6-21-91
Jinbon

#410789

PERMIT

P 47264

SEWAGE DISPOSAL SYSTEM

A 39904

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 6/25/91

DATE SYSTEM APPROVED 6-21-91

INSPECTOR JEN

Jack Fyock IS PERMITTED TO INSTALL X ALTER ____

ADDRESS ____ PHONE 988-9270

SUBDIVISION Twelve Hills, Sec. 3 ROAD 14015 Twelve Oaks Ct. LOT 39

PROPERTY OWNER Capitano Construction

ADDRESS ____

~~EXCAVATE GRINDER VOLUME INCREASE SEPTIC TANK CAPACITY BY 50% AND AREA REDUCTION AREA BY 20%~~

~~EXCAVATE GRINDER XXXXXXXXXXXXXXXXXXXXXXXXXXX~~

4 bdrms verified on-site by septic contractor, JEN

SEPTIC TANK CAPACITY 1250 ~~1500~~ GALLONS NUMBER OF BEDROOMS 4 ~~5~~

3180 / 4 / 720

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 4.0 feet of stone below distribution pipe.

LOCATION - Beginning at the left rear lot coner as seen when facing the lot from Twelve Oaks Ct, place the distribution box 90 ft. down the left (240') lot line and 110 ft. off the same lot line. Run trenches on contour toward the front and rear lot lines. Maintain a minimum of 100 ft. from the well.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 3/30/89 OK RJ

PLANS APPROVED BY Jane E. Nadeau cm DATE 05/10/89

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 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 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

