

2/28/94 pm

10470-05-413990

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49707

A 37788

DISTRICT \_\_\_\_\_

DATE 4/1/93

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 313-2640

DATE SYSTEM APPROVED 2/28/94

INSPECTOR ALM

### INDEXED

Arnolds Backhoe & Septic Services, Inc. IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 7110 Woodbine Road, Woodbine, Maryland 21797 PHONE 489-5188

SUBDIVISION Clearview Estates LOT 32 ROAD 12113 Duskview Ct.

PROPERTY OWNER Albert & Betsy Zanger

ADDRESS 10148 Tanfield Ct., Ellicott City, MD 21042

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

$$\begin{array}{r} 240 \\ 3 \overline{) 720} \\ \underline{6} \\ 12 \end{array}$$

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 distribution box 155 feet from right front (403.24) lot line and 175 feet from the right rear (397) property line as viewed from Dusk View Court. Install trenches on 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 MR 11/1/93

PLANS APPROVED BY Ron Pinkley and Mark Rifkin DATE 10/12/93

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

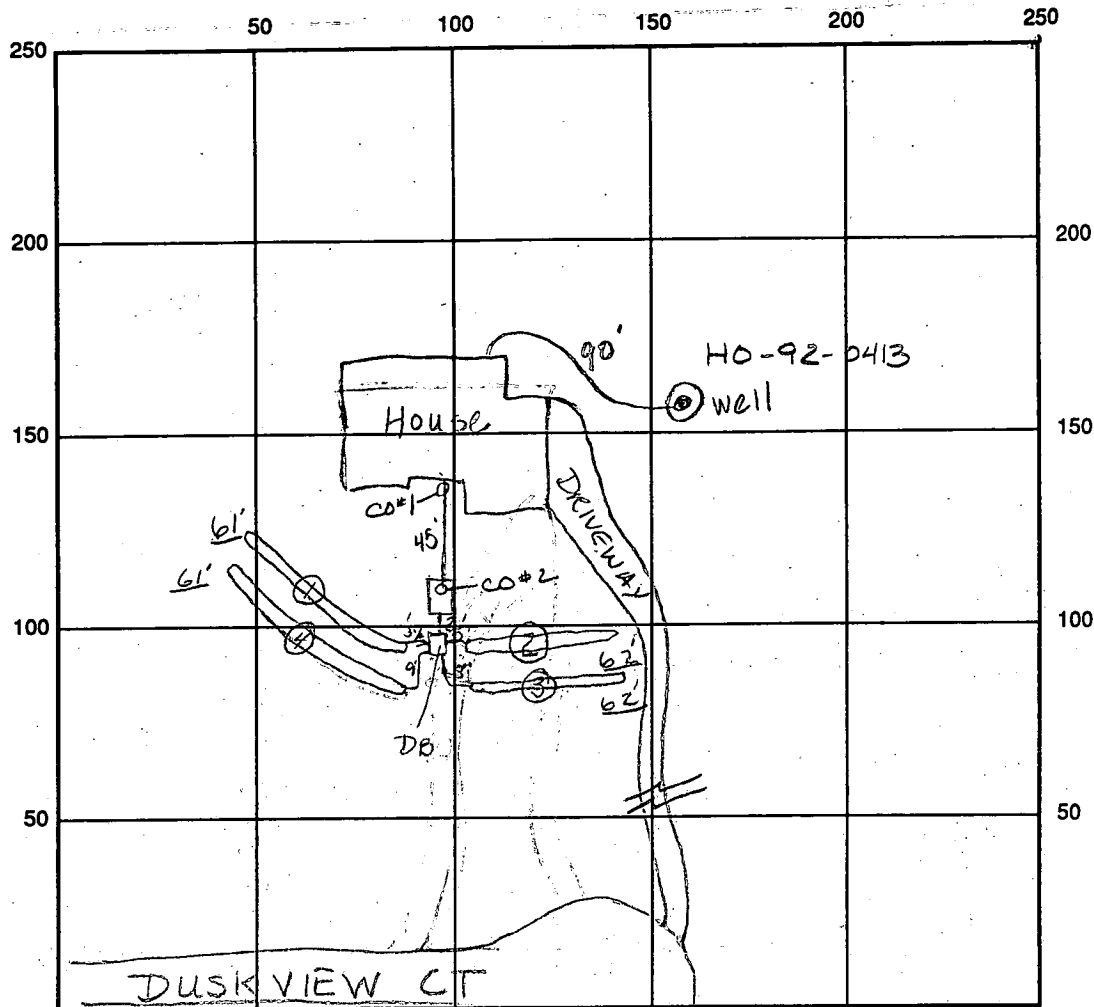
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**SEWER PERMIT SIGNED AND RETURNED** 5-6-99  
Serial # 610117755  
Approved Print.

