaf Court)

TAX MAP 21 PARCEL # 6

SIZE OF LOT - 3.4 AC. TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMITS SIGNED**  
**AND RETURNED 7-25-97**  
*Serial # 10106843*

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.

*Mal Reri*  
(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

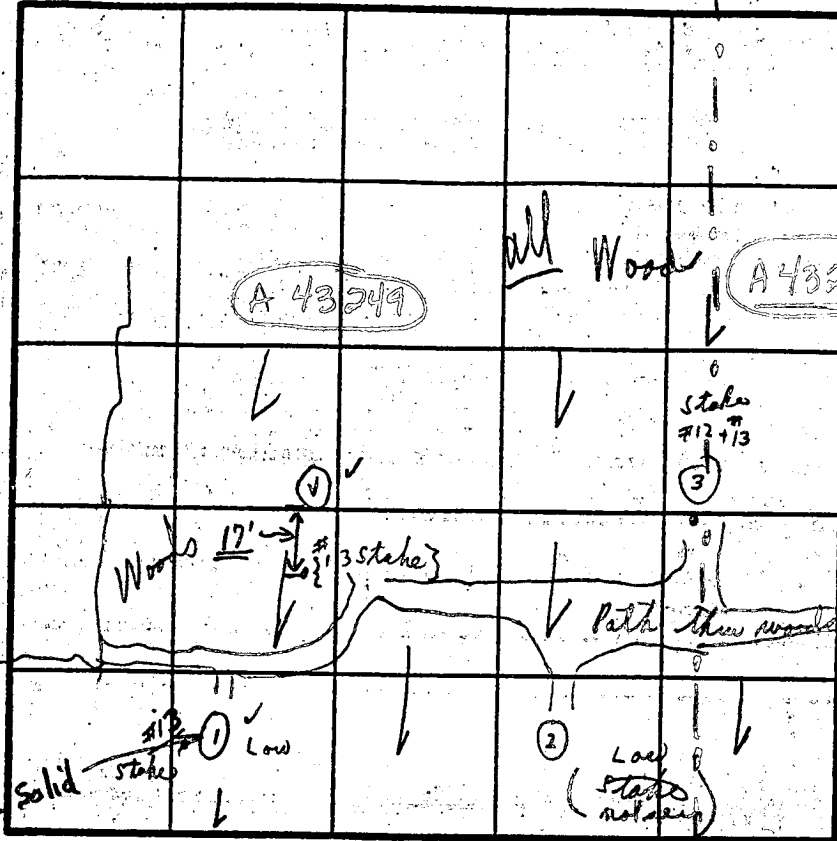
A 43249

New # 11

Lot # 12

#12  
+ #13

SOIL PROFILE



inlet 4'  
average 29 min

on stake

Lowest  
No stake seen

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Poorer  
than

1'-4" clay  
Sandy loam  
4'-12" 2"

Sandy loam  
clay  
bedrock  
Loam

(1'-2 3/4" clay)  
Sandy loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/10/89	①	6'	2:12	2:20	2:20	2:49	29 min
	②	10 1/2'					solid
	③	6'	2:43	2:45	2:45	2:48	3 min
	④	12' 8"					Several light loam
	⑤	4'	2:27	2:29	2:29	2:32	3 min
	⑥	7 1/2'	2:25	2:26	2:26	2:28	2 min
	⑦	1'					
	⑧	1'					
	⑨	6 1/2'	2:37	2:38	2:38	2:41	3 min
	⑩	3 1/2' / 12'					Loam & Visual

Note  
Poured  
own water  
< Note 20%  
small rock  
Some surface  
rock

{ Dry to }  
12"

{ Dry to }  
12 1/2"

