

6/6/90 AM
6/18/90 AM
7/6/90 - 2-3PM

File

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

P 45921

A 39927

DISTRICT 5th

DATE 5/14/90

DATE SYSTEM APPROVED 7/6/90

INSPECTOR C.B.S.

INDEXED

Leonard Moxley

IS PERMITTED TO INSTALL X ALTER

ADDRESS 28721 Kemptown Road, Damascus, Maryland 20750 PHONE 253-3241

SUBDIVISION Twelve Hills, Section III ROAD 13046 Twelve Hills Road LOT 26

PROPERTY OWNER Tattrie & Levy Ralph + JEAN SERGOTT

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 25%

GARBAGE GRINDER YES

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 235 feet from the front lot line and 135 feet from the left lot line. Run trenches along contour in both directions.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/CW

PLANS APPROVED BY C. Williams jr DATE 5/09/90 REVISED

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

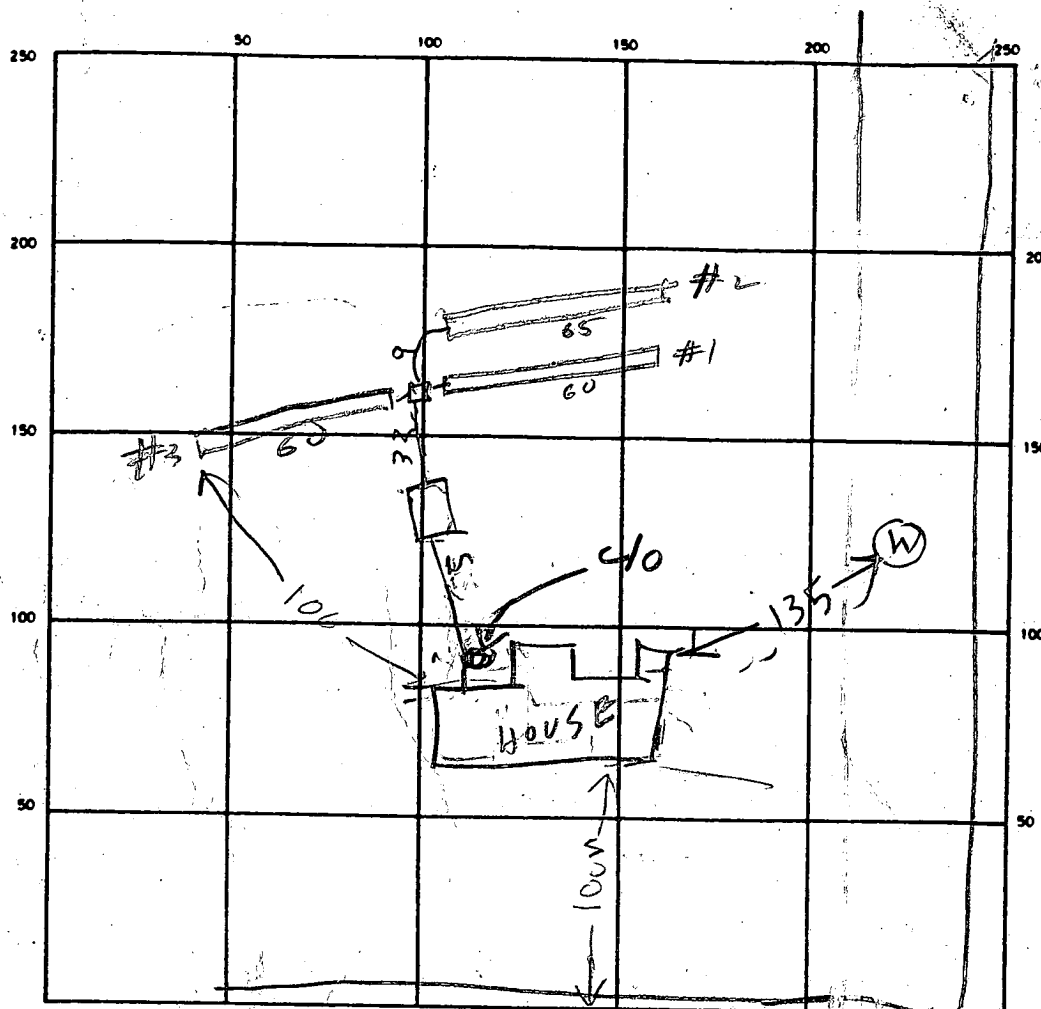
SEWER PERMIT SIGNED
AND RETURNED 5/17/90

