

W.P.I. - 8/1/84

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

ELLICOTT CITY

DISTRICT 1st

DATE 5/17/84

INDEX

01-184903

Tom Zebroski

~~Wade Souder~~

IS PERMITTED TO INSTALL X ALTER

ADDRESS

PHONE

SUBDIVISION Talbot's Last Shift

ROAD 5301 Talbot's Landing Rd
9077 Ilchester Road

LOT 2

PROPERTY OWNER

Ronald Osborne & J. Chatfield

5976 Grand Bank Road

ADDRESS

Columbia, Maryland 21044

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

TRENCHES - 160 sq. ft. per bedroom Minimum total sqft. 480. Trench to be 2 feet wide, Inlet 4 feet below original grade. Maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade with 4 feet of stone below distribution pipe. LOCATION: Start the trenches at point ~~200~~ ¹⁸⁵ feet from the front (346.93') lot line, and 185' from the left (431.81') lot line, and run the trench on level ground toward the right front lot corner. NOTES: (1) No trench to exceed 100 feet in length. (2) If more than one trench used, a distribution box is required. (3) Trenches to be installed on level ground

CHANGES IN LOCATION OK 7/23/84 Craig Mullen

BUDG. PERMIT SIGNED

AND RETURNED 4/10/84

Serial # 31999

Garage

PLANS APPROVED BY

Frank Skinner

DATE 5/08/84

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 AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

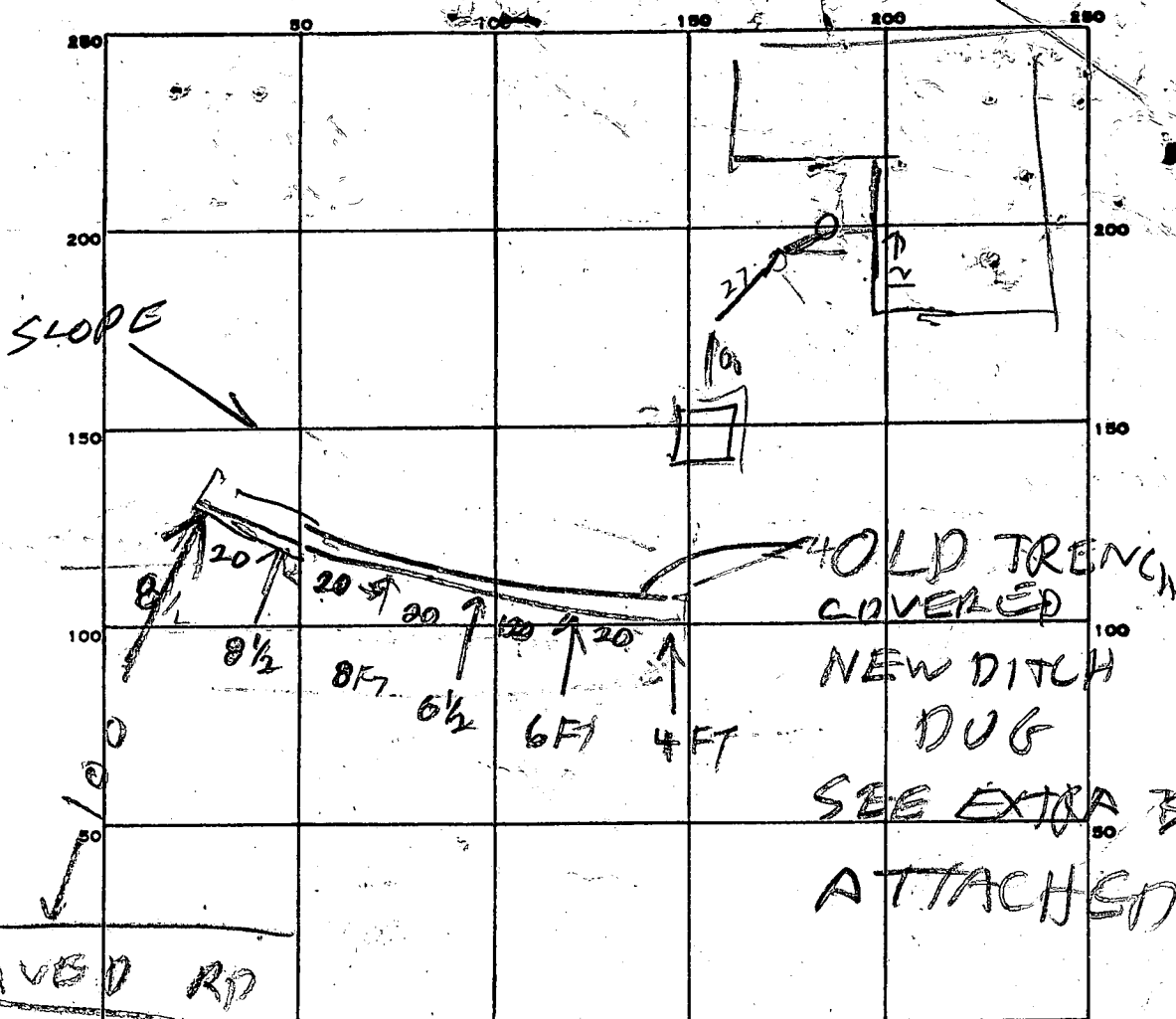
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

