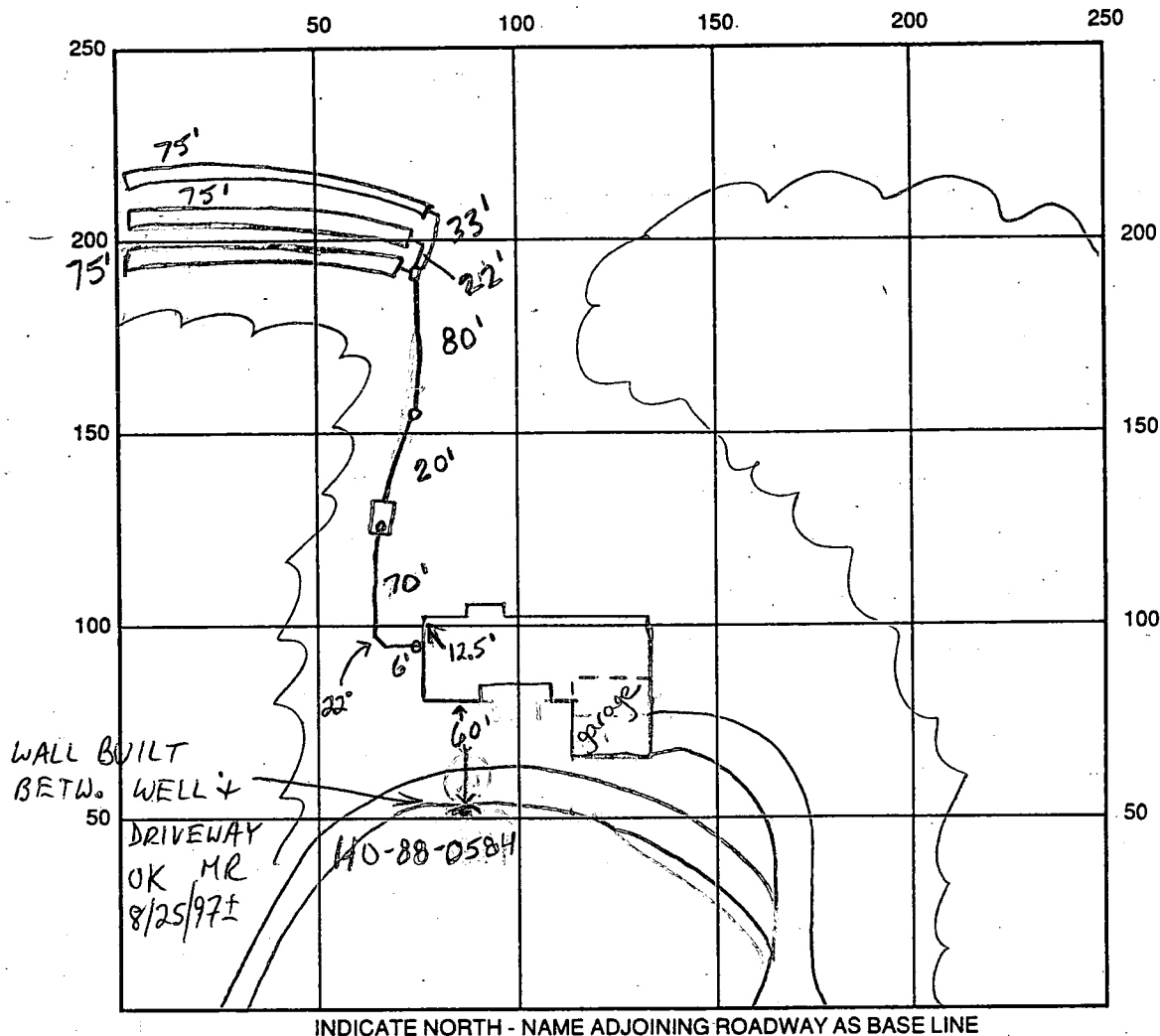


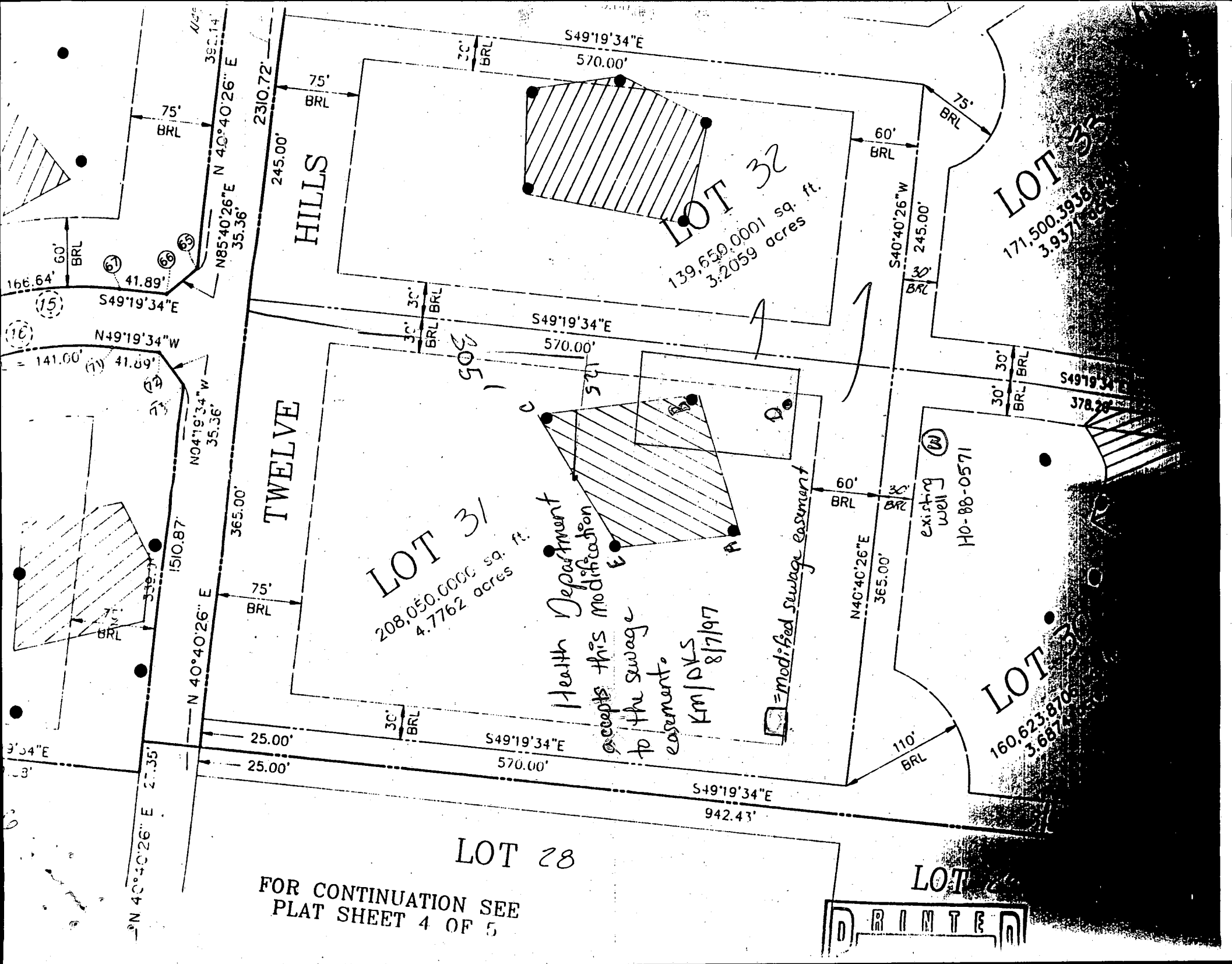
A 39920



SEPTIC TANK LEVEL OK CLEANOUTS 1 at house, 1 on tank, 1 on line  
 DISTRIBUTION BOX LEVEL OK, kaffle in between tank + distribution box  
 DRAIN FIELD/TITLE DEPTH 7.0 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 3.0 FT.  
 EFFECTIVE GRAVEL DEPTH 4.0 FT. TOTAL LENGTH 3x75 FT. → 225  
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 900 SQ. FT.  
 DRYWALL INSIDE DIAMETER        FT. EFFECTIVE DEPTH BELOW INLET        FT.  
 ABSORBENT AREA        SQ. FT.

REMARKS: 8/7/97 ok to cover trenches, leave ends open, will leave  
absorbent area, has house connection (KM)  
8/9/97 ok to cover all work (KM)

WELL 2' FROM DRIVE (NOT PER PLAN)  
8/12/97 WPI OK TO COVER 4' B.G. @ WELL 2' B.G. @ HOUSE (MR)  
 DATE SYSTEM APPROVED 8/9/97 INSPECTOR Kim Maisto



LOT 28

P/O LOT 29

P/O LOT 30

N 49°19'34"W

570

Approved Septic System Plan  
Howard County Health Department  
B00101739

*Mark E. Affken*  
Signature

9/3/96  
Date

LOT 31  
4.7762 Ac.±

A 39920

NEW ACCEPTED  
EASEMENT

S 40°40'26"W

365.00'