Serial # 48521-in ground pot

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 39927



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
TWELVE HILLS RD

SEPTIC TANK. LEVEL OK 1250

CLEANOUTS ST HOUSE SEWER
AO OK

DISTRIBUTION BOX. LEVEL

7/6/90 OK

DRAIN FIELD/TILE FIELD. DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 60 65 60 FT. 185

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 740 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 6/6/90 - ADD STONE TO TRENCHES & HOOK UP TANK

6/14/90 - STONE ADDED TO TRENCHES. TANK BOX

HOUSE HOOKED UP. PUT CLEANOUT ON TANK

& CALL OK TO COVER TRENCHES & HOUSE

SEWER R/H 6/18/90 - PUT STAND PIPE ON TANK & CALL

LEFT DUPLICATE PERMIT SIGN R/H; 7/6/90 C.O. ON TANK & Final

DATE SYSTEM APPROVED 7/6/90 INSPECTOR Charles Bryan C.B.

APPLICATION

PERCOLATION TESTING

A 39927

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 5TH

DATE 8-19-87

9-16-87
Perco ok pending
plat application JEN.

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 ~~AT Fred Barslow~~ TARRIE & LEUG

ADDRESS 4994 Shepherd Lane PHONE 531-2193

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE Final 26

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec III LOT NO. LOT 2 Preliminary
35 new
89

ROAD AND DESCRIPTION Linden Church Rd 13046 Twelve Hill Rd.

TAX MAP 28 PARCEL # 49

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. Kinn
(SIGNATURE OF APPLICANT)

APPROVED BY Sidell FOR Dupluch DATE 6-2-87

REJECTED BY _____ FOR LOG. PERMIT SIGNED
AND RETURNED 6-2-87 DATE BP 26527

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING 9-16-87 for subdivision plat approval & perc
hole locations. To obtain 10000 sq ft, move 30 ft toward
lot 24 keeping 100 ft from Lot 30 well. JEN

THIS IS NOT A PERMIT

A 39927

High B

C

A

Low D

(B)

SOIL PROFILE

0-4.5 Red-brown
si cl, trc
mca

4.5-11 Brown
micaceous
sandy
silt

11.0 Bottom

(C)