9.5
8
7
6.5
300
7.5

A-30756



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD _____

SEPTIC TANK, LEVEL 1000

CLEANOUTS OK

DISTRIBUTION BOX, LEVEL TOP OF TANK ONLY 1 FT

TRENCH DEPTH 6.5 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH 95 FT.

NUMBER OF TRENCHES _____ TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 7/30/84 - REJECT DITCH TO SHALLOW
INLET TO DITCH COME AT ORIGINAL GRADE LEVEL
2 FT OF FILL OVER INLET DITCH RUNNING UP SLOPE
7/31/84 NEW DITCH & VISUAL HOLE DUG
SEE EXTRA SHEET

DATE SYSTEM APPROVED

8/4/84

INSPECTOR

C. Williams

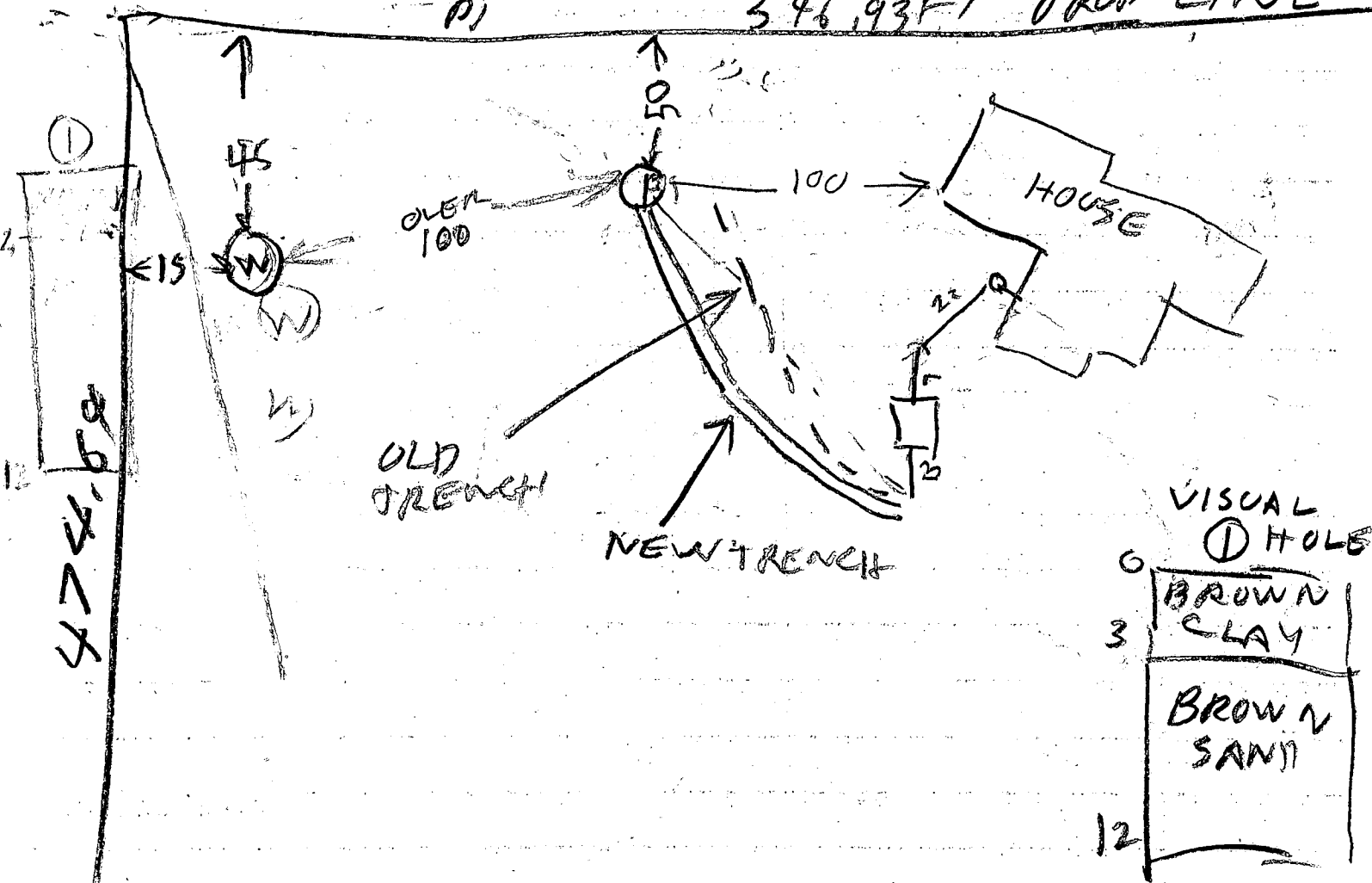
P 33896

A 30756

TALBOYS LAST SHIFT

P1

346.93 FT PROP LINE



ST-OK 1000 TOP 1 FT BOG

NEW TRENCH - DEPTH 8 FT, 2 FT WIDE, 99 FT LONG
 INLET ~~PIPE~~, 3 FT
 STONE DEPTH 5 FT

7/31/84 ADD STONE TO NEW DITCH & CALL
 OK TO COVER TRAIL & SEWER LINE

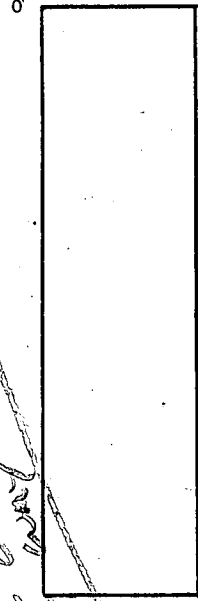
ONE SIDEWALL AREA 5 ft stone x 99 ft long = 495 sq ft
 ABS. AREA