BLDG. PERMIT SIGNED AND RETURNED 9/6/91
Serial# 32540 Underground Tanks

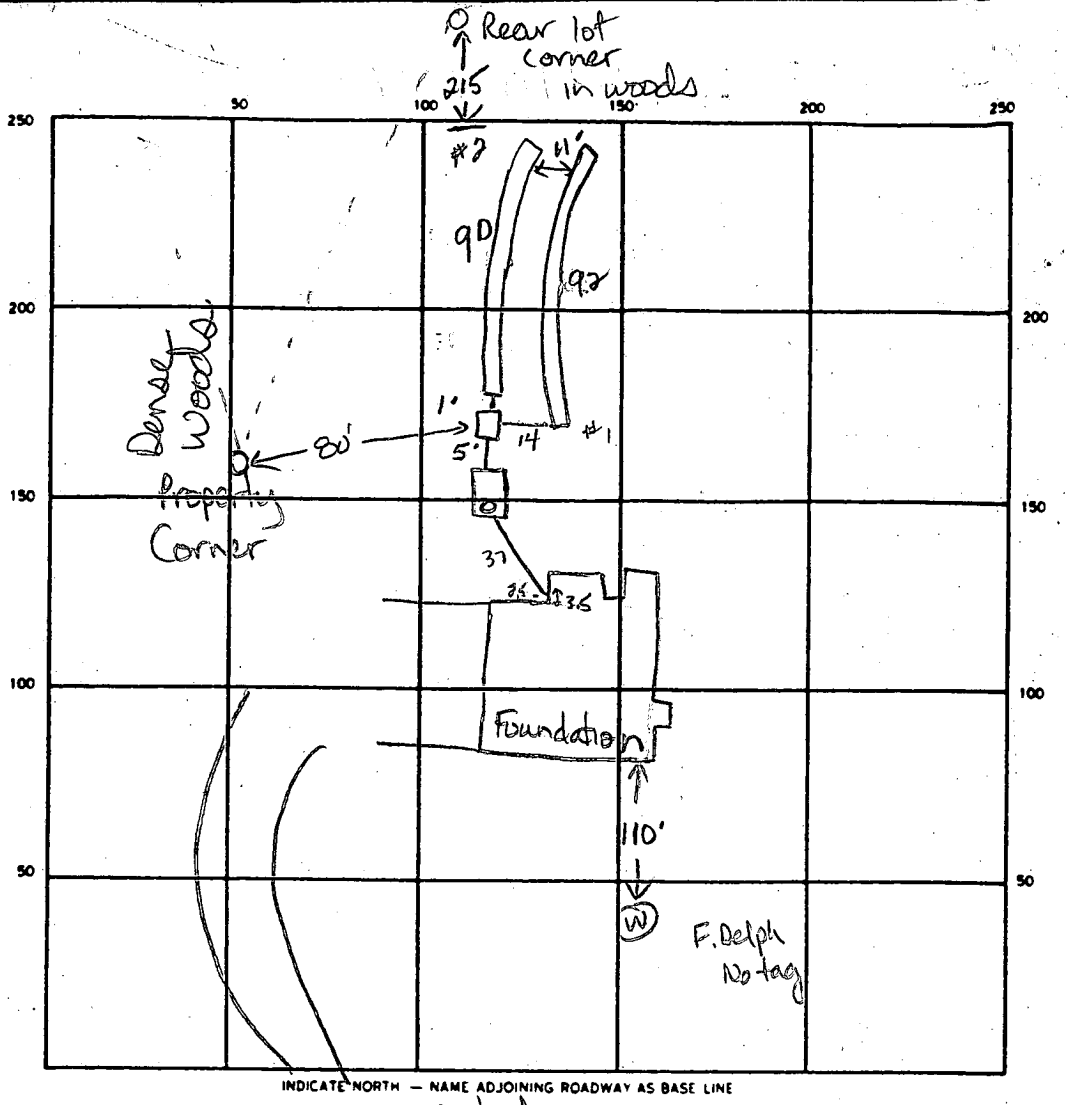
A 39904

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

HD-260

1:30 pm



Cul-de-sac
Twelve Oaks Court

SEPTIC TANK. LEVEL 1250 CLEANOUTS 1 on septic tank

DISTRIBUTION BOX. LEVEL OK (w/ baffle)
① ② 1ft out W

DRAIN FIELD/TILE FIELD. DEPTH ① 7 ② 6 FT. TRENCH WIDTH 2 FT. INLET DEPTH ① 3 ② 2 FT.

EFFECTIVE GRAVEL DEPTH ① 4 ② 4 FT. TOTAL LENGTH ① 92 ② 90 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA ① 368 ② 360 SQ FT.

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

ABSORBENT AREA 728 SQ. FT.

REMARKS 6-21-91 OK to cover trench #1 & stone #2. JEN
6-21-91 OK to cover all work. JEN

DATE SYSTEM APPROVED 6-21-91 INSPECTOR Jane E. Tradeau

APPLICATION

A 39904

PERCOLATION TESTING

P

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

9-24-87
Perc ok
pending plat
approval. Major
lot changes needed JEN

DISTRICT 5TH

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 Bassler~~ Roger D. Marion - 381-5448

ADDRESS 4994 Shepherd Lane PHONE ~~531-2193~~

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE Final 39

PROPERTY LOCATION: ~~Lot 14~~ Preliminary new

SUBDIVISION Twelve Hills Sec III LOT NO. ~~12~~ 14

ROAD AND DESCRIPTION ~~Linden Church Rd~~ 14015 Twelve Oaks Court

TAX MAP 28 PARCEL # 49

BLDG. PERMIT SIGNED AND RETURNED 11/7/89
Serial # 28973

SIZE OF LOT 3 acres TYPE BLDG. SFD - ~~4~~ Bedrooms 4
(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. Mark D Reid
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