0-4.5 Red brown
si cl, trc
of mca

4.5-11.0 Brown
micaceous
sandy
silt

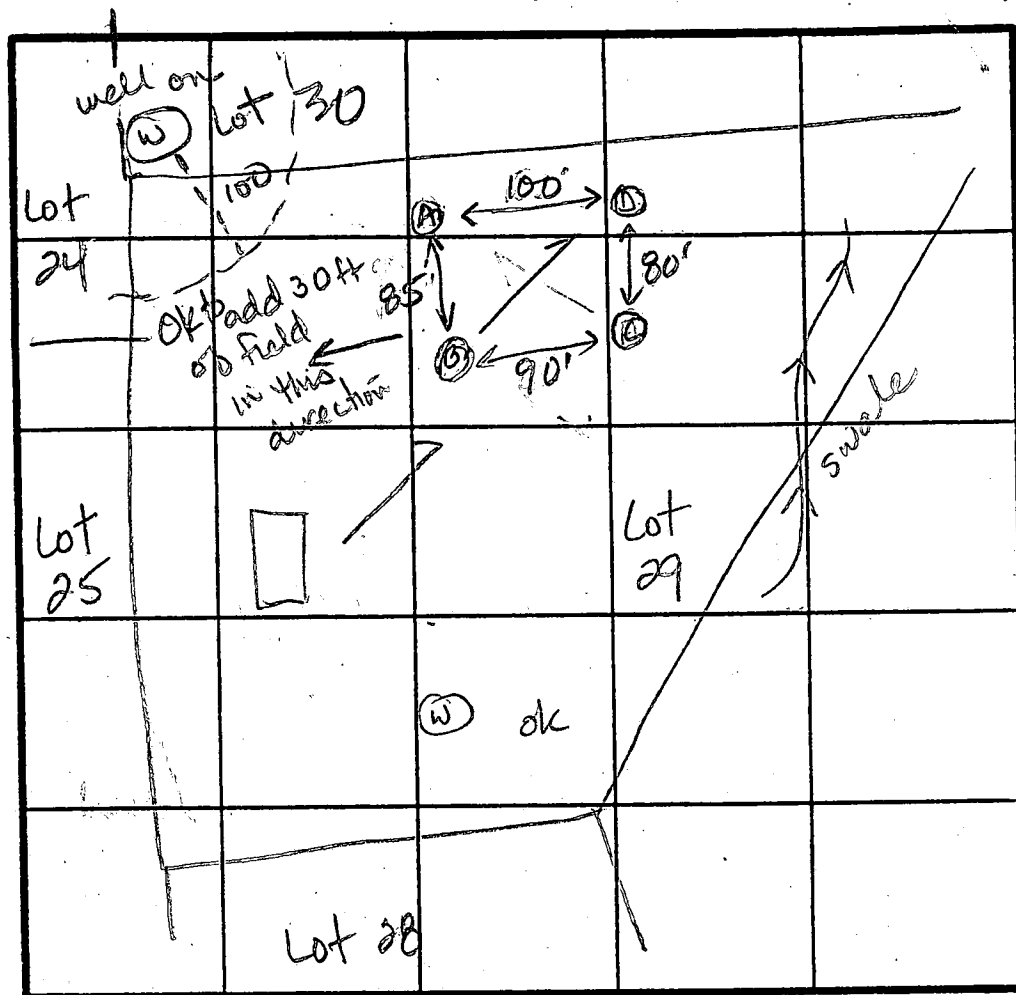
11.0 Bottom

(D)

0-4.5 Red brown
si clay

4.5-11.5 Brown
micaceous
sa silt,
< 5%
saprolite

11.5 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0-3.5 Red-brown
sa si cl

3.5-12 Brown
micaceous
sandy
silt 25%
saprolite

12.0 Bottom

X Perc 2 min

160 #/BA

Inlet 3'

Bottom 7.0'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-16-87	B	4.5 S	12:53	12:55	12:55	12:57	2
		11.0 D	Bottom (see profile)				
	C	4.5 S	12:56	12:58	12:58	1:00	2
		7.0 M	12:56	12:58	12:58	1:00	2
		11.0 D	Bottom (see profile)				
	D	3.0 S	1:03	1:05	1:05	1:07	2
		11.5 D	Bottom (see profile)				
	A	5.5 S	1:12	1:15	1:15	1:17	2
		12.0 D	(see profile)				

REMARKS

Holes shown as on plat. Maintain 100 ft from Lot 30 well.
to obtain 10,000 sq ft. Can move 30 ft toward Lot 24.