Lot 200

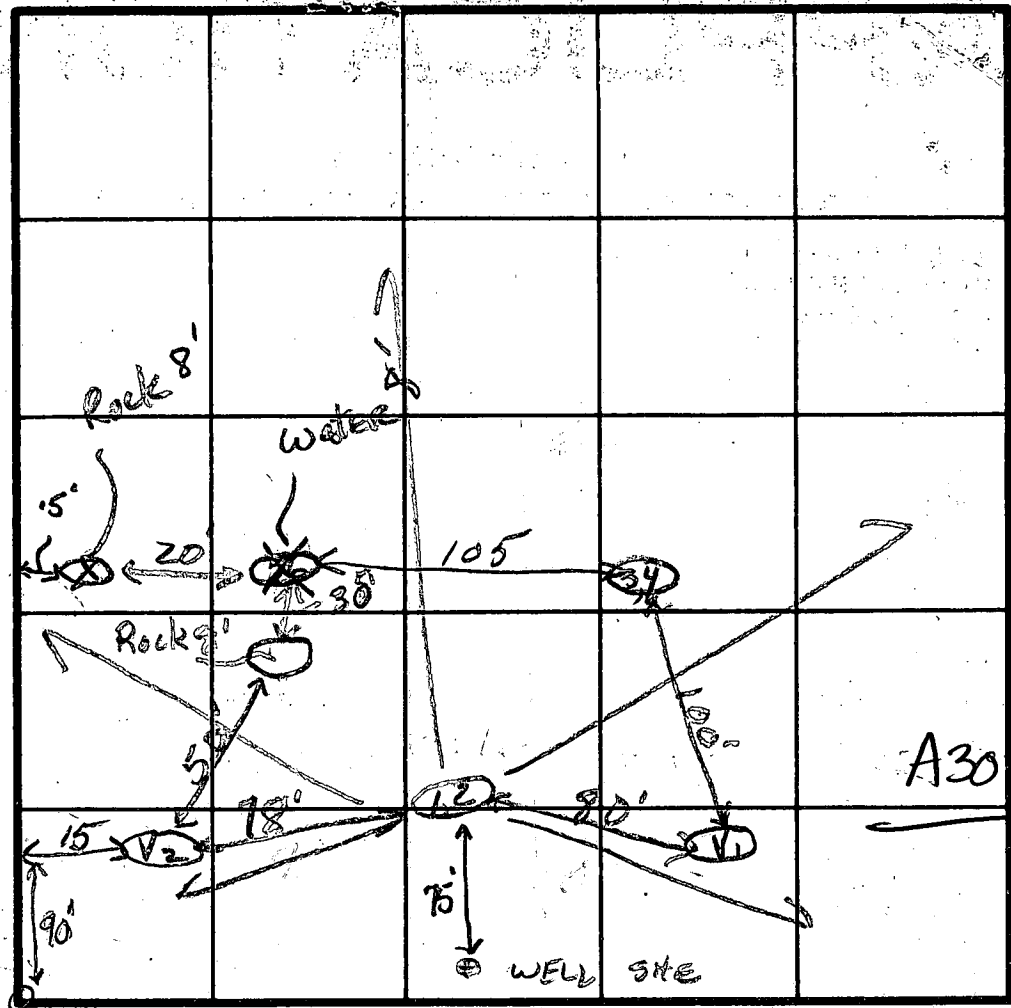
FIELD SHEET

NEW PAVED ROAD
10/5/81

SOIL PROFILE



Power line
Power line



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

URT ROAD

TREE LINE

1-4 clayish
4-12 sandy loam

1-3 clay
3-10 sandy loam

1-4 clay
4-12 sandy loam
8-12 (hot)
3-12 sandy loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-2-80	1	4'	2:41	2:47	2:47	2:57	10 min
	2	12'	2:41	2:49	2:45	2:55	10 min
	3	3'	3:13	3:15	3:17	3:17	2 min
	4	10'	3:05	3:07	3:07	3:12	4 min
	5	water at			8'		
	6						
	4A	9'	3:24	3:26	3:26	3:37	11 min
	V1	12'					
	V2	12'					