S 49°19'34"E

305' DISTRIBUTION

EX. TREES

450

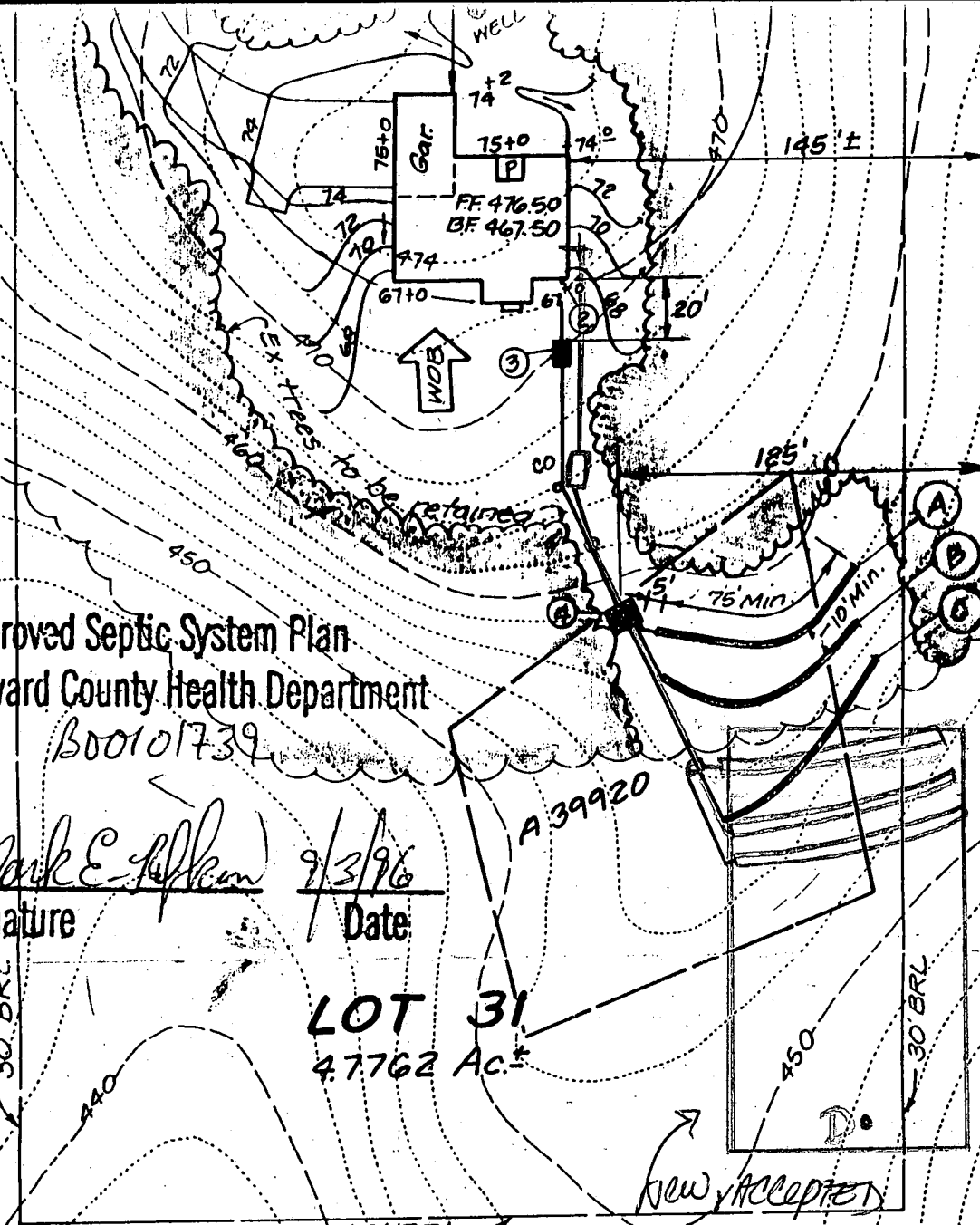
D  
or / red /  
br clay  
loam  
tan / or  
silty /  
sand  
loam  
10% shale

30.5

11.5

LOT 32

EX. TREES  
450



# APPLICATION

PERCOLATION TESTING

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

9-3-87 Percs ok  
pending plat approval JEN

A 39920

P \_\_\_\_\_

DISTRICT SCH

DATE 8-19-87

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 Alfred Busster Nantucket Island Homes, Inc

ADDRESS 4994 Shepherd Lane PHONE 531-2193

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE 31 Final

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec III LOT NO. 28 20

ROAD AND DESCRIPTION 13026 10576 Twelve Hills Road  
Linden Church Rd

TAX MAP 28 PARCEL # 49 BLDG. PERMIT SIGNED AND RETURNED 9/3/94

SIZE OF LOT 3 acres TYPE BLDG. SFD  
(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. Mal D. Kim  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 9-3-87 for perc hole location and subdivision plat  
approval. Can move hole B 10 ft away and 5 ft to right of septic field  
to obtain 10,000 sq ft. JEN

## THIS IS NOT A PERMIT

Highest C  
B  
E  
Lowest DA

A 39920

(A)

(B) SOIL PROFILE

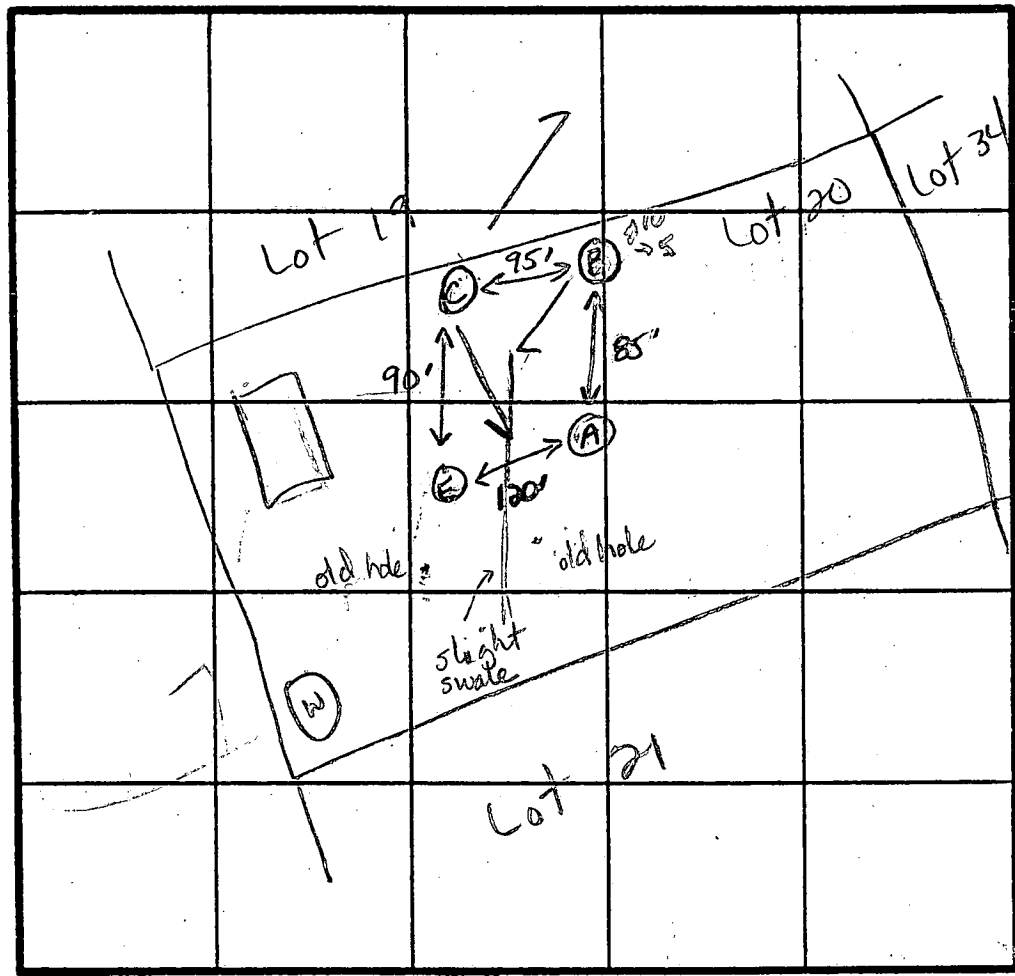
0-4 Tan sa  
si cl 1m  
4-6.5 Tan sa  
si 1m  
6.5-11.5 Brown  
sa si  
1m, trc  
broken  
rock  
frags  
L 20%  
11.5 Bottom