TYPE OF SOIL

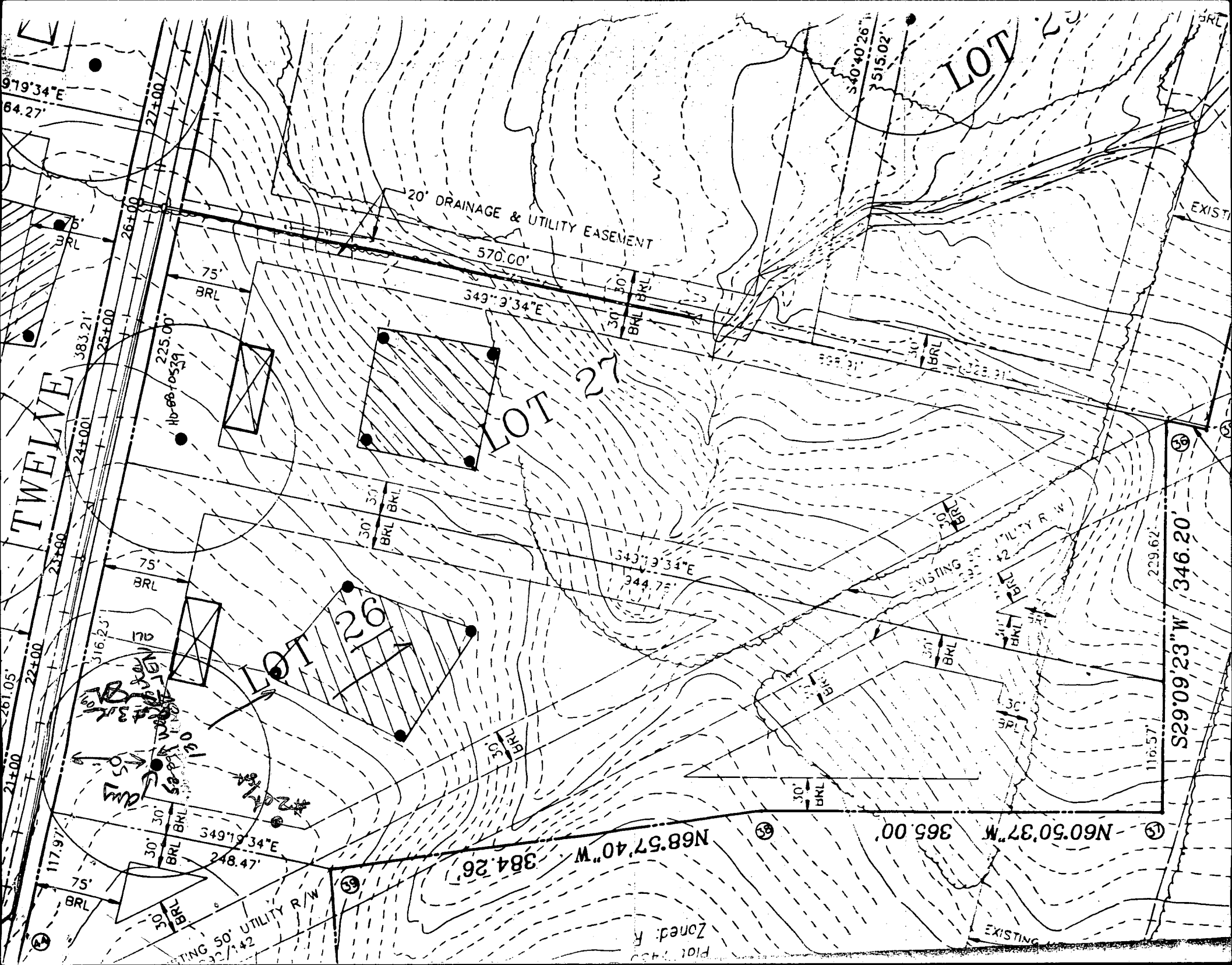
0-4 Red-brown si clay 4-12 Brown micaceous sa silt

