

12/16/80  
[Handwritten signatures and notes]

Approved: 12/17/80  
Stephen Kiel

# PERMIT

P 31070

A 24667

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

03-289729

ELLICOTT CITY

DISTRICT 3rd

**INDEAL**

DATE 12/2/80

Olen Ketterman

IS PERMITTED TO INSTALL  ALTER

ADDRESS 14960 Frederick Road, Woodbine, Md. 21797

PHONE 442-1336

SUBDIVISION Berndell Estates

ROAD 935 Santana Lane  
1130 River Road

LOT 32

PROPERTY OWNER Tirso Martinez

ADDRESS \_\_\_\_\_

SPECIFICATIONS 4 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

INLET PIPE \_\_\_\_\_ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH \_\_\_\_\_ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT \_\_\_\_\_ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AND \_\_\_\_\_ FT. FROM \_\_\_\_\_ LOT LINE AS SEEN WHEN FACING LOT FROM

Trench system to have 165 sq. ft. absorbent sidewall area per bedroom to begin below the first 2 1/2 ft. of original grade. Maximum depth permitted for trench is 10 1/2 ft. below original grade. Place center of trench 115 ft. from the 677.14' lot line and 160 ft. from the 533.25' lot line. For 4 bedroom house 100 ft. trench required.

PLANS APPROVED BY R. Moorefield, D. W. Monaghan & Frank Skinner DATE 3/3/77 & 12/2/80

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 8 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

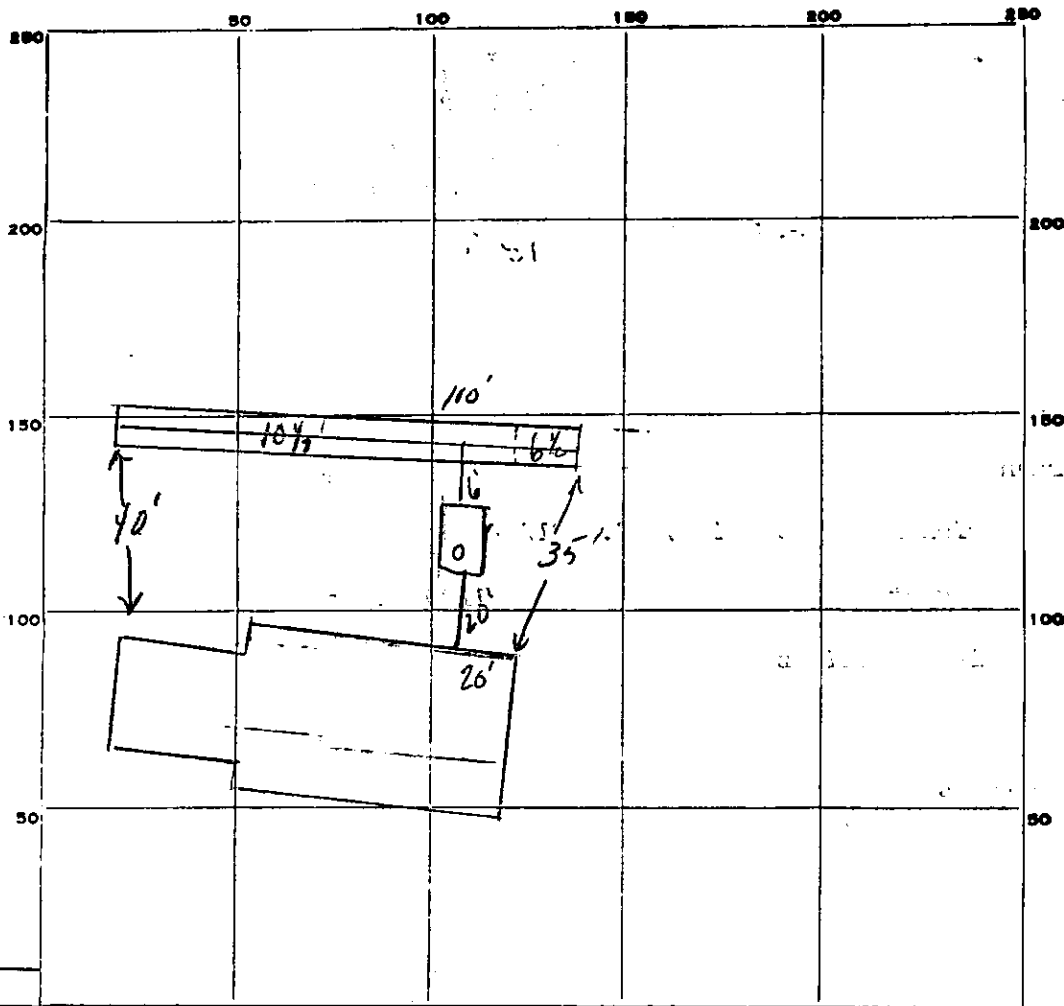
**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.**