REMARKS

TYPE OF SOIL

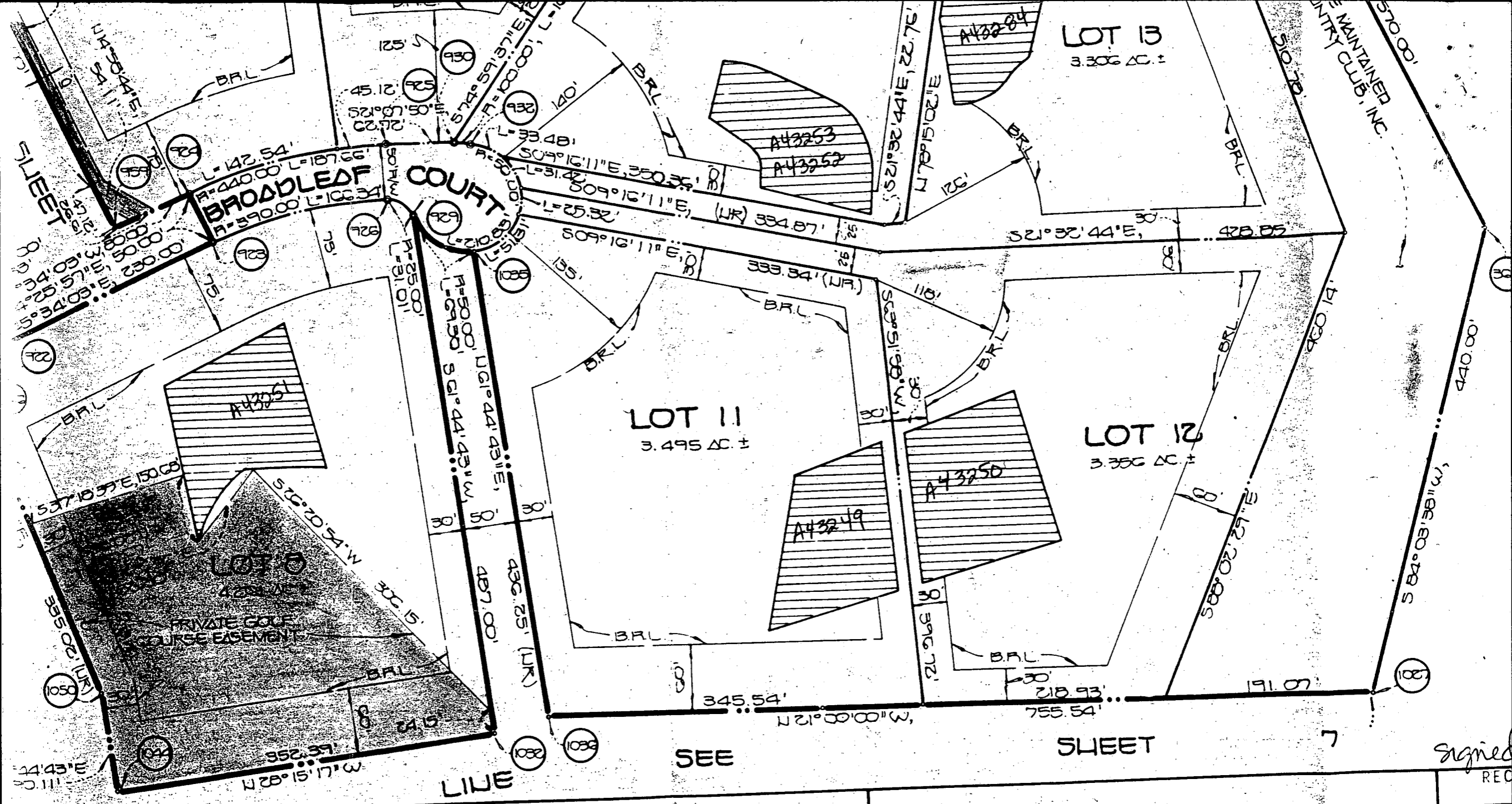
TESTED BY

Tests per stakes; Tests on heavy  
or as noted (Note 2 Backhoes + 5 men all day)