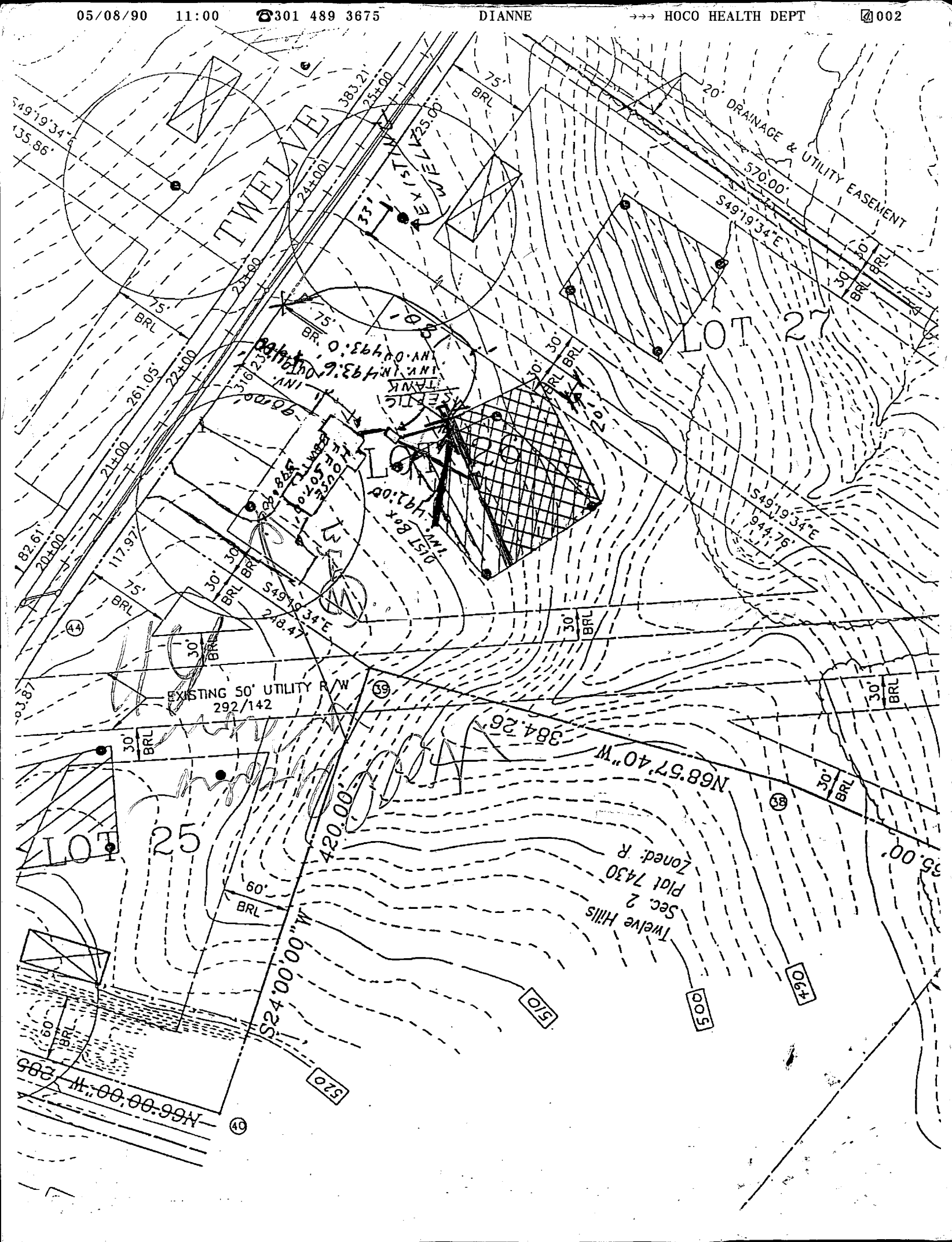
TESTED BY

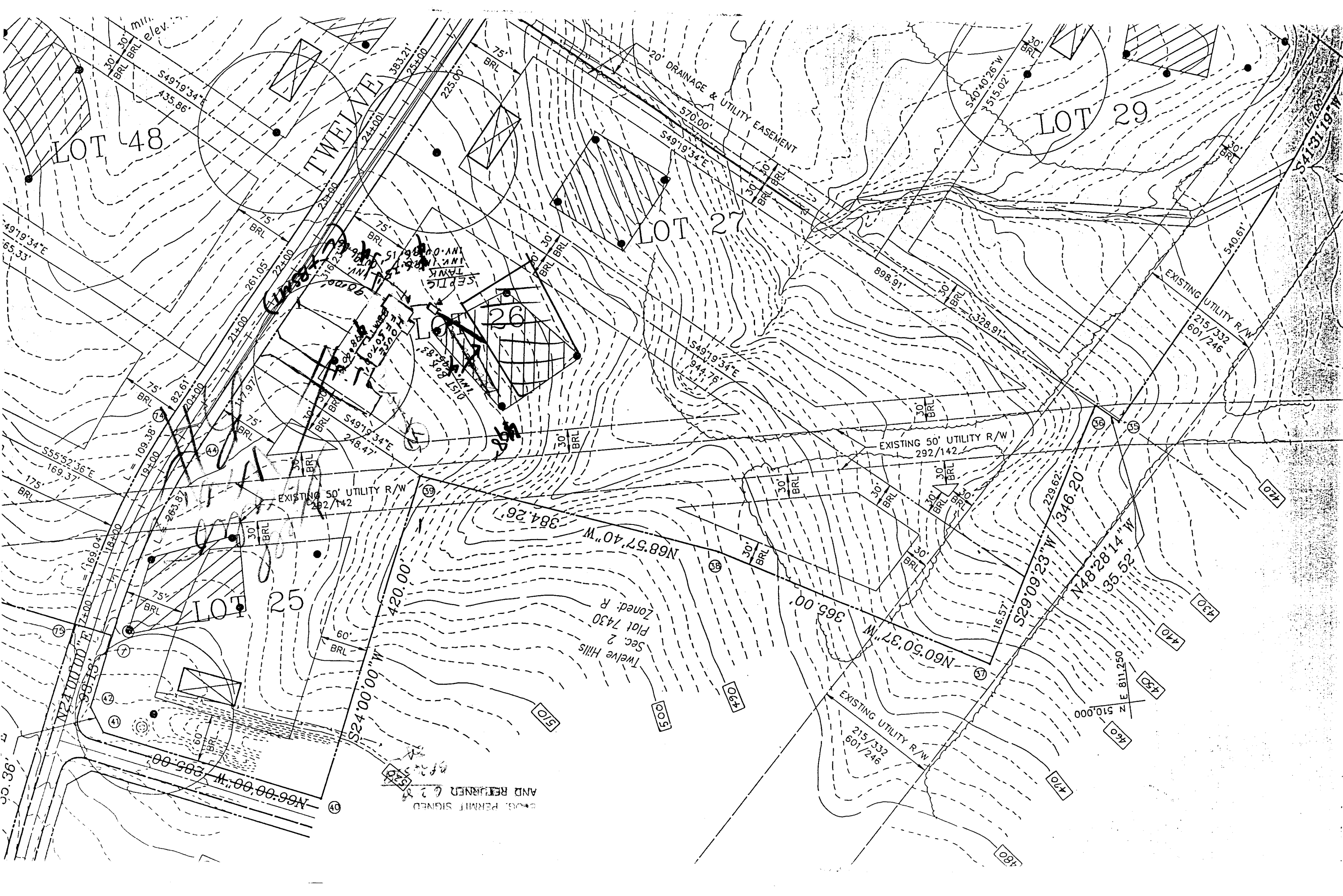
JE Nadeau

ALSO PRESENT

Dane, Mark R.







LOT 48

LOT 29

LOT 27

LOT 26

LOT 25

TWELVE HILLS

EXISTING 50' UTILITY R/W
292/142

EXISTING 50' UTILITY R/W
292/142

EXISTING UTILITY R/W
215/332
601/246

EXISTING UTILITY R/W
215/332
601/246

Twelve Hills
Sec. 2
Plat 7430
Zoned: R

COPIES, PERMIT SIGNED
AND RETURNED 6-2-87

SETBACKS:

REAR PL.	50'
SIDE PL.	30'
HOUSE	10'
SEPTIC	20'
WELL	10'

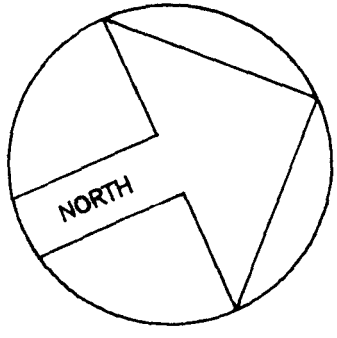
60" HIGH WOOD PICKETT
FENCE (BY OWNER
AS PER CODE)

24'x40' SWIMMING POOL

NOTE: A VACUUM
BREAKER WILL BE
INSTALLED ON JOB
AS PER CODE.