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

A 37788



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS #1 OK #2 OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 6' FT. TRENCH WIDTH 3' FT. INLET DEPTH 3 1/2 - 4' FT.

EFFECTIVE GRAVEL DEPTH 2' FT. TOTAL LENGTH <sup>0 61' @ 62'</sup> 62' @ 61' FT. = 246'

NUMBER OF TRENCHES 4 ONE-SIDEWALL BOTTOM AREA 738 SQ. FT.

$\frac{11}{246} = \frac{8}{738}$

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA      SQ. FT.

REMARKS: 2/28/94 OK to cover from house to tank - trench #1. Continue work from  
OK to cover trench 2, 3 and 4, tank and DB. Also

12/2/93 WPT - OK to cover line from

DATE SYSTEM APPROVED 12/28/94 INSPECTOR Ang McMillen

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 473, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 992-2330

A 37788

P \_\_\_\_\_

DISTRICT \_\_\_\_\_

DATE 10/09/86  
June 30, 1986

*10/14/86  
perc OK'd  
pending approval  
[initials]*

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 Albert + Betsy Zanger Martha V. Langenfelder  
Conrad J. and Patricia Langenfelder  
ADDRESS 11904 Clarksville Road 5511 Hamilton Avenue  
Clarksville, Maryland 21029 Baltimore, Maryland 21206  
PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Langenfelder Farm - Clearview Est Sec 2 LOT NO. 16 New Lot-2032 11  
ROAD AND DESCRIPTION Maryland Route 108 and Shepherd Lane (12113 DUSKMEW COURT)

SIZE OF LOT 3.2 AC. TYPE BLDG. Residential  
(NUMBER OF BEDROOMS) \_\_\_\_\_

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]*  
(SIGNATURE OF APPLICANT)

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

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

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

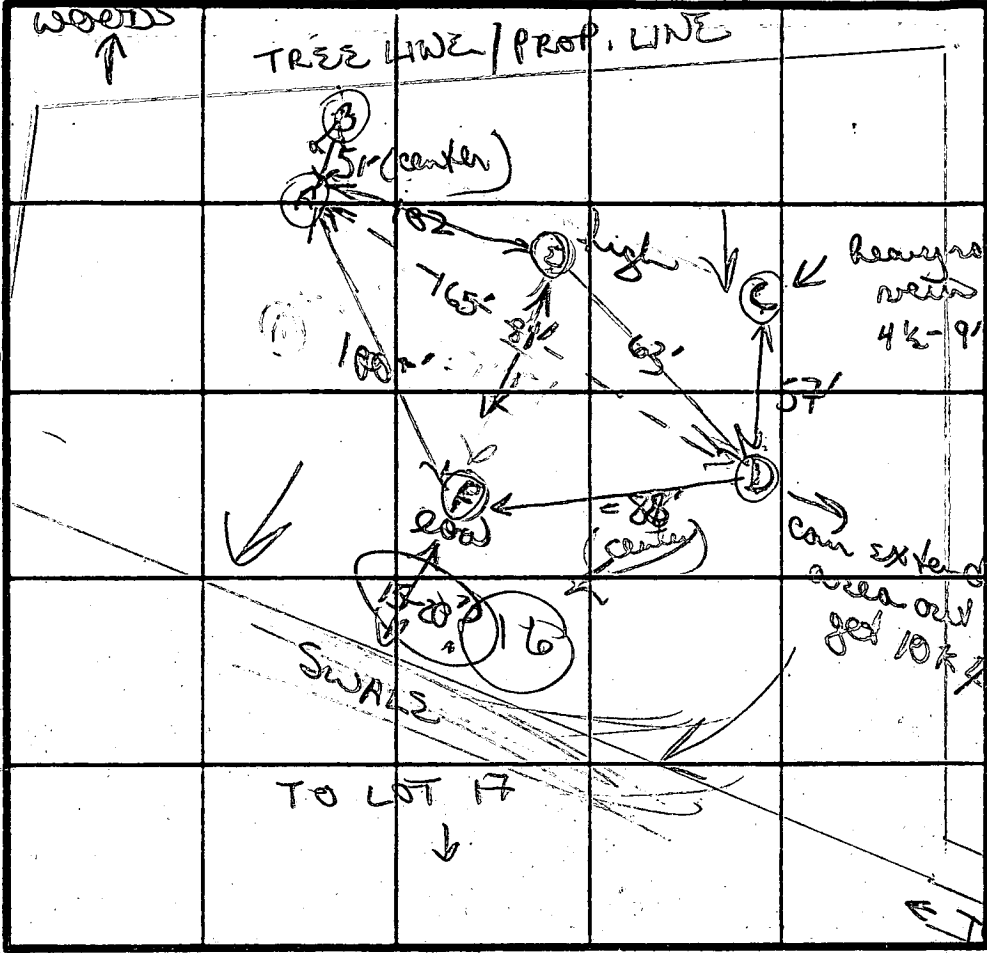
REASONS FOR REJECTION OR HOLDING for field located good + bad holes