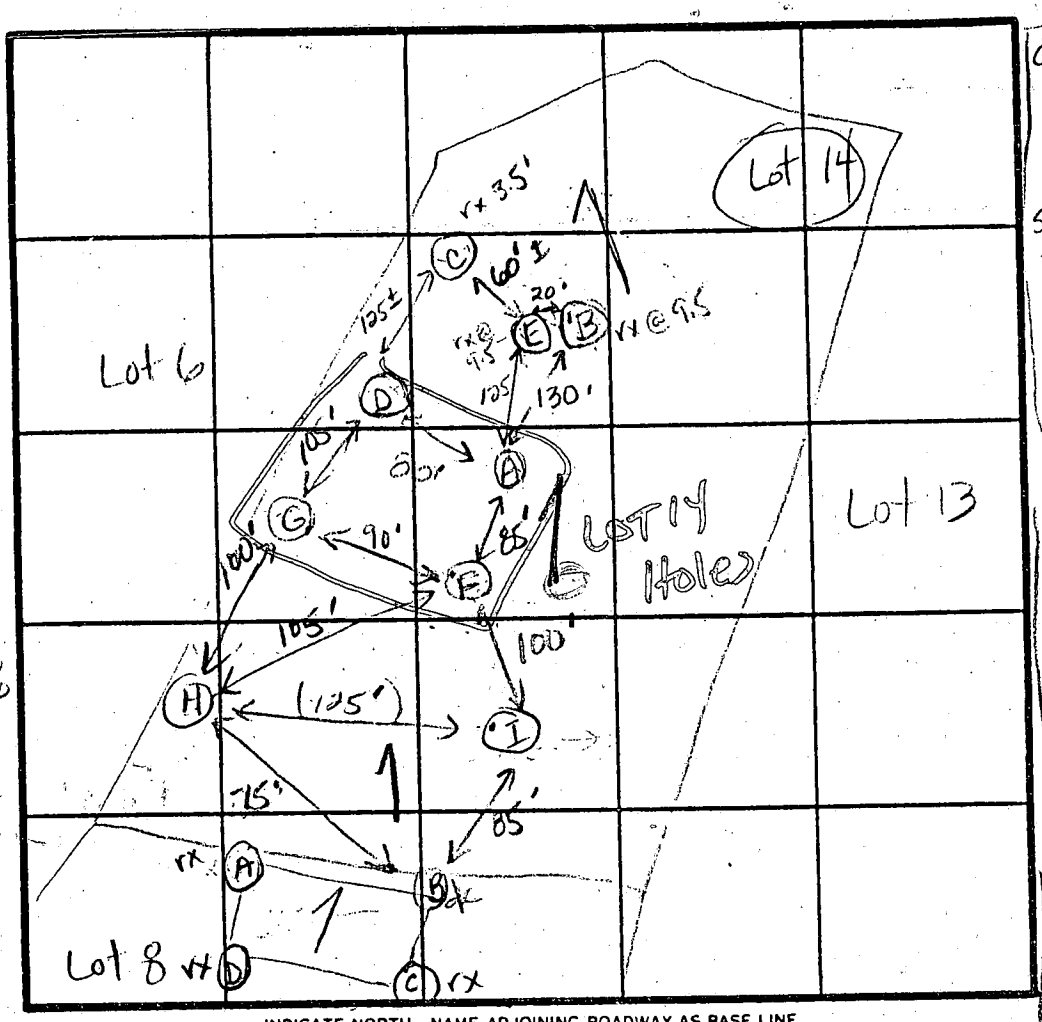
REASONS FOR REJECTION OR HOLDING 9-24-87 for perc hole locations, subdivision plat approval, Must change lot lines and alter perc areas slightly to obtain 10000 sq. ft. of area. Need house & well site JEN

THIS IS NOT A PERMIT

Highest

A 39404

H F G A D B E C



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(D) low

SOIL PROFILE

0
0-4.5 Red br cl sa si loam, trc gvl ∠ 15%
4.5-11.5 Brown sandy si lm, little gvl ∠ 25%
11.5 Bottom

(A)

0-5 Br sa cl si lm, trc gvl ∠ 50%
5-10 Brown sa si lm some broken rock frags ∠ 25%
10 Bottom

(G)

0-6 Red sa si clay
6-11.5 Tan sa silt loam
11.5 Bottom

EH 12-10

(B)

0-5.5 Br si cl lm trc gvl, ∠ 20%
5.5-9.5 Br sa si lm, little gvl ∠ 10
9.5 Refusal

(F)

0-4 Red si cl loam
4-11.0 Tan sa silt, trc mica
11. Bottom

(H)

0-3.5 Red sa si clay
3.5-10.5 Tan sa silt lo
10.5 Bottom

(I)

0-4.5 Red si cl lo
4.5-11.5 Red sa si
11.5 Bott

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
9-2-87	✓ D	3.5 S	2:43	2:45	2:45	2:47	2
		11.5 D	Bottom (see profile)				
	✓ A	3.5 S	2:50	2:52	2:52	2:55	3
		10.0 D	Bottom (see profile)				
	B	9.5 V	Refusal at 9.5', clay layer 0-5.5'				
	E	9.5 V	same as B.		Refusal @ 9.5'		finished
✓	C	3.5 V	Refusal @ 3.5'				finished
9-24-87	✓ F	3.5 S	12:28	12:30	12:30	12:32	2
		11.0 D	Bottom	(see profile)			
	✓ G	4.5 S	12:45	12:47	12:47	12:49	2
		11.5 D	Bottom	(see profile)			
	I	3.5 S	12:51	12:53	12:53	12:55	2
		6.5 M	12:49	12:51	12:51	12:53	2
		11.5 D	Bottom		(see profile)		
	H	10.5 V	(see profile)				