* Rock
just beneath
hole, etc

E:11

REMARKS Held for certified holes

TYPE OF SOIL

TESTED BY RH + SK 7-2-80

ALSO PRESENT

Reflected means

LOT #2

October 5, 1981

{ 1 Hole dug only
Hold for certified holes }
house site, + water well site

Field Sheet

check 11A + 11D { Water Well
Tupia

not able to locate

10/5/81

{ old hole location

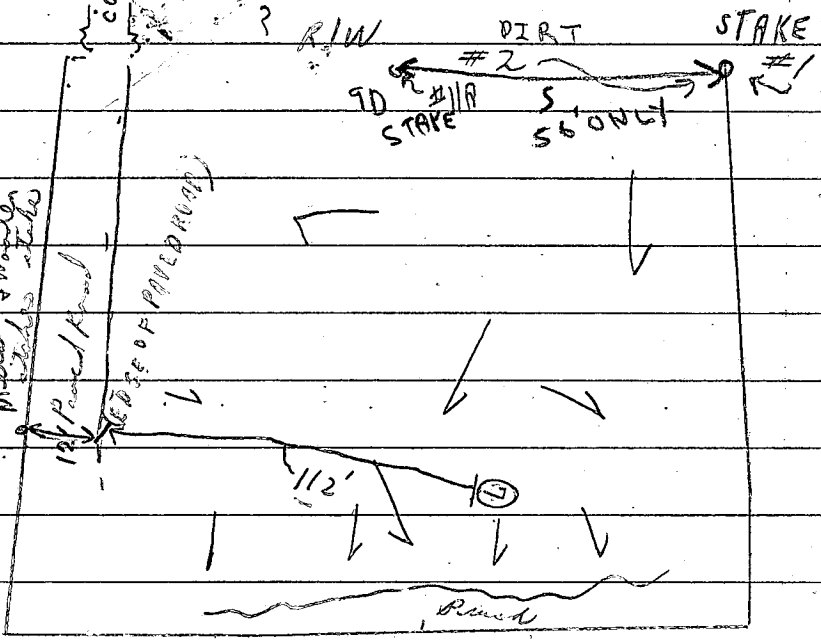
High brush

Hold (2) For certified
holes, house

1 Hole ready site
water
contours

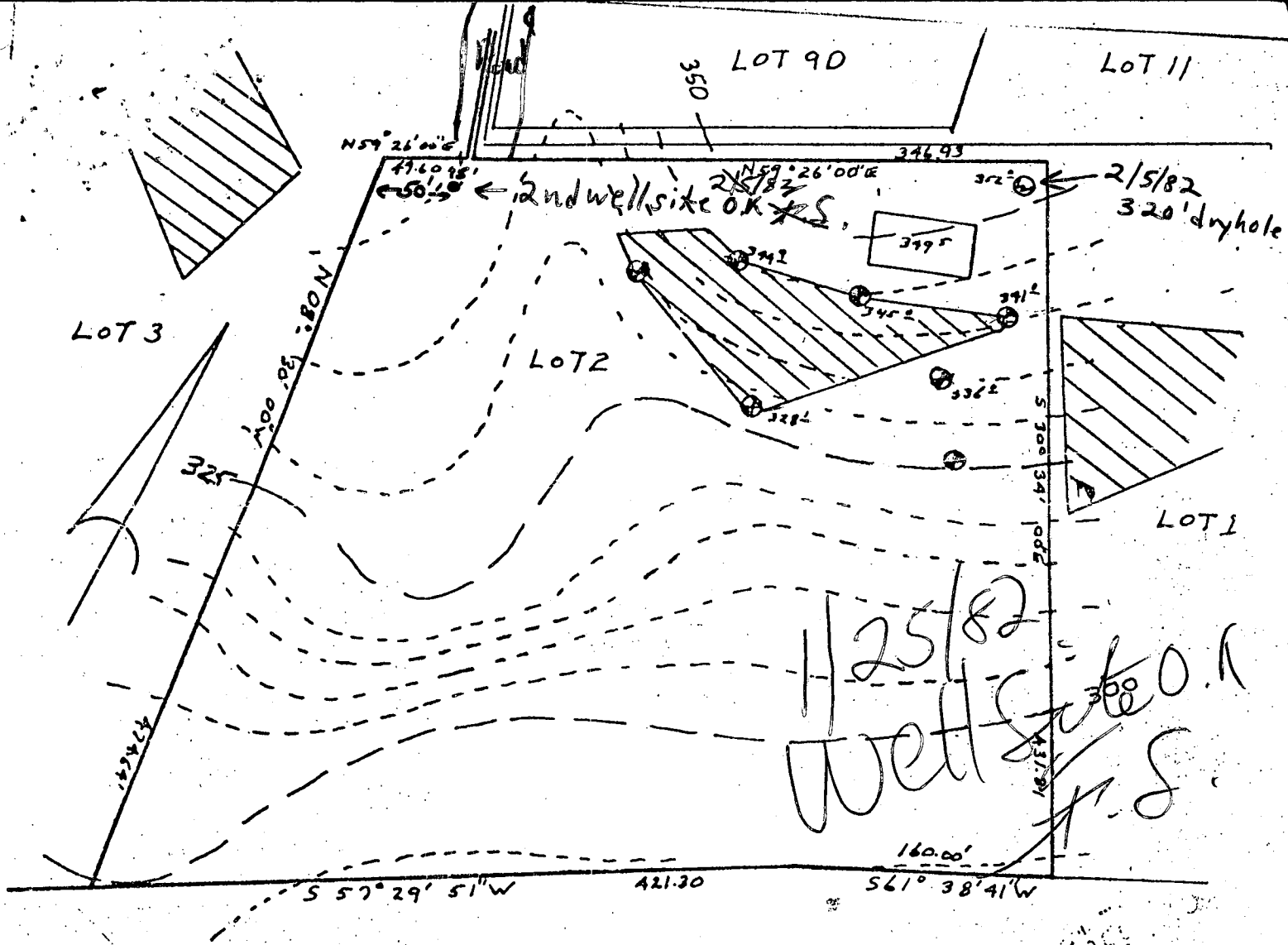
D. Remmon

O Ketterman (3)



SOIL PROFILE		Depth	1st Time	2nd Start	2nd V top	
1' - 5' CLAY	7 S	5'	9:49	9:57	10:11	14 min
5' - 12' 8" SANDY LOAM + SOME SANDSTONE	7 D	8'	9:48	9:51	9:56	5 min

A 30756



 This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "⊙".
 The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.
 Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

 County Health Officer
 Date 10-20-81

PERCOLATION TEST PLAT
 PARCEL 2
 TALBOT'S LAST SHIFT
 PROPERTY OF
 HOWARD ASSOCIATES
 TILCHESTER ROAD
 1st Election District
 Howard County, Maryland
 Scale: 1 1/2" = 100'
 Date 10-14-81