C. B. P.

ALSO PRESENT

Names  
& out of day



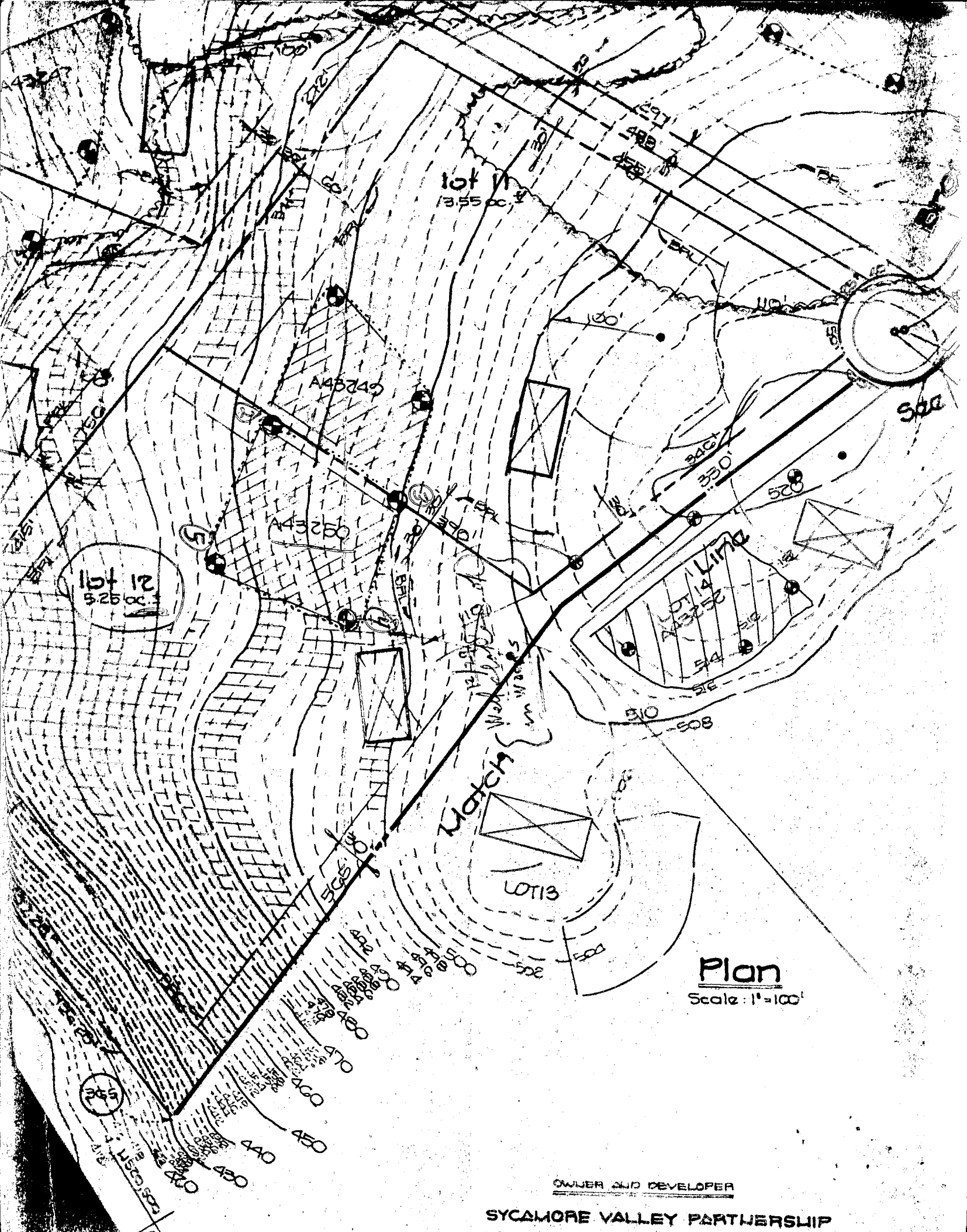
**OWNER'S CERTIFICATE**

WE, EDGEWOOD FARM, INC. BY HAROLD L. CLARK, PRESIDENT, AND SYCAMORE VALLEY PARTNERSHIP BY DONALD R. REUER, JR., MANAGING PARTNER, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION COMPRISED OF: (1) ALL OF THE LANDS CONVEYED BY EDGEWOOD FARM, INC. TO SYCAMORE VALLEY PARTNERSHIP BY DEED DATED JANUARY 2, 1990 AND RECORDED IN THE LAND RECORDS OF

Signed  
REC  
LAN  
CS



**Plan**  
Scale: 1" = 100'

OWNER AND DEVELOPER

SYCAMORE VALLEY PARTNERSHIP

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

NUMBER IS TO BE PUNCHED IN CIRCLES 3-6 ON ALL CARDS)

COUNTY NUMBER A# 43250

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT. TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid

Depth of Well grid

PERMIT NO. grid

OWNER SYCAMORE VALLEY PARTNERSHIP last name first name TOWN GLENELG SUBDIVISION SYCAMORE VALLEY SECTION 1 LOT 12

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

Table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Contains handwritten entries: Top Soil 0-2, Sh. 12 2-85, M. Ka 11-40, Sandstone 40-45, M. Ka 45-90, Sandstone 90-95, M. Ka 15-265.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES [Y] NO [N]

TYPE OF GROUTING MATERIAL CEMENT [CM] BENTONITE CLAY [BC]

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)

Grid for GROUT SEAL: from 48 ft to 58 ft

CASING RECORD

ST CO STEEL CONCRETE PL OT PLASTIC OTHER

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

Grid for MAIN CASING TYPE: 60-61, 63-64, 66-70

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.)

Grid for SCREEN RECORD: 18-9, 11-15, 17-21, 23-24, 26-30, 32-36, 38-39, 41-45, 47-51

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

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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 2

PUMPING RATE (gal. per min. to nearest gal.) 4

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING 17-20

WHEN PUMPING 22-25

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

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)

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)

Diagram showing well location on lot with distances to structures.

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.