EX WELL

PRIVATE WELL
& SEPTIC

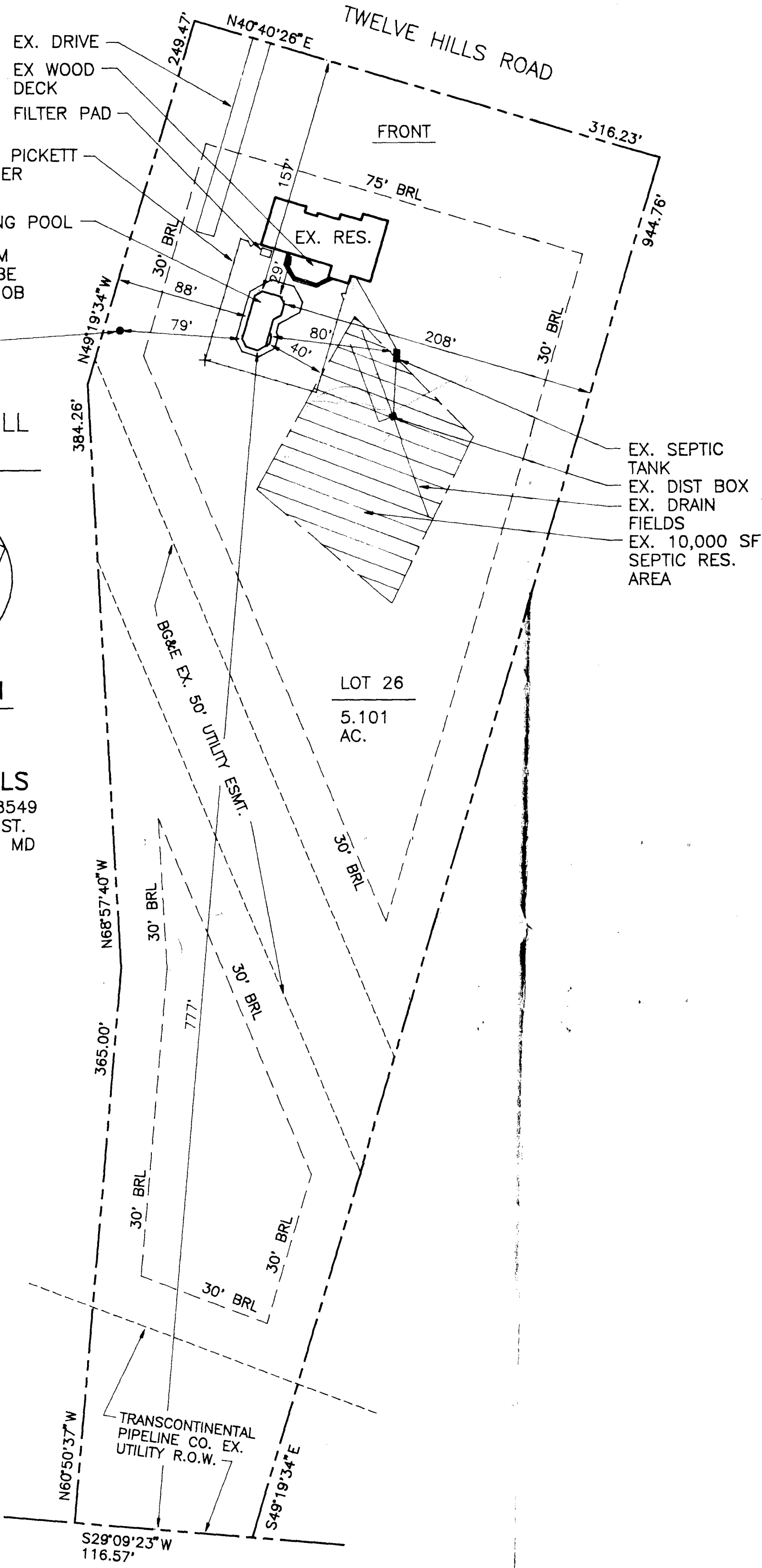


SITE PLAN

1" = 60'
LOT 26

TWELVE HILLS

SECTION 3 PLAT 8549
5TH ELECTION DIST.
HOWARD COUNTY, MD



B 1	6827	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">H0-88-0602</div> <small>fill in this form completely</small>
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				
Date Received (APA) <div style="border: 1px solid black; padding: 2px; display: inline-block;">127188</div>		LOCATION OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">HOWARD</div>		
OWNER INFORMATION				
<div style="border: 1px solid black; padding: 2px; display: inline-block;">ALTOGETHER LTD PART</div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">T W E L V E H I L L S</div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">10176 EALT NAT PIKE</div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">SECTION 3 LOT 26</div>		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">ELLICOTT CITY MD 21043</div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">DAYTON</div>		
DRILLER INFORMATION		MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 MI</div>		
Driller's Name <u>Frank Delph</u> Firm Name <u>Frank Delph Well Drillers Inc.</u> Address <u>18234 Penn Shop Rd. Mt. Airy Md.</u> Signature <u>Frank Delph</u> Date <u>12/14/85</u>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 		
WELL INFORMATION		NEAR WHAT ROAD <u>Twelve Hills Rd</u> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 		
APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px; display: inline-block;">5</div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px; display: inline-block;">500</div>		DISTANCE FROM ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">50</div> ENTER FT or MI <div style="border: 1px solid black; padding: 2px; display: inline-block;">FT</div>		
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>HOWARD</u> COUNTY NAME <u>8-39927</u> COUNTY NO. STATE SIGNATURE _____ INSERT S _____ DATE ISSUED <u>051089</u> <u>Gene E. Haden</u> 11/10/89 NORTH GRID <u>510000</u> EAST GRID <u>526000</u>		
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">200</div> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <u>well</u> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">810 E <u>510</u></div> <div style="border: 1px solid black; padding: 2px;">510 N <u>510</u></div> </div>		
METHOD OF DRILLING (circle one). BORED (or Augered) <input type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input type="radio"/> 30- AIR-ROTary AIR-PERCussion <input checked="" type="radio"/> ROTARY (Hydraulic Rotary) 37- CABLE REVERSE-ROTary Drive-POINT other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 		
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39- <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="border: 1px solid black; padding: 2px; display: inline-block;">41</div>				
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">54</div> G A P <div style="border: 1px solid black; padding: 2px; display: inline-block;">63</div> FORCE <div style="border: 1px solid black; padding: 2px; display: inline-block;">JN</div> WRITE INITIALS IN BOX PERMIT No. <u>H0-88-0602</u> <div style="font-size: 8pt;">67 68 70 71 72 73 74 75 76 77 78 79</div>				