HD - 23  
BLDG. PERMIT SIGNED AND RETURNED 12/6/80  
Serial # 40542  
Interior Alterations

BLDG. PERMIT SIGNED AND RETURNED 12/12/80  
Serial # 9367  
Garage

BLDG. PERMIT SIGNED AND RETURNED 6/9/80  
Serial # 70856-Prod.

ADULT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS  ST

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TRENCH

FILE FIELD, DEPTH: 10 1/2 FT. TRENCH WIDTH: 2 FT.

GRAVEL DEPTH 8 IN. TOTAL LENGTH 100 FT.

NUMBER OF TRENCHES 1 TOTAL <sup>SIDEWALL</sup> BOTTOM AREA 780 <sup>sq ft</sup>

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

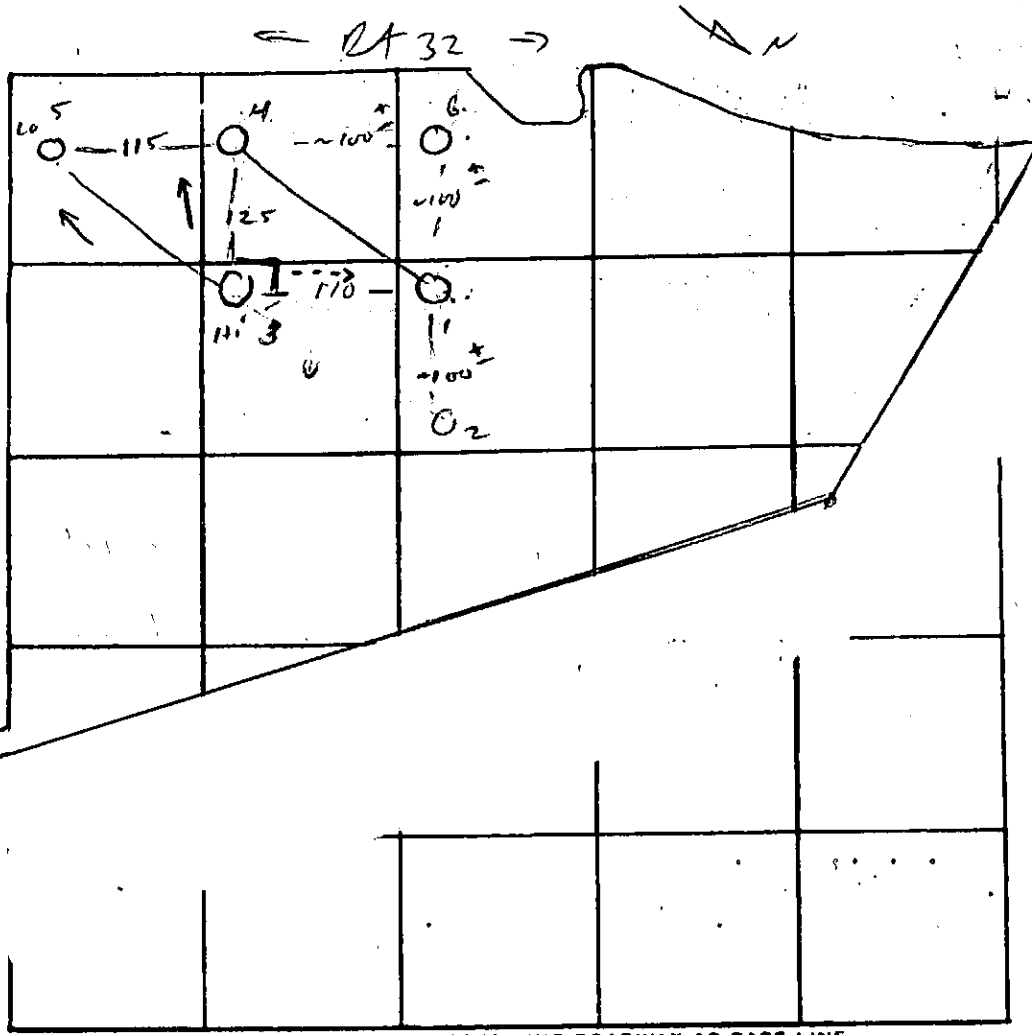
ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 12/16/80 OK to cover to trench, OK to add  
gravel to trench -SK- 12/10/80 OK to cover  
all work -SK- 12/17/80 back all work -SK-