NTT Associates
 Suite 307, Clark Bldg.
 Columbia, MD 21044
 321-0307

C1 3103	SEQUENCE NO. (OEP 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.
	(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER A30756
Date Received (OEP use only)	DATE WELL COMPLETED 2-10-82	Depth of Well 185 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-73-4110

OWNER last name Osborn first name Ronald	STREET OR RFD Ilchester Road	TOWN Ellicott City
SUBDIVISION Talbots Last Shift	SECTION	LOT 2

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
Top Soil	0 2	
Sandy	2 28	✓
Sand Stone	28 35	
Micka	35 45	
Sand Stone	45 55	✓
Micka	55 185	

GROUTING RECORD	
WELL HAS BEEN GROUTED ☒ YES ☐ NO	
TYPE OF GROUTING MATERIAL	
CEMENT ☒ BENTONITE CLAY ☐	
NO. OF BAGS 9	NO. OF POUNDS 700
GALLONS OF WATER	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 35 ft.	
from 48 TOP (enter 0 if from surface) to 58 BOTTOM	
CASING RECORD	
casing types insert appropriate code below	☒ STEEL ☐ CONCRETE ☐ PLASTIC ☐ OTHER
MAIN CASING TYPE	Nominal diameter top(main) casing (nearest inch) 6
	Total depth of main casing (nearest foot) 38