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

B 1 **2188** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

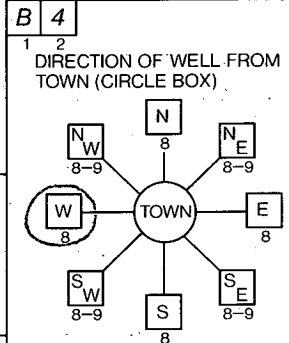
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-88-1137**  
 fill in this form completely

Date Received (ARA) **11 01 89**  
 OWNER INFORMATION  
**ENCAMORE VALLEY PART**  
 15 Last Name 21 Owner 27 First Name 34  
**8307 MAIN STREET**  
 36 Street or RFD 55  
**ELLICOTT CITY MD 211403**  
 57 town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**HOWARD**  
 8 COUNTY 21  
**ENCAMORE VALLEY**  
 23 SUBDIVISION 42  
 SECTION **1** LOT **12**  
 44 46 48 50  
**GLENEIDA**  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **2** MI  
 73 76 77 78

DRILLER INFORMATION  
 Driller's Name **Frank Delph** License No. **453**  
 Firm Name **Frank Delph Well Drillers Inc**  
 Address **18234 Penn Shop Rd Mt Airy, Md**  
 Signature **Frank D. Delph** Date **10/23/89**



**Broadleaf Ct**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 34 **500** 37 DISTANCE FROM ROAD  
 ENTER FT or MI **ft**  
 38 39

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**  
 14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 COUNTY NAME **HOWARD** COUNTY NO. **A# 43250**  
 STATE SIGNATURE \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
 CO SIGNATURE **Charles R. ...** EXP. DATE **5/29/90**  
 NORTH GRID **523000** EAST GRID **0790000**  
 50 55 57 63

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)

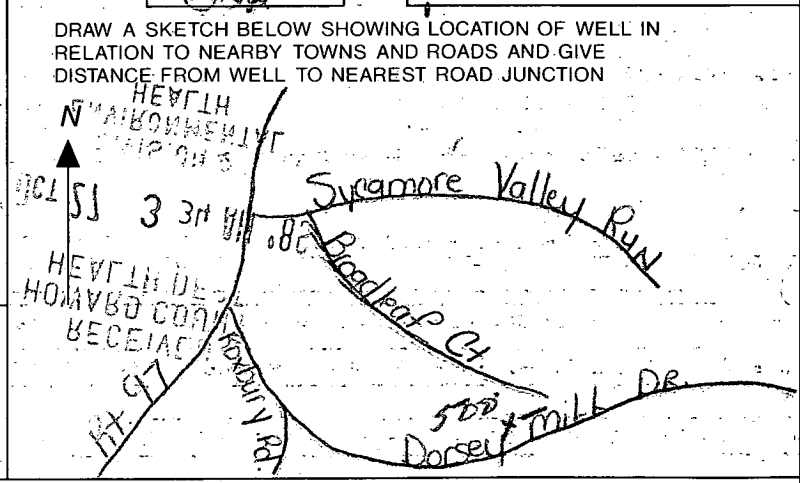
APPROXIMATE DEPTH OF WELL **200** FEET  
 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH  
 NEAREST INCH

METHOD OF DRILLING (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary)  
 CABLE REVerse-ROtary Drive-POINT  
 other \_\_\_\_\_