0-3.5 Tan to  
white  
sa si  
loam,  
trc of  
mica  
3.5-12.5 Brown  
sandy  
silt  
12.5 Bottom

Start at C.  
Run trenches  
toward Es B

X Perc 5 min  
160 pba

INLET 3'  
BOTTOM 7'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(D)  
0-4 Br sa si  
cl 1m

4-12 Tan - white  
sa si  
1m, trc  
decomposed  
granite  
12.0 Bottom

(E)  
0-2.5 Brown sa  
silty 1m  
2.5-11.5 Tan sa si  
loam  
11.5 Bottom

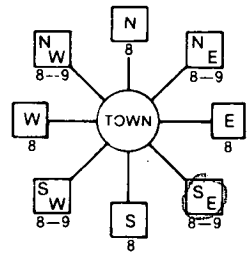
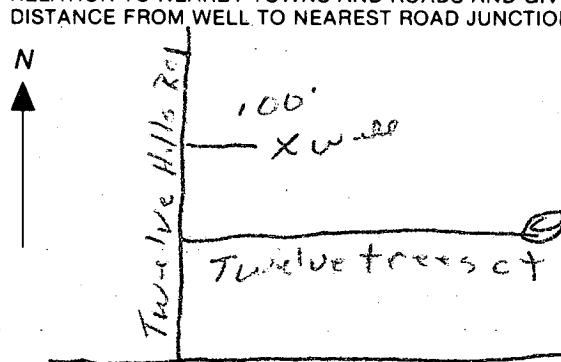
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-3-81	B	3.5 S	2:13	2:15	2:15	2:18	3
		6.5 M	2:13	2:16	2:16	2:18	2
		11.5 D	Bottom (see profile)				
	C	12.0 V	(see profile)				
	E	2.5 S	2:25	2:29	2:29	2:41	12
		11.5 D	Bottom (see profile)				
	A	3.0 S	2:45	2:47	2:47	2:50	3
		12.5 D	Bottom (see profile)				

REMARKS Holes B & C as located on plat. Others were moved downslope to

TYPE OF SOIL 0-4 Br sa si cl 1m, 4-12 Tan to white sa si 1m

TESTED BY JE Nadeau ALSO PRESENT Olenk, Mark W.

EH 12-1079

B 1 <b>6832</b> <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (DP USE ONLY) 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	STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <b>HO-88-0584</b> <small>fill in this form completely</small>
Date Received (APA) <b>121688</b> OWNER INFORMATION <b>ALTOGETHER LTD PART</b> 15 Last Name Owner First Name 34 <b>10176-EALT NAT PIKE</b> 36 Street or RFD 55 <b>ELLICOTT CITY MD 21043</b> 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL 1 2 <b>HOWARD</b> 8 COUNTY 21 <b>TWELVE HILLS</b> 23 SUBDIVISION 42 SECTION <b>3</b> 46 LOT <b>131</b> 48 50 <b>DAYTON</b> 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) <b>1</b> 73 76 77 78	
DRILLER INFORMATION <b>Frank Delph</b> Driller's Name 77 License No. 80 <b>453</b> <b>Frank Delph Well Drillers Inc.</b> Firm Name <b>18234 Penn Ship Rd. DH Army Md.</b> Address <b>Frank D. Delph</b> Signature 17/14/88 Date		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  3 NEAR WHAT ROAD <b>Twelve Hills Rd</b> 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W 32 EAST E SOUTH S 34 <b>180</b> 37 DISTANCE FROM ROAD ENTER FT or MI <b>F 7</b> 38 39	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b> 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>500</b> 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>HOWARD</b> COUNTY NAME <b>A#39920</b> COUNTY NO. STATE SIGNATURE _____ INSERT S DATE ISSUED <b>11/8/89</b> 43 48 50 SIGNATURE <b>Rene E. Nadeau</b> 11/8/89 NORTH GRID <b>5111000</b> 50 55 EAST GRID <b>0011000</b> 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		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 811 E <b>511</b> 511 N <b>511</b> 000 000 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  100' X well Twelve Hills Rd Twelve Trees Ct Linden Church Rd	
APPROXIMATE DEPTH OF WELL <b>200</b> 24 28 FEET APPROXIMATE DIAMETER OF WELL <b>6</b> NEAREST INCH		METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion <b>ROTARY (Hydraulic Rotary)</b> 37 CABLE REVERSE-ROTary Drive-POINT other _____	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ GAP _____ 54 63 FORCE <b>1N</b> WRITE INITIALS IN BOX 67 68 PERMIT NO. <b>HO-88-0584</b> 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS			