DATE SYSTEM APPROVED 12/17/80

INSPECTOR Stephen Kell





Lt 32

$t = 15$

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

← River Rd →

1, 3, 4, 5

0  
Sandy  
loam w/  
some clay  
near top  
13

2, 6  
0  
Sim. to  
others but  
rocky  
640

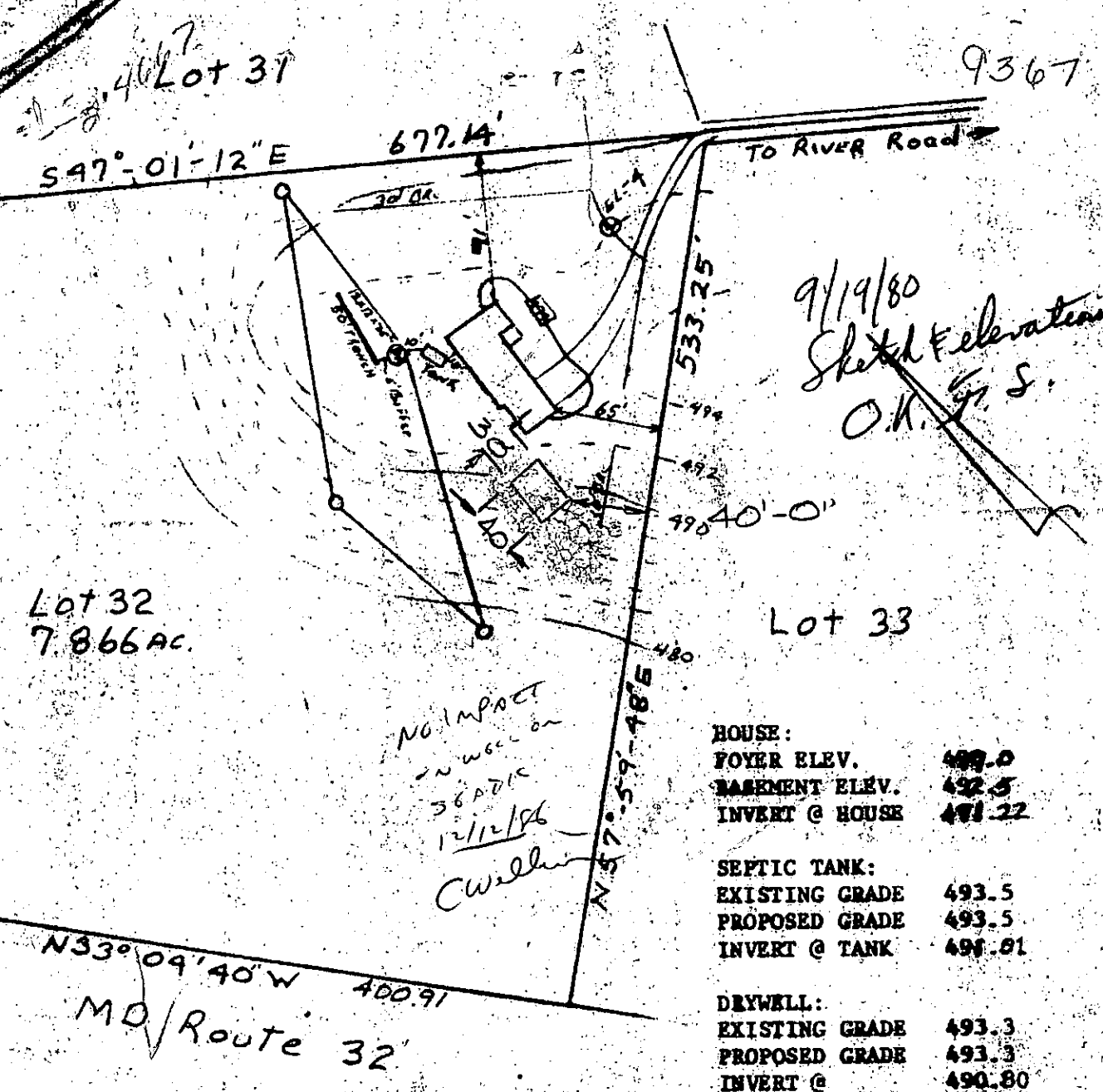
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/18/76	1	2	335	345	345	405	20
	1A	13	326	340	340	342	7
	2	10	rock				
	3	3	122	138	138	151	13
	3A	13	122	138	138	149	11
	4	4	157	230	220	243	23
	4A	13	157	202	202	215	10
	5	3	159	207	207	218	18
	5A	13	159	202	202	210	8
	6	6-8'	rocky				

REMARKS \_\_\_\_\_

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

TESTED BY M ALSO PRESENT: \_\_\_\_\_





4667  
 Lot 31  
 S47°-01'-12"E

9367

TO RIVER Road

9/19/80  
 Sketch Elevations  
 O.K. S.S.

Lot 32  
 7.866 AC.

Lot 33

NO IMPACT  
 on well on  
 36" dia  
 12/12/86  
 C. Well

HOUSE:	
FOYER ELEV.	499.0
BASEMENT ELEV.	492.5
INVERT @ HOUSE	491.22
SEPTIC TANK:	
EXISTING GRADE	493.5
PROPOSED GRADE	493.5
INVERT @ TANK	491.01
DRYWELL:	
EXISTING GRADE	493.3
PROPOSED GRADE	493.3
INVERT @	490.80

N33°09'40"W 400.91  
 MD/Route 32

TRENCH: 12/12/86 C. Well  
 50' LONG  
 10.5' DEEP WITH 7 1/2" OF STEEL

GRADING STUDY

BURDELL ESTATES  
 TAX MAP 9 PARCEL #245  
 3RD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE 1" = 100'  
 DATE 9/11/80