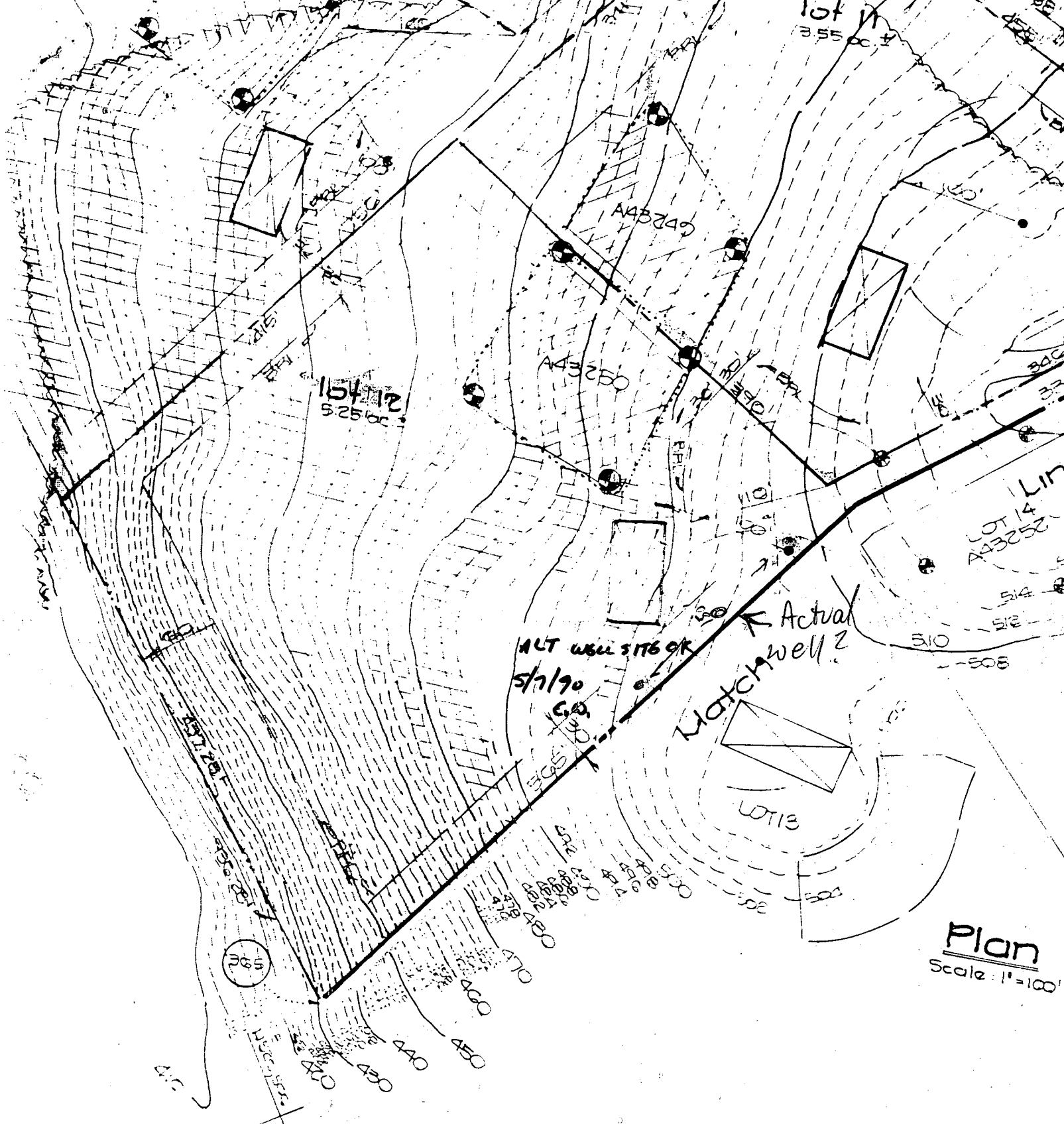
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. WELL  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E **799 90**  
 N **527 3**  
 000 000

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 \_\_\_\_\_  
 54 63  
 FORCE **C** WRITE INITIALS IN BOX PERMIT No. **HO-88-1137**  
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS



**Plan**  
Scale: 1" = 100'

OWNER AND DEVELOPER  
SYCAMORE VALLEY PARTNERSHIP  
LAND DESIGN AND DEVELOPMENT, INC  
8307 MAIN STREET  
ELLCOTT CITY, MD. 21043

E790,500



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HOWARD COUNTY HEALTH DEPARTMENT

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*Diane L. Matuszak, M.D., M.P.H., County Health Officer*

September 18, 2000

Rick Pundzak  
3651 Broadleaf Court  
Glenwood, MD 21738

RE: **Replacement Well Issues**  
Cattail Creek Country Club, Lot 12  
Well Permit #: HO-94-2741

Dear Mr. Pundzak:

This office is requesting that you forward the enclosed form to the appropriate licensed contractor (Well Driller, Registered Plumber or Pump Installer) who will be responsible for the installation of the well pump, well water line connection and related plumbing in the referenced replacement well. The contractor should complete this form neatly and submit it to this office via fax or mail after the pump has been placed in the well. **Submission of this completed form by the contractor is required for final approval of the field inspection which should be conducted by an inspector from this office when the work is ready for inspection. The contractor is responsible for scheduling an inspection request with this office.**

Once the well is connected to the dwelling and an inspection has been conducted and approved, this office is also requesting that you contact the Community Environmental Health Program at (410) 313-1773 to schedule an initial water sampling for the referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). **Currently, there is no charge for this sampling.**

It is preferred that the sample be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If you have any questions, or would like to discuss these matters further please call me directly at (410) 313-2669. Thank you for your attention to these important matters.

Respectfully,

*Steven R. Krieg*  
Steven R. Krieg, Sanitarian  
Water and Sewerage Program

SRK

Enclosure

cc: Community Environmental Health Program  
File ✓

C1 07829

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. OK SRU8/13/00 COUNTY NUMBER A 43250

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" MO-94-2741

OWNER: Pundzak Rick STREET OR RFD: 3651 Broadleaf Ct TOWN: Glenwood, MD SUBDIVISION: Cattail Creek SECTION: LOT: 12

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Dirt, Clay & Br. Schist, Soft Br. Schist, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 23, NO. OF POUNDS: 2162, GALLONS OF WATER: 138, DEPTH OF GROUT SEAL: 80 ft.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE: S T, Nominal diameter: 6, Total depth of main casing: 82

OTHER CASING (if used) table with columns: diameter, depth (feet)

SCREEN RECORD: screen type or open hole insert appropriate code below, SCREEN RECORD: S T, B R, H O, P L, O T