BLDG. PERMIT SIGNED AND RETURNED 10/12/86  
Serial # 50645  
SFD - H. Brown

# THIS IS NOT A PERMIT

A 37788

TO CHAPEL



F

orange/red  
gritty clay  
sand loam

4'

quickly  
changing to  
tan powdery  
silty mud

13'0"

LOT 15 →

TO FUTURE ROAD E  
← TO LOT 17

D SOIL PROFILE

chunky red clay -2 1/2'

orange to clay to sandy silt 4 1/2'

to tan brown silty loam w/ some of red/pebbles 6'

(30%.) ↓ 11 1/2'

A

red chunky clay (fairly heavy) -4'

changing to red brown ↓ to tan brown silty loam w/ few scattered frags rock 12'0"

hard chunky gritty clay to clay loam -4'

changing to grey powdery silty loam 10-15% small med frags layered structured sep. 10 1/2'0"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/14/86	D	4'5"	300	301	301	302	1 MIN	
		11 1/2'	bottom (see profile)					
	A	~4'5"	253	312	312	327	18 MIN	
		8'11"	253	254	254	255	1 MIN	
		12'0"	bottom (see profile)					
	②	4'3"	307	308	308	309	100 MIN	
		10 1/2'	bottom (see profile)					
	③	NOT TESTED (SEE PROFILE)						
		4 1/2'-5'5"	319	320	320	321	1 MIN	
		13'0"	bottom (see profile)					

C + B

gritty phly yellow brown sandy/clay loam 5 1/2'

large red orange chunky clay w/ heavy rock next (30%.) 11'

REMARKS: Big swale area adj. or on lot 16. NO corner lot stakes seen. Can extend field if necessary. red clays w/ silty loam w/ rocks.