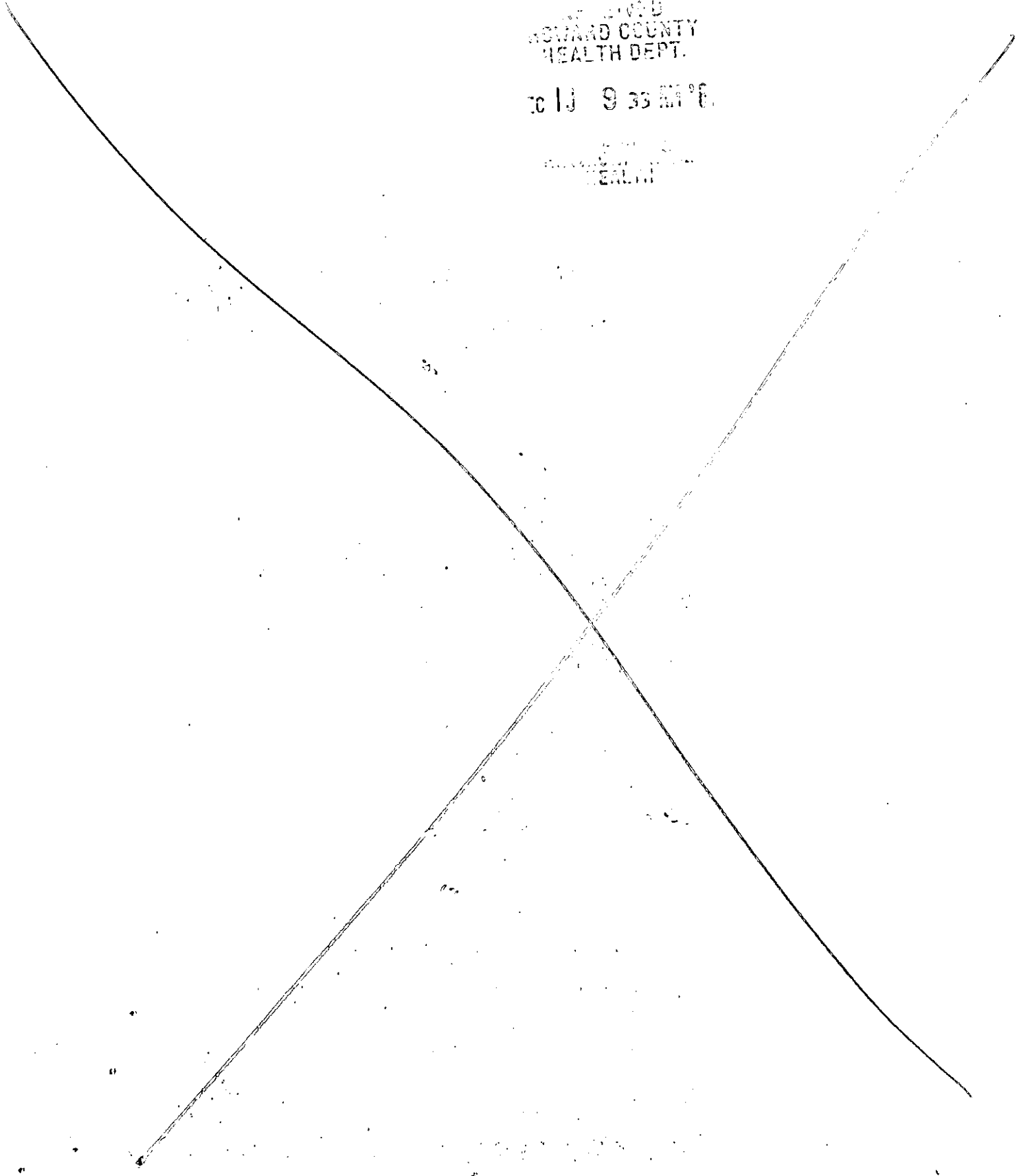
I certify the above measurements  
 & elevations are actual and true  
 for this property.

*J. Carl Hudgins*  
 J. Carl Hudgins PL#96

HOWARD COUNTY  
HEALTH DEPT.

TO 13 9 33 AM '68

HEALTH





The lot shown hereon complies with the minimum ownership and lot areas as required by the Maryland State Dept of Health and Mental Hygiene.  
 APPROVED: Private Water & Private Sewer

*Jayman Boyden*  
 Howard County Health Officer  
 date 03/31/90

LOT 31

S 47° 01' 12" E

LOT 32  
 7.866 Ac.