OTHER CASING (if used)	
depth (feet) from	to
SCREEN RECORD	
screen type or open hole	☒ STEEL ☐ BRASS ☐ OPEN HOLE ☐ BRONZE ☐ PLASTIC ☐ OTHER

C2 (Seq. no.)	
DEPTH (nearest ft.) 185	
EACH SCREEN	1 HO 36 185
	2
	3
SLOT SIZE	
DIAMETER OF SCREEN (NEAREST INCH)	
from to	

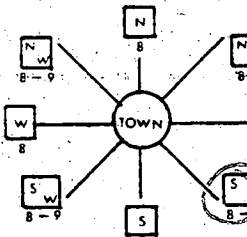
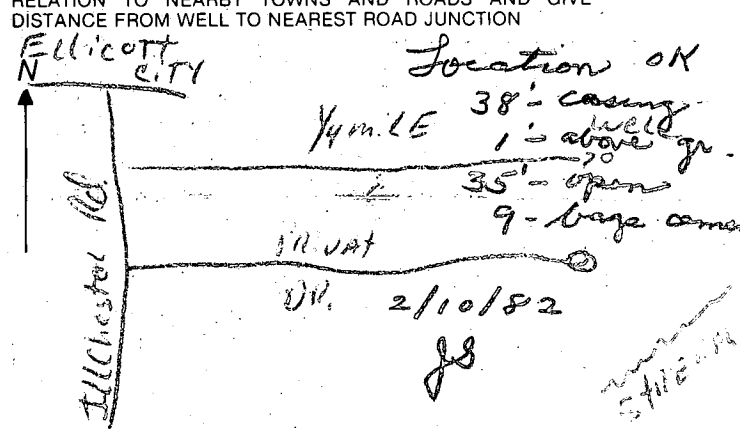
GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX ☐	
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T	(E.R.O.S.)
70	72
TELESCOPE CASING	LOG INDICATOR
WQ 74 75 76	
OTHER DATA	

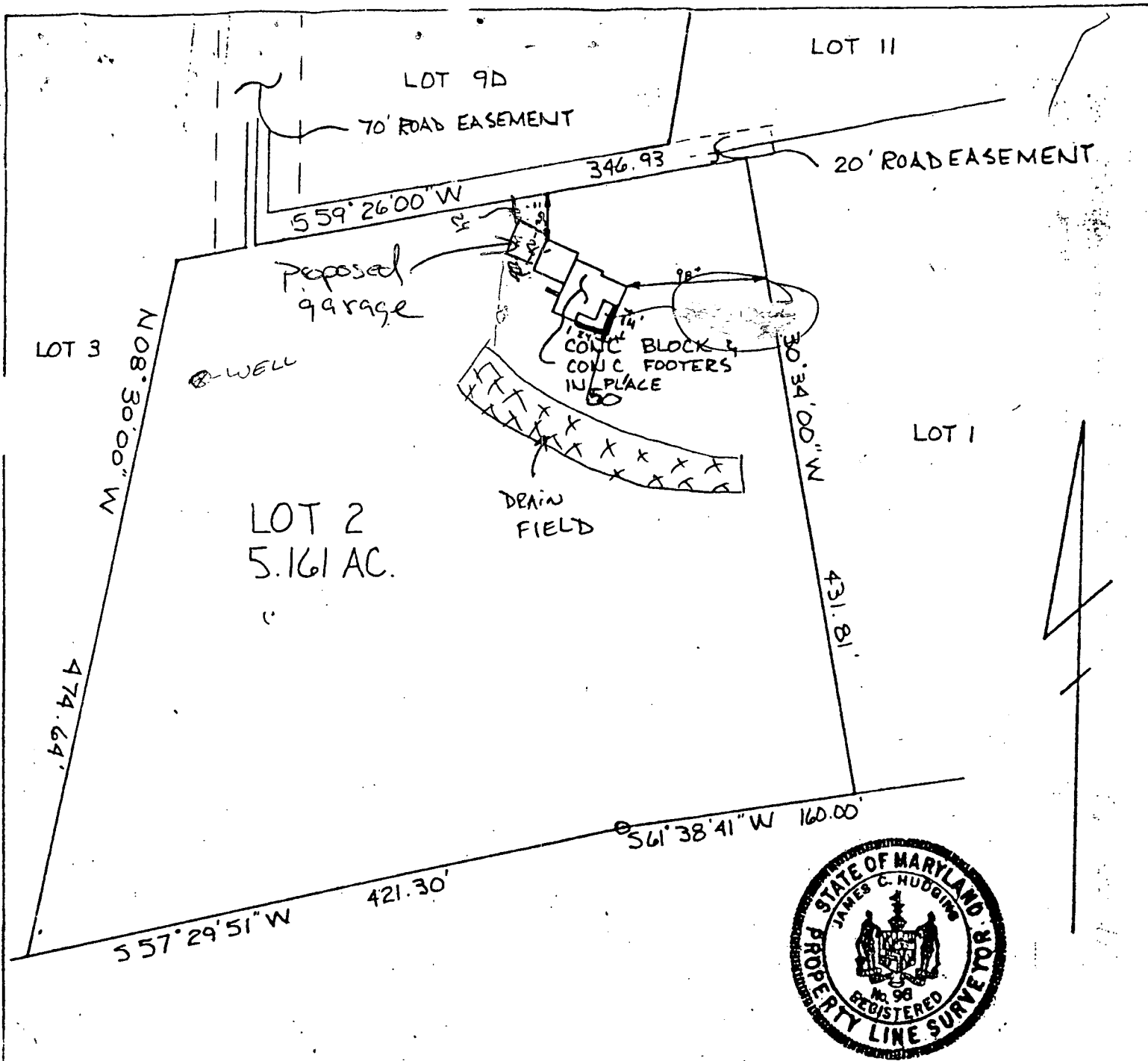
C3 (Seq. no.)	
PUMPING TEST	
HOURS PUMPED (nearest hour) 4	
PUMPING RATE (gal. per min. to nearest gal.) 6	
METHOD USED TO MEASURE PUMPING RATE Bucket	
WATER LEVEL (distance from land surface)	
BEFORE PUMPING 28	
WHEN PUMPING 185	
TYPE OF PUMP USED (for test)	
☒ air	☐ piston ☐ turbine
☐ centrifugal	☐ rotary ☐ other (describe below)
☐ jet	☐ submersible