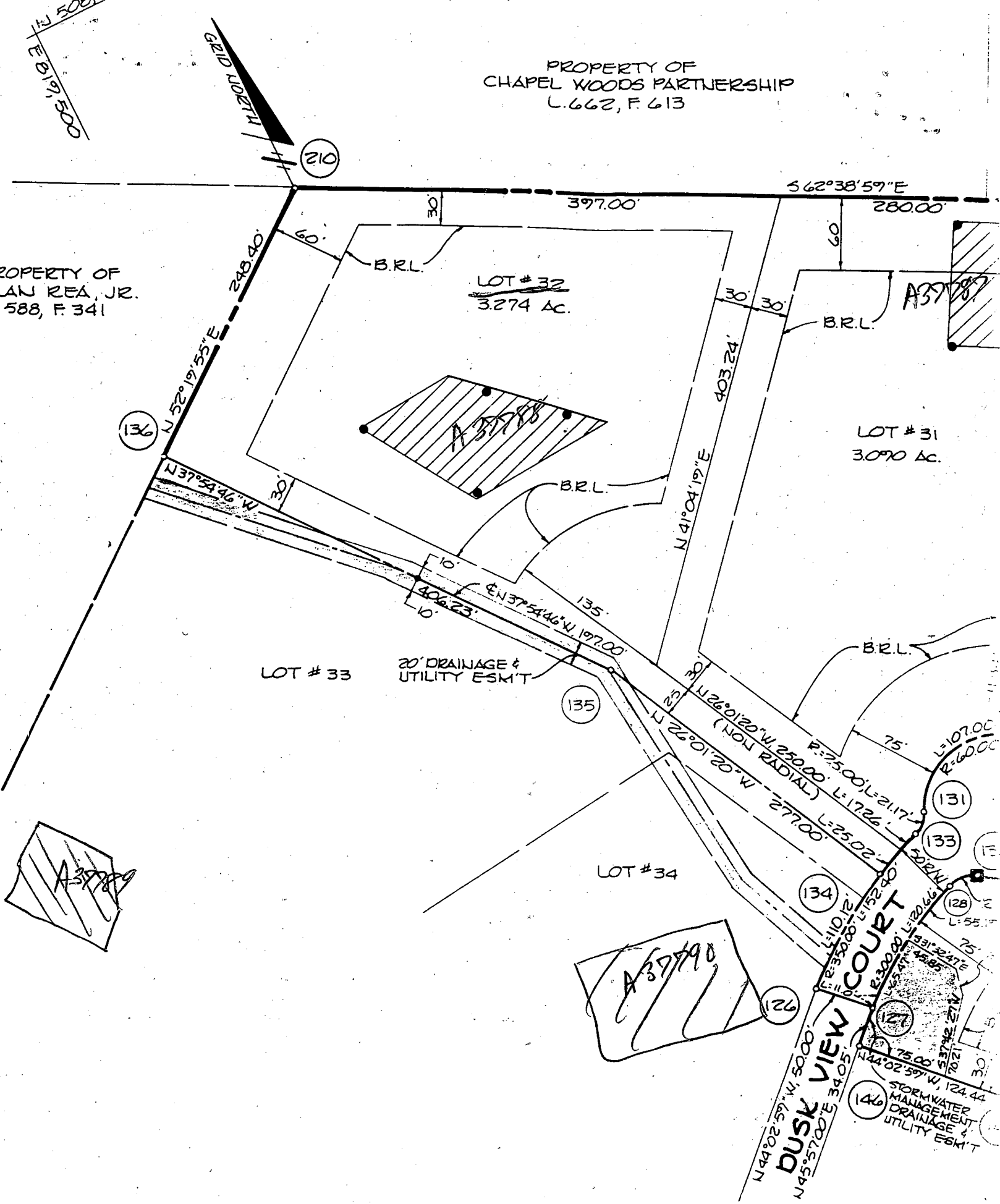
TESTED BY: B Nijon

ALSO PRESENT: J. G. owner digger

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PROPERTY OF  
CHAPEL WOODS PARTNERSHIP  
L.662, F.613

PROPERTY OF  
LLAN REA, JR.  
L.588, F.341



FOR CONTINUATION SEE SHEET 7 OF

C1 0466

SEQUENCE NO. (DENV USE ONLY)

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

A37788

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: 08/16/97

Depth of Well grid: 400 (TO NEAREST FOOT)

PERMIT NO. grid: H0-02-0413

OWNER: Scott Audiment last name, first name, TOWN: Clarksville, SUBDIVISION: Clammyan Estates SECTION: 2 LOT: 32

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 include Top Soil, Leaning Slate, Sand Stone, Brown mica, Grey mica, Brown mica, Green mica, Brown mica, Grey mica.

GROUTING RECORD WELL HAS BEEN GROUDED (Circle appropriate box) TYPE OF GROUING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 10 NO. OF POUNDS 1400 GALLONS OF WATER 50 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 20 ft.

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 40 Total depth of main casing (nearest foot) 40

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

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

Table for SCREEN RECORD with columns for depth (nearest ft.) and rows for casing types.