PUMPING TEST: HOURS PUMPED: 3, PUMPING RATE: 15, MEASURE PUMPING RATE: 1 gallon bucket, WATER LEVEL: 80 ft. BEFORE PUMPING, 452 ft. WHEN PUMPING, TYPE OF PUMP USED: A air

NUMBER OF UNSUCCESSFUL WELLS: 2, WELL HYDROFRACTURED: Y N

DEPTH (nearest ft.): H O, 82, 452, SLOT SIZE 1 2 3, DIAMETER OF SCREEN: 56 60

PUMP INSTALLED: DRILLER INSTALLED PUMP: YES NO, TYPE OF PUMP INSTALLED: C centrifugal, CAPACITY: 31 35, PUMP HORSE POWER: 37 41, PUMP COLUMN LENGTH: 43 47, CASING HEIGHT: + above, - below, LAND SURFACE: 2 (nearest foot)

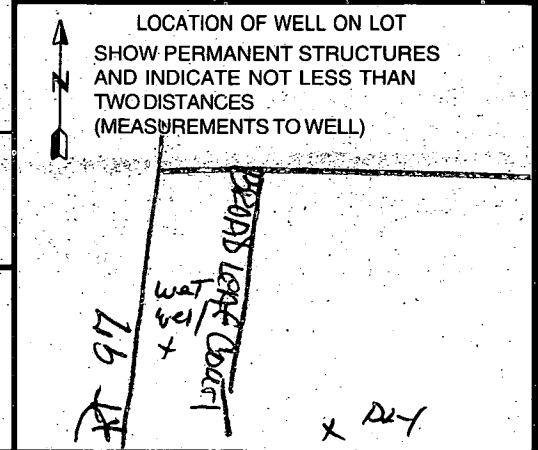
CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL

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...

DRILLERS LIC. NO. 1 M W D 256, Dana Kyker Jr. II, DRILLERS SIGNATURE, LIC. NO. 1 J W D 334, Dana Kyker Jr. II

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER): T (E.R.O.S.) W Q, 70 72 74 75 76



SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee): TELESCOPE CASING, LOG INDICATOR, OTHER DATA

B 1 **4226** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL STATE PERMIT NUMBER **HO-94-2741**  
 W51368 Please print or type **HO-94-2741** fill in this form completely

Date Received (APA) **7-12-00** OWNER INFORMATION  
 8 MM DD YY 13  
**Pandzak Rick**  
 15 Last Name Owner First Name 34  
**3651 Broadleaf Ct**  
 36 Street or RFD 55  
**Glenwood Md 21738**  
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
**HOWARD**  
 8 COUNTY 21  
**CATTAIL CREEK**  
 23 SUBDIVISION 42  
 SECTION      44 46 LOT 12 48 50  
**Glenwood**  
 52 NEAREST TOWN 71

DRILLER INFORMATION  
**DANA KRYKER JR. I. M. D. 256**  
 76 Driller's Name 81 License No.  
**Westminster Rotary Well Phillip, Inc.**  
 Firm Name  
**P.O. Box 811 Westminster, Md. 21157**  
 Address  
**Dana Kryker Jr. 7-1-00**  
 Signature Date

MILES FROM TOWN (enter 0 if in town) 1 M 73 76 77 78  
 B 4  
 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
**BROAD LEAF CT**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 34 **SOU** 37  
 DISTANCE FROM ROAD **FT**  
 ENTER FT OR MI 38 39  
 TAX MAP: **21** BLK:      PARCEL **6**

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 400  
 14 20

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** **A 43250**  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE      INSERT S →  
 DATE ISSUED 071700 **Steven R. Krieg** 071701  
 43 MM DD YY 48 CO-SIGNATURE EXP. DATE  
 NORTH GRID 620 000 EAST GRID 790 000  
 50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET  
 24 28  
 APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST INCH