C1	6709	SEQUENCE NO. (DENV USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
					10-00-0589	
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			COUNTY NUMBER			
			F 39920			
DATE Received		DATE WELL COMPLETED		Depth of Well		
8 13		080381		22 105 26 (TO NEAREST FOOT)		

OWNER	ALTOGETHER LTD. PART				
STREET OR RFD	last name	TWELVE HILLS RD.		first name	TOWN
SUBDIVISION	TWELVE HILLS		SECTION	3	LOT
				B31	

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Shale	2	10	
Sandstone	10	15	
Mika	15	40	
Sandstone	40	45	✓
Mika	45	60	
Sandstone	60	70	✓
Mika	70	105	

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	
Shale 2 10	
Sandstone 10 15	
Mika 15 40	
Sandstone 40 45 ✓	
Mika 45 60	
Sandstone 60 70 ✓	
Mika 70 105	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT	BENTONITE CLAY
CM	BC
NO. OF BAGS	NO. OF POUNDS
6	600
GALLONS OF WATER	
36	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 24 ft.	
(enter 0 if from surface)	

CASING RECORD		
casing types insert appropriate code below		
ST	CO	
PL	OT	
STEEL	CONCRETE	
PLASTIC	OTHER	
MAIN CASING TYPE		
Nominal diameter top (main) casing (nearest inch)		
Total depth of main casing (nearest foot)		
PL	6	26
60	61	66

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

PUMPING TEST		
HOURS PUMPED (nearest hour)		
3		
PUMPING RATE (gal. per min. to nearest gal.)		
8		
METHOD USED TO MEASURE PUMPING RATE		
Bucket		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING		
35		
WHEN PUMPING		
35		
TYPE OF PUMP USED (for test)		
A	P	T
air	piston	turbine
C	R	O
centrifugal	rotary	other (describe below)
J	S	
jet	submersible	

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 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. 453	
DRILLERS SIGNATURE	
(MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

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.)		
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		
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		
DENV USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
T	(E.R.O.S.)	WQ
70	72	74 75 76
TELESCOPE CASING	LOG INDICATOR	OTHER DATA

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)	

COUNTY



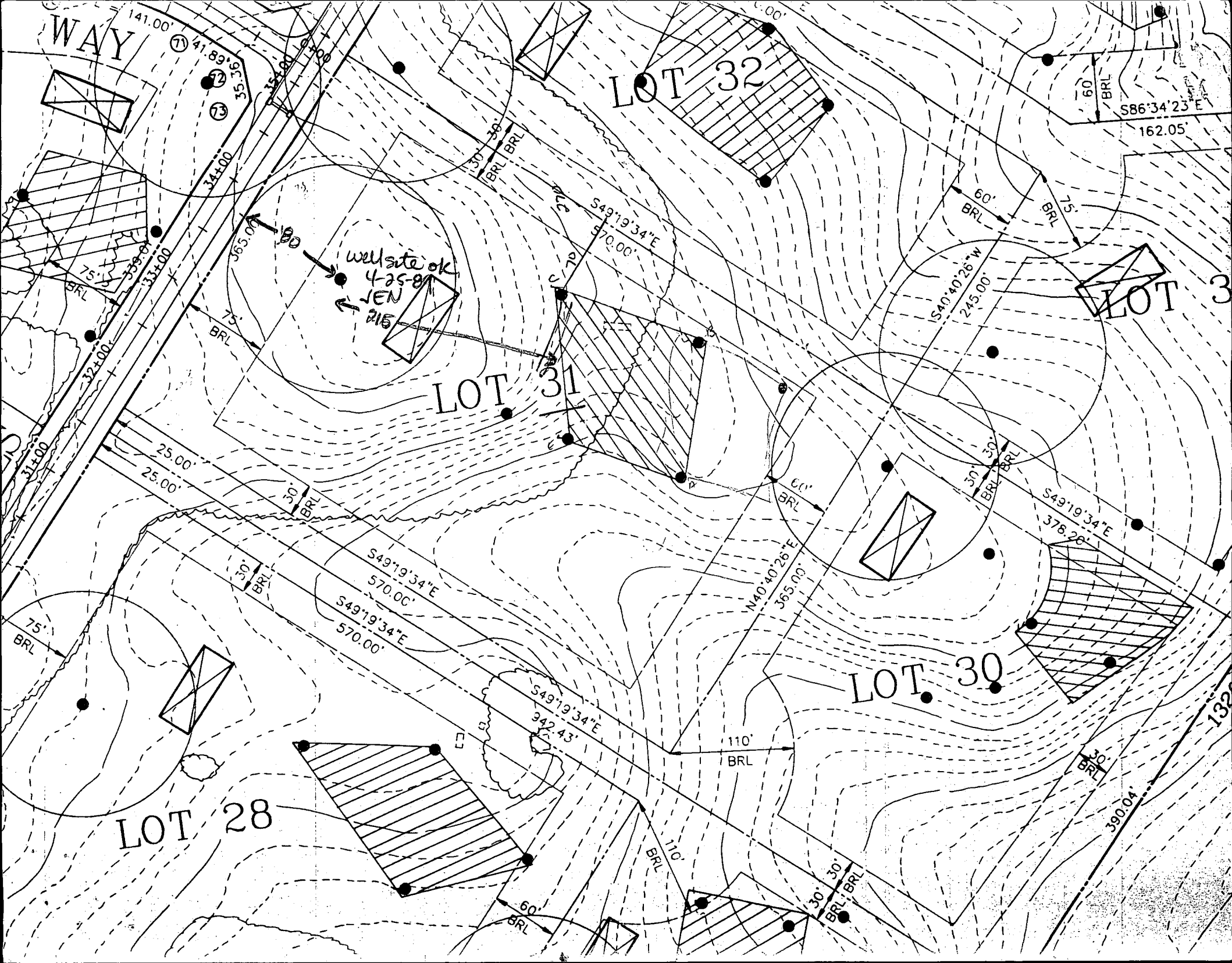
Well Permit No. HO - 88-0584  
Location of property (road) TWELVE HILLS RD.  
Subdivision TWELVE HILLS Lot 314 Block - Plat - Sec. 3  
Well Driller FRANK DELPH Owner ALTOGETHER LTD. PART.