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. H0

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

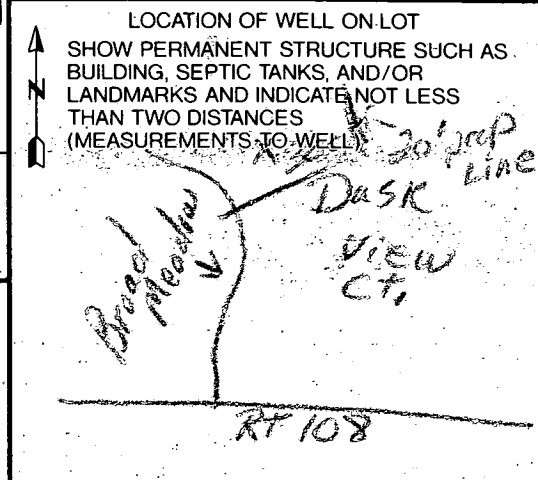
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

TELESCOPE CASING LOG INDICATOR OTHER DATA

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 2 METHOD USED TO MEASURE PUMPING RATE P.I.T. WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING 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



B 1 09041

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

40-92-0413 fill in this form completely

Date Received (APA)

07/19/93

OWNER INFORMATION

SCOTT DEVELOPMENT

7100 KED BRANCH RD

COLUMBIA MD 21045

DRILLER INFORMATION

George F. Basterday

40 License No. 80

L. Franklin Easterday, Inc.

9265 Brown Church Rd., MT Airy, Md. 21771

Signature: L. F. Easterday Date: 7-7-93

B 3

LOCATION OF WELL

40WARD

CLEARVIEW EST

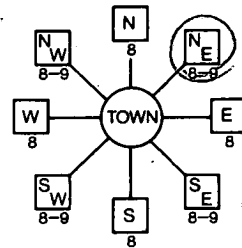
SECTION 2 LOT 32

CLARKSVILLE

MILES FROM TOWN (enter 0 if in town) 2 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



DUSK VIEW CT NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 250

ENTER FT OR MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

County Name: Howard County No. A37788

STATE SIGNATURE DATE ISSUED 07/30/93 EXP. DATE 7-30-94

CO SIGNATURE: Harold Kelly

NORTH GRID 507000 EAST GRID 0820000

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
Public or private water company
Test, observation, monitoring

APPROXIMATE DEPTH OF WELL 300 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

REPLACEMENT OR DEEPEMED WELLS

- 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 deepen an existing well

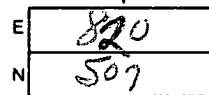
APPROX. PERMIT NUMBER GAP

FORCE RP PERMIT No. 40-92-0413

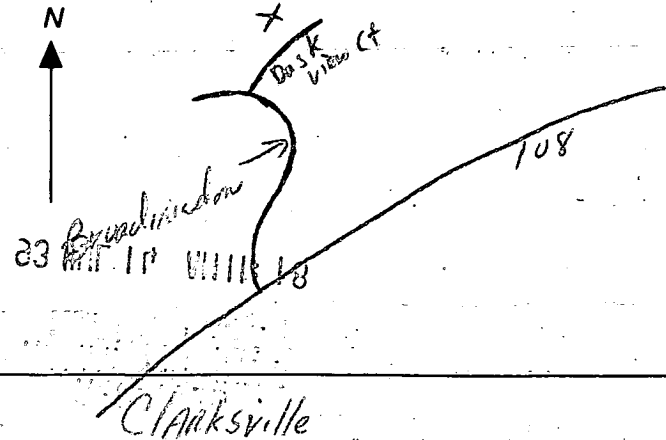
SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. well

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Handwritten notes: 8/16/93 8:00 per well pull (11:30 done) 70# Bag of Cement 40' casing 30' open 1 1/2' casing above ground Von tag on C.B.D.