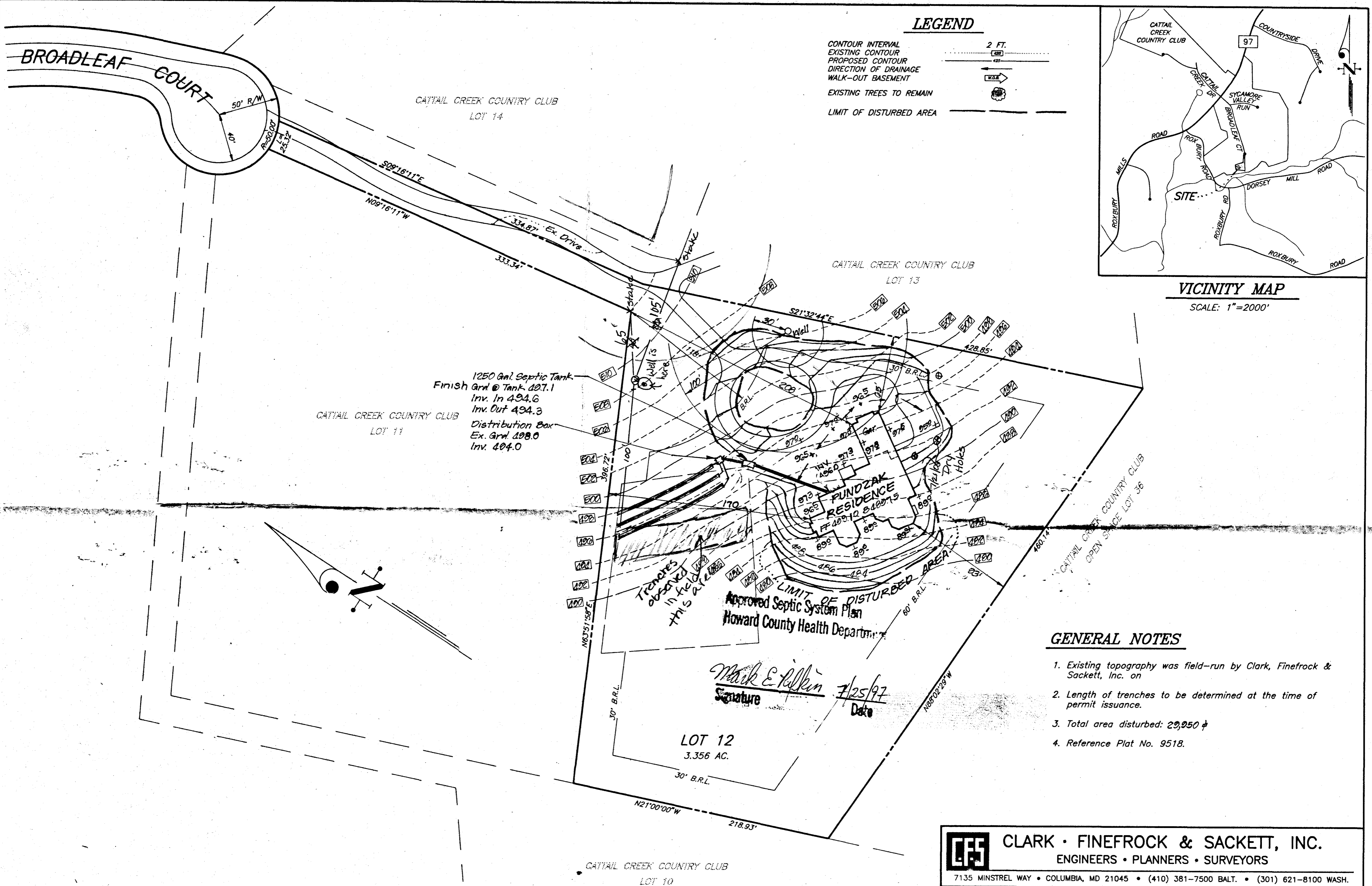
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. **CITY**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E 790 000  
 N 620 ← X 000

METHOD OF DRILLING (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic-Rotary)  
 37 CABLE REVERSE-ROTARY DRIVE-POINT  
 other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)  
 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) HO-88-1137  
 41 52

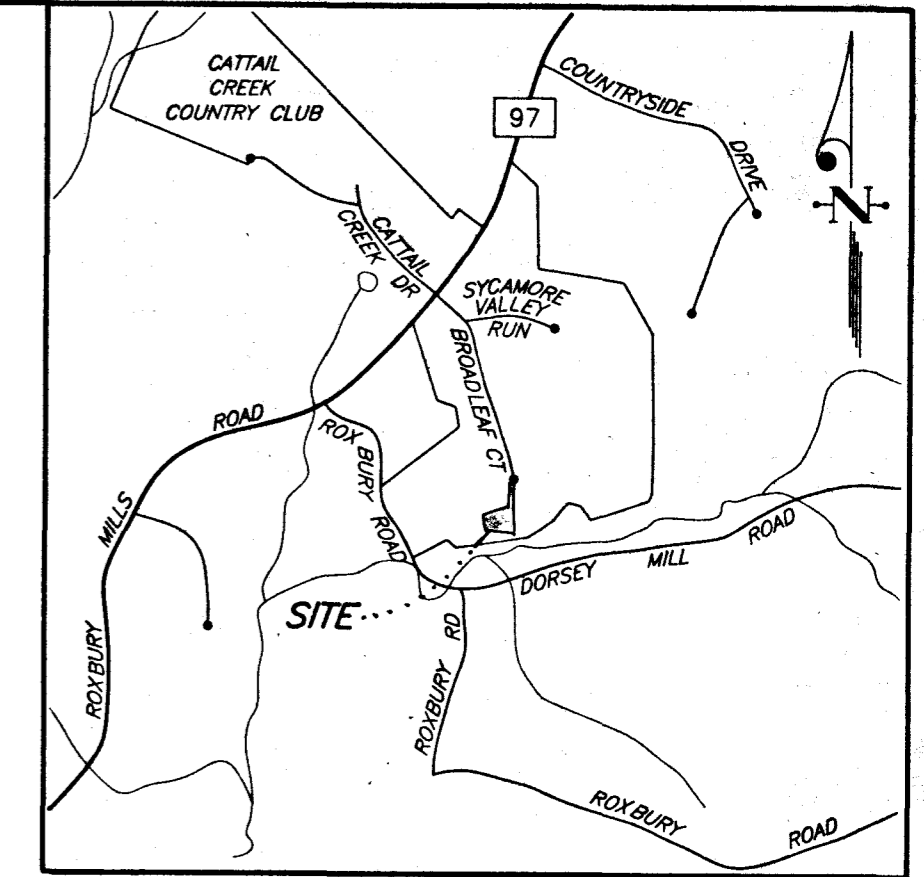
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  
  