SPECIAL CONDITIONS				

C1 6707 SEQUENCE NO. (DENV USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A 39927

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

15 20

22 26
(TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37

OWNER ALTOGETHER LTD PART.
STREET OR RFD TWELVE HILLS RD TOWN DAYTON
SUBDIVISION TWELVE HILLS SECTION 3 LOT 26

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 25
Mika 25 45
Sandstone 45 50
Mika 50 190
Sandstone 190 195
Mika 195 325

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 7 NO. OF POUNDS 700

GALLONS OF WATER 42

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 32 ft.
(enter 0 if from surface)

casing
types
insert
appropriate
code
below

CASING RECORD

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHER

MAIN Casing Nominal diameter Total depth
TYPE top (main) casing of main casing
(nearest inch) (nearest foot)

PL H 35
60 61 63 64 66 70

OTHER CASING (if used)

diameter depth (feet)
inch from to

EACH CASING

screen type
or open hole
insert
appropriate
code
below

SCREEN RECORD

ST BR HO
STEEL BRASS OPEN
BRONZE HOLE
PL OT
PLASTIC OTHER

C2

DEPTH (nearest ft.)

EACH SCREEN

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.) WQ
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 6

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING 45

WHEN PUMPING 100

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)

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 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)

COUNTY

6/14/90

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

6/11/90

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation ☒
Replacement ☐

Receipt # 46036
Date 6/11/90

Name of Installer ROBERT S. BECK INC Telephone 301-421-9279

License number 2163
Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒

Name of Property Owner TATTERIE & LEVY Telephone 924-4471
Subdivision TWELVE HILLS Lot # 26 Well tag # 40-88-0602
Site Address 13046 TWELVE HILLS ROAD
CLARKSVILLE, MD 21029

Pump
1. Type
a. Deep well jet ☐
b. Shallow well jet ☐
c. Submersible ☒
2. Make JACUZZI
3. Model # TSS4798-SZ
4. Capacity 7 GPM
5. Pump exceeds well capacity Yes ☐ No ☒
6. If Yes, is low pressure cutoff switch installed? Yes ☐ No ☐
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ☒ Cable guards ☒ Other ☐

Motor
1. Horsepower 1/2
2. RPM 1750
3. Voltage ☐
a. 110 ☐
b. 220 ☒

Pitless Adapter
1. Make MARTINSON
2. Model # S/S
3. Depth 42"

Tank
1. Capacity 42"
2. Pressure relief valve? 75"

Piping
1. Type POLY
2. Size 1"
3. NSF and/or BOCA Code approved ☒
4. Depth of supply line 36"

Well data
1. Depth 185 ft.
2. Yield GPM
3. Static water level ft.
4. Will water supply be disinfected by installer? NO

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Robert A. Beck

Date: 6/11/90

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

B. J. Hodges

6/14/90 OK TO COVER OUTSIDE WORK