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) ☐ YES ☒ NO	
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	2 (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)	
Property Line DRY HOLE well Road 36' 36'	

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 THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "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. 225	
DRILLERS SIGNATURE Ronald Osborn	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Ronald Osborn	
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)	

B 1 1215 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER HO-73-4110 fill in this form completely
Date Received 2/10/82 (OEP Use Only)		LOCATION OF WELL COUNTY HOWARD SUBDIVISION TALBOT LAST SL. FT. SECTION 23 LOT II NEAREST TOWN ELLICOTT CITY MILES FROM TOWN (enter 0 if in town) 4	
OWNER INFORMATION Last Name ROMALO Owner ROMALO 34 Name Street or RFD 6 GRAND BANK RD. Town COLUMBIA State MD Zip 21044		DRILLER INFORMATION Driller's Name Ralph MAYNE 77 License No. 80 Firm Name Box 9120 Mt. Airy Md. Address Ralph Mayne 11/12/82 Signature _____ Date _____	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 1/4 DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) MI	
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)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. _____ 2. _____ 3. _____ WRITE THE BOX NUMBER FROM THE MAP HERE E 8605 N 5006	
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
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 _____		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME HOWARD COUNTY NO. A30756 OEP SIGNATURE Frank Skinner STATE HEALTH CIRCLE BOX ☒ DATE ISSUED 2/10/82 CO SIGNATURE Frank Skinner NORTH GRID 506 EAST GRID 0865 EXPIRES 072582	
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) _____		SPECIAL CONDITIONS 8-63 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 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE ES WRITE INITIALS IN BOX ES PERMIT NO. HO-73-4110		SPECIAL CONDITIONS 8-63 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 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	



This is to certify that I have surveyed the property shown hereon for the purpose of locating the improvements thereon, being the same property conveyed by Howard Associates to Ronald Osborne by deed dated February 8, 1981 and recorded among the land records of Howard County, Maryland in Liber 1082 at Folio 316.

J. Carl Hudgins
J. Carl Hudgins PLS #96

LOCATION SURVEY
5077 ILLCHESTER ROAD
1ST ELECTION DISTRICT
HOWARD COUNTY, MD.
SCALE 1"=100' DATE 6/6/84

General Notes

1. ALL PROPERTY INFORMATION IS BASED UPON PLAT & SURVEY AS PREPARED BY:
THE REA GROUP
WILDE LAKE VILLAGE GREEN, SUITE 207
COLUMBIA, MD 21044
2. LOCATION OF EXISTING SEPTIC RESERVATION SHOWN AND EXISTING "PERK" HOLES SHOWN ARE BASED UPON PERCOLATION TESTING CONDUCTED BY:
NTT ASSOCIATES
SUITE 307, CLARK BUILDING
COLUMBIA, MD 21044
3. EXISTING CONTOUR & NEW GRADING SHOWN ARE BASED UPON AERIAL PHOTOGRAPHIC TOPOGRAPHICAL MAPS AND ARE APPROXIMATE