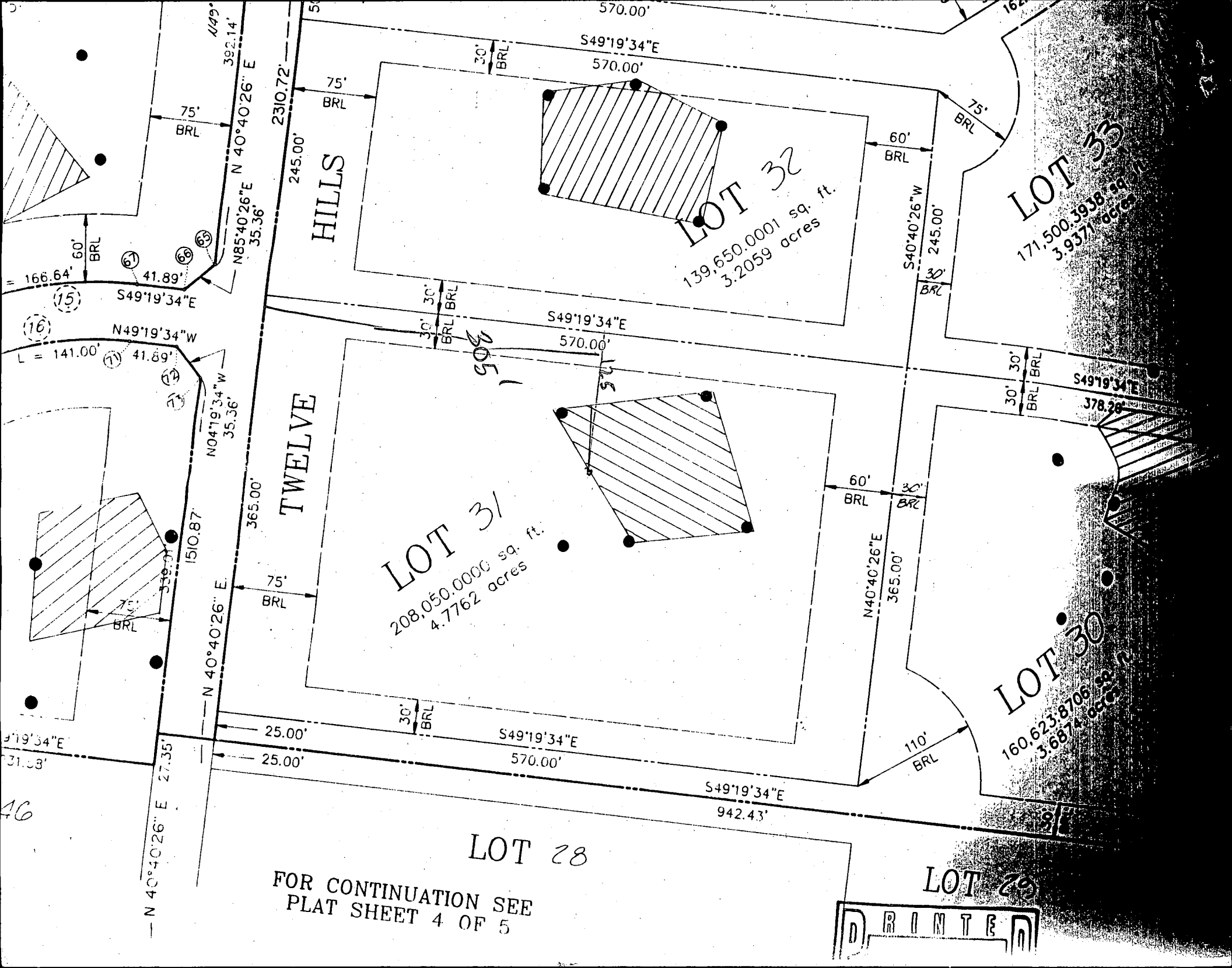
Depth of well 105'  
Distance of measuring point (M.P.) above ground 4'  
Static water level (S.W.L.) below M.P. 35'

Time pump started 6:00 Pumping rate 25 G.P.M.  
Total time 15 min to reach pumping water level 35' ft. below M.P.