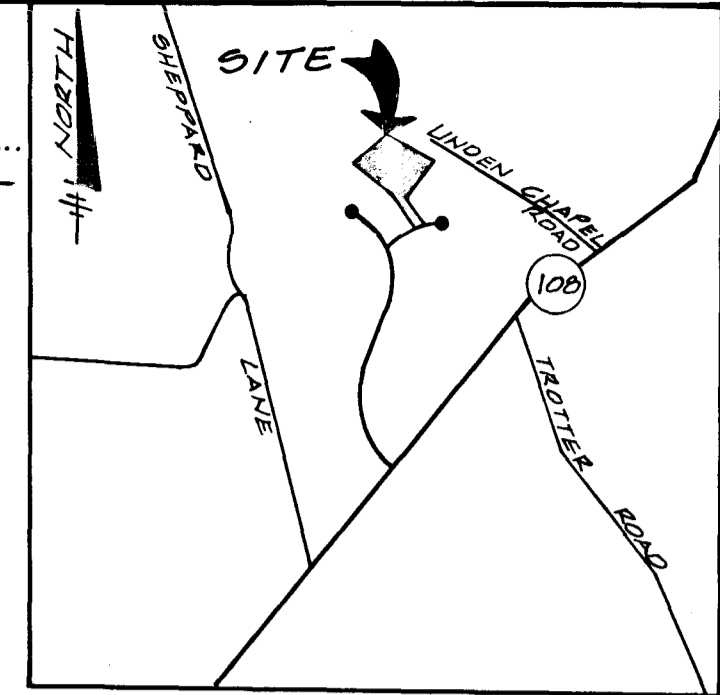


**GENERAL NOTES**

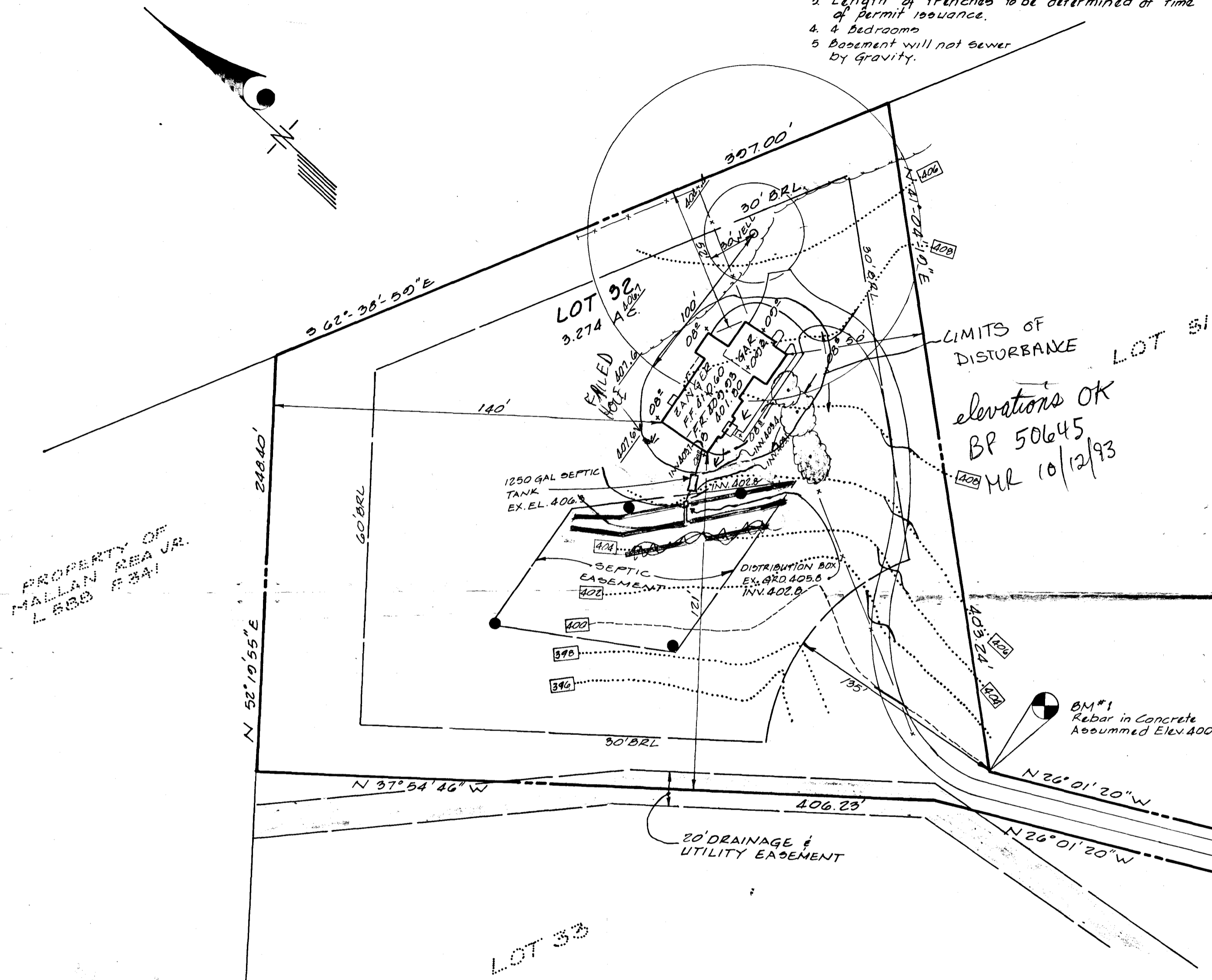
- Existing topography was field run by Clark, Finefrock, & Sackett, Inc. 6-10-03
- Reference record plot number 9717
- Length of trenches to be determined at time of permit issuance.
- 4 Bedrooms
- Basement will not sewer by Gravity.