N 19° 48' 48" W }  
 20.66  
 N 12° 59' 44" W }  
 56.76  
 N 09° 32' 34" W }  
 51.86  
 N 08° 48' 50" W }  
 16.46  
 N 10° 26' 22" W }  
 21.90  
 N 12° 18' 31" W }  
 23.69  
 N 07° 56' 12" W }  
 60.31

S 56° 55' 20" W }  
 42.00  
 N 42° 32' 25" W }  
 36.50  
 N 08° 02' 03" E }  
 73.00  
 N 33° 04' 40" W }  
 29.00  
 N 09° 01' 55" W }  
 11.32

400.91  
 N 33° 04' 40" W }  
 64.25

• = Perc Holes Field Located

677.14'

250'±

well

160'±

191'±

190'±

180'±

123'±

120'±

143'±

480.5

280'±

450

465

480

475

410

465

440

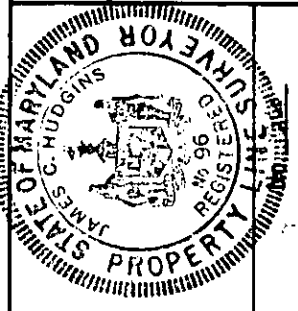
455

533.25

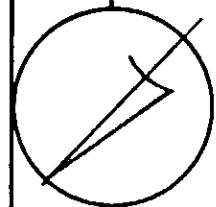
L 57° 59' 48" E

85'±

N 33° 04' 40" W



*Carl Hudgins*  
 J. CARL HUDGINS



REFERENCE

MERIDIAN

**RICHARD P. BROWNE ASSOCIATES**  
 CONSULTING ENGINEERS, PLANNERS  
 COLUMBIA, M.D.

MAP OF PROPER  
 L.A.M. Inc.  
 SITUATED IN  
 3rd Election District How  
 SCALE: 1" = 100'  
 DRAWN GAT CHECKED

PROJECT No. \_\_\_\_\_ W. O. No. \_\_\_\_\_

C 1 4644 SEQUENCE NO. (WRA USE ONLY)

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

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED

COUNTY NUMBER A 24667

Date Received (WRA use only) 9/5/80 DATE WELL COMPLETED

Depth of Well 120 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-73-3678

OWNER Mrs. Moulton TIRSO last name first name

STREET OR RFD BUONDELL EST. TOWN SECTION LOT 32

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include TOP SOIL, SAND, BROWN SLATE, BLUE SLATE, SANDSTONE, etc.

WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 8 NO. OF POUNDS 500

CASING RECORD casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

MAIN CASING TYPE S T Nominal diameter top(main)casing (nearest inch) 6 Total depth of main casing (nearest foot) 30

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

SCREEN RECORD screen type or openhole insert appropriate code below: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

DEPTH (nearest ft.) 28 120

PUMPING TEST HOURS PUMPED (nearest hour) 2 PUMPING RATE (gal. per min. to nearest gal.) 30 METHOD USED TO MEASURE PUMPING RATE BUCKET WATER LEVEL (distance from land surface) BEFORE PUMPING 30 WHEN PUMPING 120 TYPE OF PUMP USED (for test) A (air), P (piston), T (turbine), C (centrifugal), R (rotary), O (other), J (jet), S (submersible)

PUMP INSTALLED YES (Y) NO (N) DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) 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 LAND SURFACE - below (nearest foot)

CIRCLE APPROPRIATE BOX [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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS IDENT. NO. 40 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX (F)

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

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) 100 Well 200 300 PINE RD.

REC'D  
HOWARD COUNTY  
HEALTH DEPT.

OCT 24 10 15 AM '88

DIVISION OF  
ENVIRONMENTAL  
HEALTH

OCT 23 9 35 AM '88