[illegible]

26' PL 24 open 6 Bags





HILLS

TWELVE

LOT 31  
208,050.0000 sq. ft.  
4.7762 acres

LOT 32  
139,650.0001 sq. ft.  
3.2059 acres

LOT 30  
160,623.8706 sq. ft.  
3.6874 acres

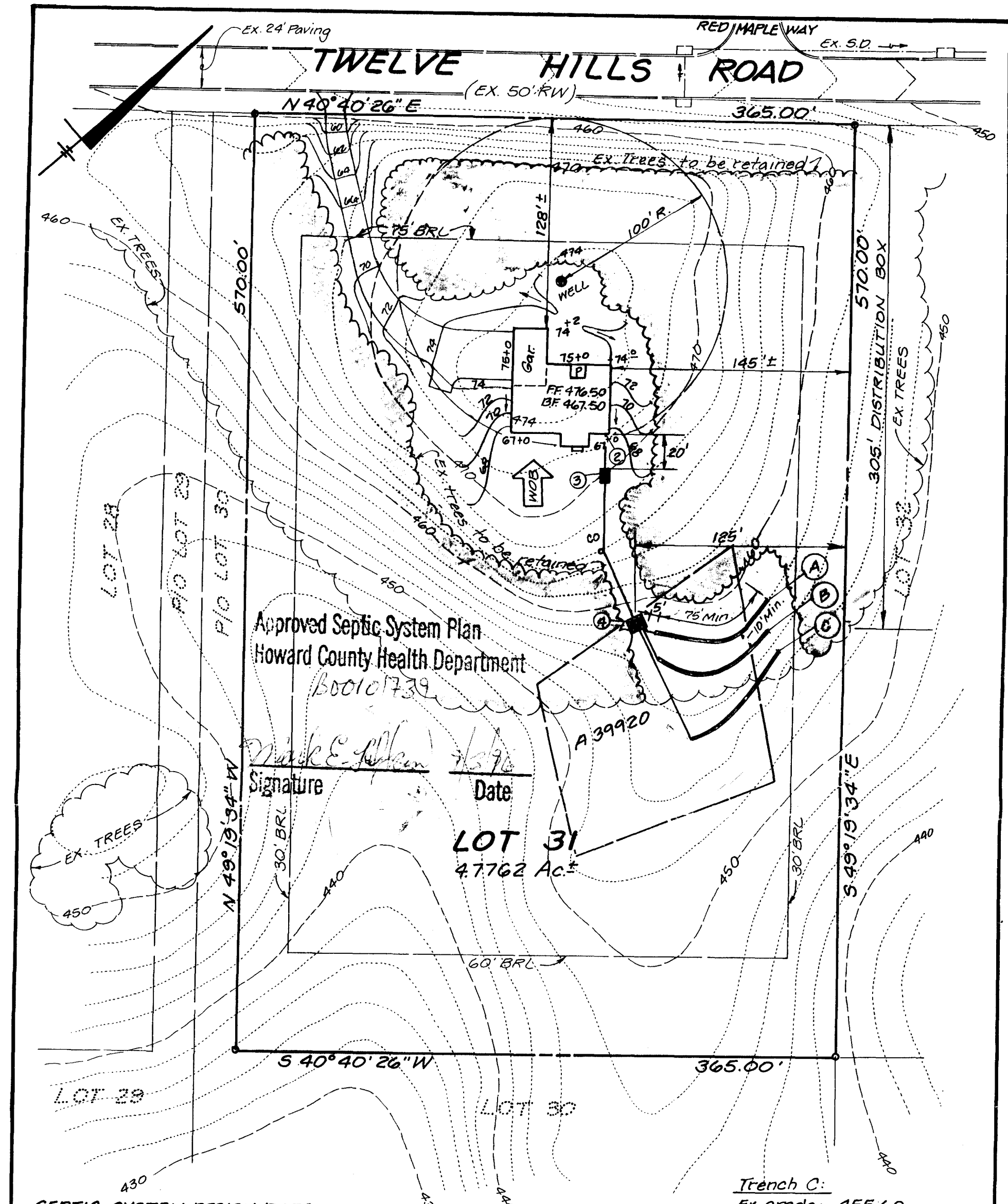
LOT 33  
171,500.3938 sq. ft.  
3.9371 acres

LOT 28

LOT 29

FOR CONTINUATION SEE  
PLAT SHEET 4 OF 5

D R I N T E D

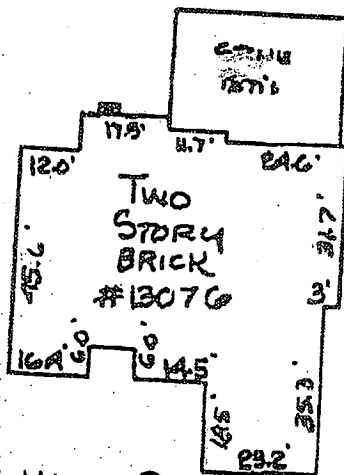


<b>LDE, Inc.</b> 9250 Rumsey Road, Suite 106 Columbia, Maryland (410)715-1070 - (301)596-3424 - Fax(410)715-9540		<b>PLOT PLAN</b> <b>LOT 31 TWELVE HILLS</b> 5 <sup>th</sup> Elect. Dist Section 3 Howard County, MD	
Date: July 1996		Drawn: KBW	
Scale: 1" = 60'		LDE Job No. 96-042	Sheet: 1 of 1