**LEGEND**

- Contour Interval 2 Ft
- Existing Contour 410
- Proposed Contour 410
- Proposed Spot Elevation +10±
- Direction of Drainage
- Existing Trees to be Saved
- Walkout Basement
- Existing Spot Elevation 406.7



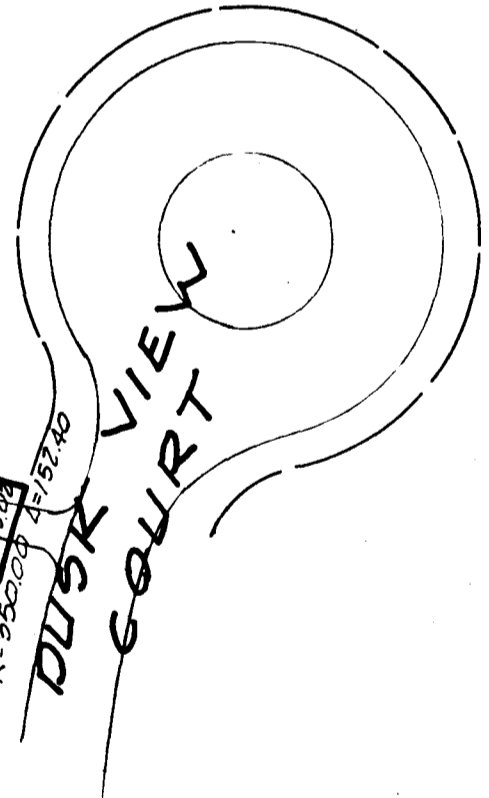
**VICINITY MAP**  
SCALE: 1"=2000'




PROPERTY OF  
MALLAN REA JR.  
L 588 8341

LIMITS OF  
DISTURBANCE  
LOT 31  
elevations OK  
BP 50645  
MR 10/12/93

BM#1  
Rebar in Concrete  
Assumed Elev. 400.00



 <b>CLARK • FINEFROCK &amp; SACKETT, INC.</b> ENGINEERS • PLANNERS • SURVEYORS <small>1101 MINSTREL WAY • COLUMBIA, MD. 21046 • 410 981-1100 • BALTO. • (301) 278-1100 • WASH.</small>		
DESIGNED J.M.E.	<b>SITE DEVELOPMENT PLAN</b> <b>LOT 32</b> <b>CLEARVIEW ESTATES</b> SECTION TWO 5TH ELECTION DISTRICT HOWARD COUNTY MARYLAND	SCALE 1"=50'
DRAWN C.A.F.		DRAWING 1 OF 1
CHECKED J.M.E.		JOB NO 02-07B
DATE AUG, 1993		FILE NO. 02-078X
		SCOTT DEVELOPMENT 9160 Red Branch Rd. #4W Columbia, Md. 21044