**BROAD LEAF CT**  
**House**  
**Septic System**  
**EXISTING Well**  
**PIV POUND**

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
 APPROP. PERMIT NUMBER 54 G A P  
 PERMIT No. **HO-94-2741**  
 70 71 72 73 74 75 76 77 78 79



**LEGEND**

- CONTOUR INTERVAL 2 FT.
- EXISTING CONTOUR (dashed line)
- PROPOSED CONTOUR (solid line)
- DIRECTION OF DRAINAGE (arrow)
- WALK-OUT BASEMENT (rectangle)
- EXISTING TREES TO REMAIN (tree symbol)
- LIMIT OF DISTURBED AREA (dashed line)



**VICINITY MAP**

SCALE: 1"=2000'

1250 Gal. Septic Tank  
 Finish Grd @ Tank 427.1  
 Inv. In 494.6  
 Inv. Out 494.3  
 Distribution Box  
 Ex. Grd. 498.0  
 Inv. 404.0

*Mark E. Salkin*  
 Signature  
 7/25/97  
 Date

**GENERAL NOTES**

1. Existing topography was field-run by Clark, Finebrock & Sackett, Inc. on
2. Length of trenches to be determined at the time of permit issuance.
3. Total area disturbed: 29,950 sq ft
4. Reference Plat No. 9518.

2	Rev. Septic tank loc. & elev. as per HoCo Health Dept. Comm.	7-25-97
1	Rev Septic Layout & raise unit 0.5' as per Ho.Co. Health comments	7-18-97
NO	REVISION	DATE

**CFE** CLARK • FINEFROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED JME	SITE DEVELOPMENT PLAN LOT 12 <b>CATTAIL CREEK          COUNTRY CLUB</b> TAX MAP 21 BLOCKS 9,10,15 & 16 PARCEL 6 4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: TRINITY BUILDERS, INC. 6212 DEVON DRIVE COLUMBIA, MARYLAND 21044	SCALE 1" = 50'
DRAWN LAI		DRAWING 1 OF 1
CHECKED		JOB NO. 97-114
DATE 7-8-97		FILE NO. 97-114 X

65  
105

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: Robert L. Feezer Co, Inc Telephone #: 410-781-4655  
Address: 6321 BARNETT AVE  
SYKEVILLE, MD 21786

(Must circle one) Licensed Plumber                      Licensed Well Driller                      Licensed Well Pump Installer                       
License # and name of individual responsible for the field installation:  
Name (Print) Robert L. Feezer License# 2122

\*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: Rick Punzak Telephone #: 410-442-2556  
Subdivision: CATTAIL CREEK Lot #: NA Well Tag #: HO-HO-942741  
Site Address: 3651 BROADLEAF COURT Lot 12

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>75 P4 EZZAL-04</u>	Make: <u>                    </u>	Two piece watertight cap: <u>YES</u>
Model #: <u>STARITE</u>	Model#: <u>                    </u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>7</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>15+ GPM</u>	NSF approved: <u>YES</u>	Conduit min 18" B.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>                    </u> (feet)		Conduit secured to well cap: <u>YES</u>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt YES

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>PVC 1 1/4"</u>	PVC sleeved to undisturbed soil at wall penetration: <u>8"</u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>8'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve caulked and sealed properly: <u>YES</u>

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

Robert L. Feezer  
Signature of company representative responsible for installation      date: 10/23/2000

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

Anytime

Date Insp. Requested: 10/24/00      Date Insp. Approved: OK to Cover 10/24/00  
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                       
not obs'd - covered

Well ~~not~~ located as per plan inside - septic tank box  
located well outside  
65' to near stake, 105' to far stake  
95-100' to trench location