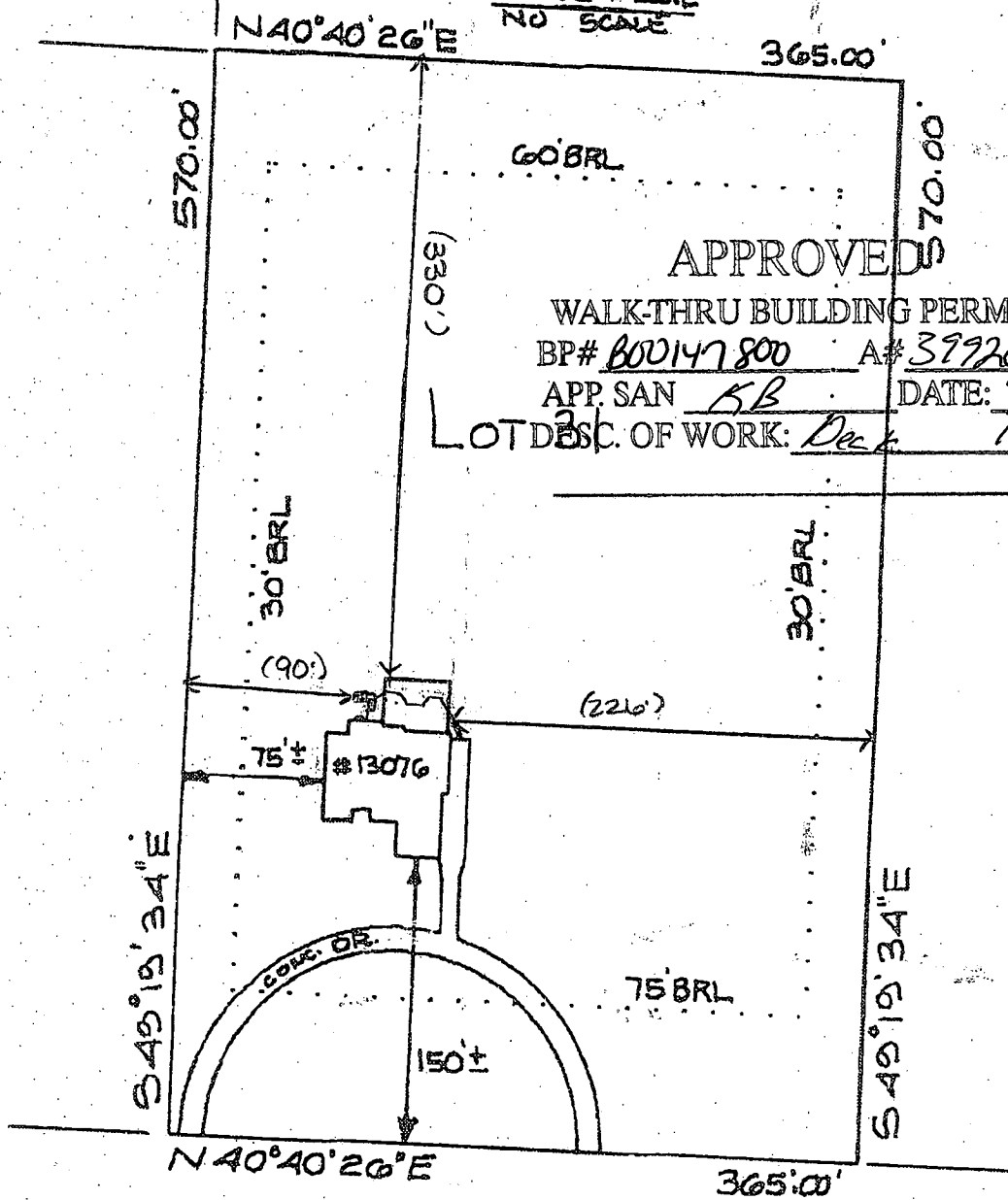
THIS IS A BENEFIT TO A CONSUMER INsofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing or re-financing.  
2. THIS PLAN IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.  
3. THIS PLAN DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.

13076 TWELVE HILLS ROAD  
LOT: 31  
SECTION: 3  
TWELVE HILLS  
HOWARD COUNTY  
MARYLAND

THIS PROPERTY IS LOCATED  
IN ZONE C (AREA OUTSIDE  
THE 100 YEAR FLOOD ZONE)  
HAZARD MAP.



HOUSE DEPT.  
NO SCALE



TWELVE HILLS RD.

HOUSE LOCATION DRAWING

### SURVEYOR'S CERTIFICATION

WE HEREBY CERTIFY THAT THE PROPERTY LOCATED HEREON IS IN ACCORDANCE WITH THE PLAT OF SUBDIVISION AND RECORD AND THAT THE IMPROVEMENTS SHOWN WERE LOCATED USING ACCEPTED FIELD PRACTICES. THIS HOUSE LOCATION SURVEY IS NOT FOR DETERMINING PROPERTY LINES. A TITLE REPORT WAS FURNISHED TO THIS SURVEYOR AND LOT CORNERS HAVE NOT BEEN SET BY THIS SURVEY.



### SURVEY ASSOCIATES #1

CONSULTING LAND SURVEYORS AND PLANNERS  
9890 LYON AVENUE  
LAUREL, MARYLAND 20723

(301) 208-6470

FAX (301) 970-2514

SCALE 1" = 100'	DWG. BY GEL	CASE No. 03141
DRAWN BY 4068	ELECTION DISTRICT 05	COUNTY HOWARD
FIELD 345		DATE 12/02/03
PLAT BOOK PLAT NO. 8547		