X Perc 3 Min
Inlet 3.0'
Bottom 5.0'
180 ℄ BR

REMARKS

TYPE OF SOIL Want to move Lot 8 downhill to use B,H,F,I for septic field. Lot would have A,D,G,F

TESTED BY JF Nadeau ALSO PRESENT Glenn K, Dave

APPLICATION

PERCOLATION TESTING

A 39904

No charge P

DISTRICT 5th

DATE

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

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 ALTOGETHER LIMITED PARTNERSHIP

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE Final 39

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec-3 LOT NO. Preliminary ~~14~~ RE-PERC

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 AC 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. John C. Lee
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3-9-89 For perc hole locations. Use original easement (A,D,F,G) JEN

HD-216

THIS IS NOT A PERMIT

High

Low

A39904

IFGA2

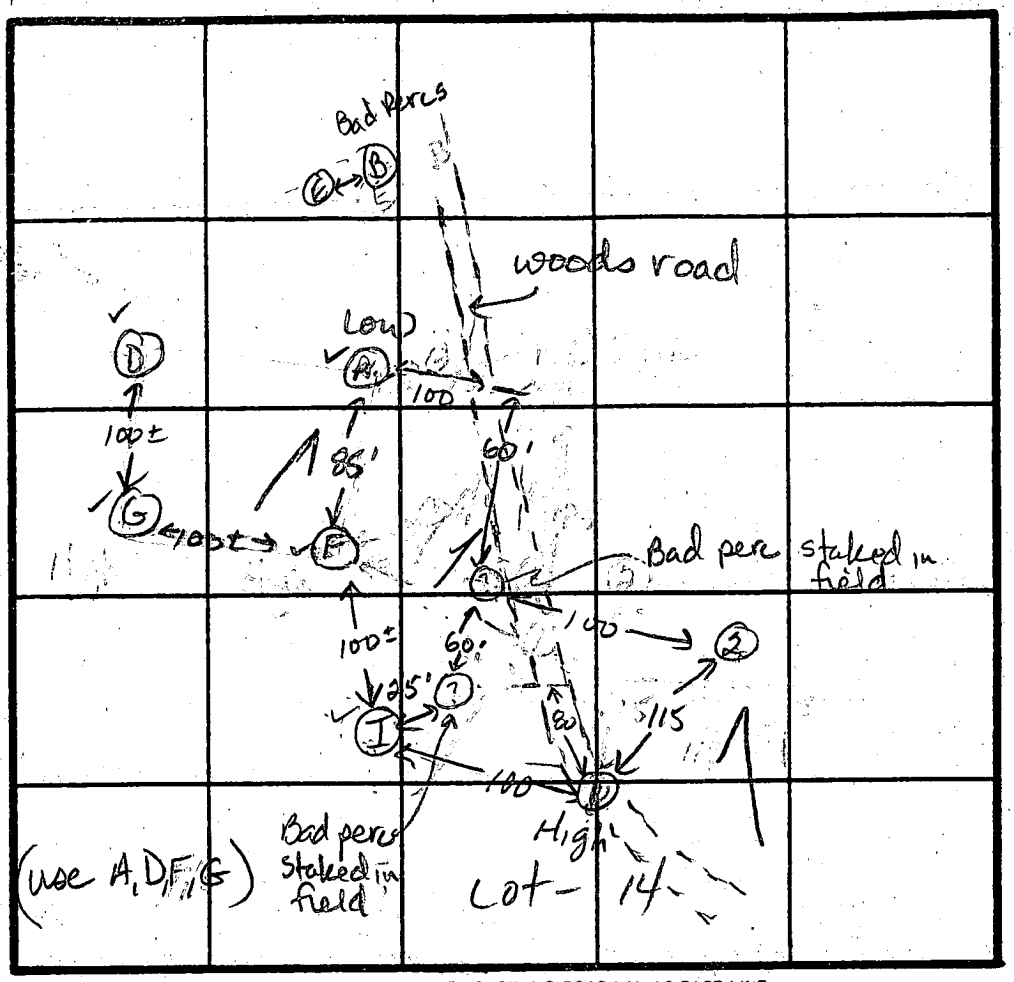
(2) SOIL PROFILE

0

0-2.5 Br sndy lm

2.5-10.0 Br mica sa si lm < 10% rock frags

10.0 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(1)