REVISED 7 May 1984

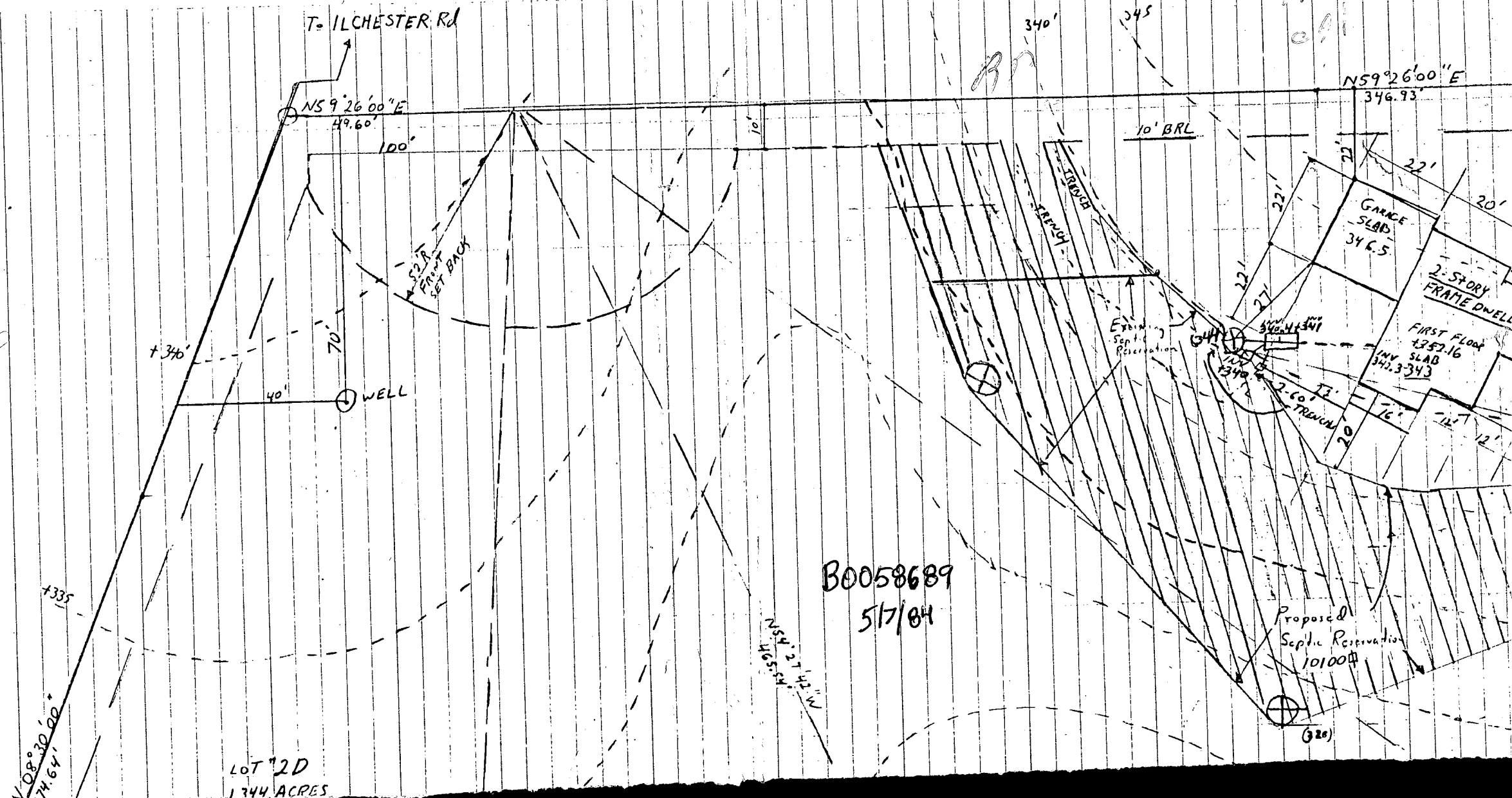
SITE PLAN

A NEW RESIDENCE FOR:
RONALD OSBORN & JUDITH CHATFIELD
PARCEL NUMBER 2 TALBOT'S LAST SHIFT
HOWARD COUNTY, MARYLAND

PERMIT SERIAL #58689

LOT 3

LOT 2D
1.344 ACRES



B0058689
5/7/84