0-4.0 Br sndy lm, some gravel, schist < 40%

4-10.5 Tan mica sa si lm

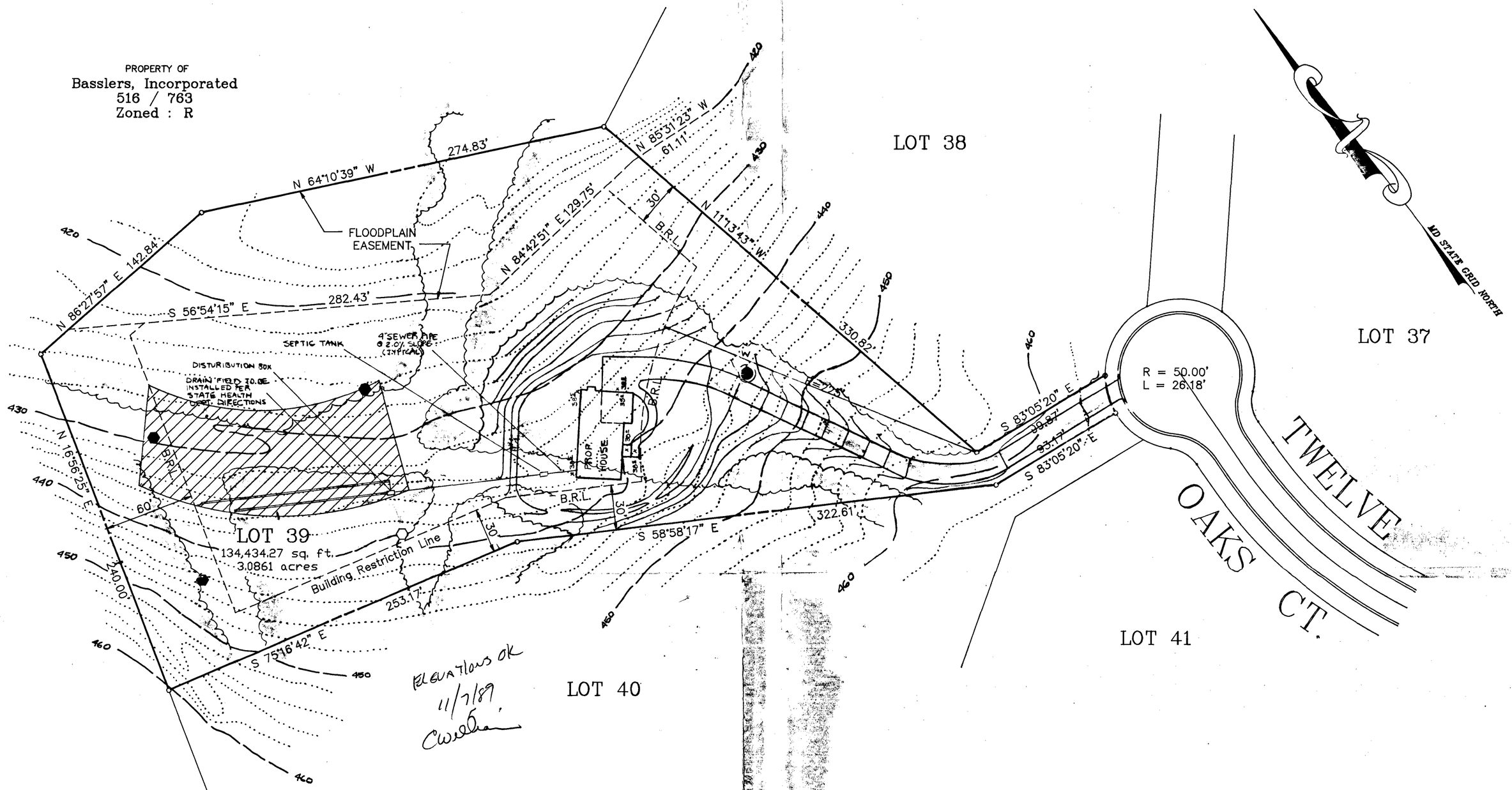
10.5 Bottom

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
3-9-89	2	3.5 S	3:49	3:50	3:50	3:52	2min
		10.0 D	Bottom (see profile)				ok
	1	4.0 S	3:58	4:02	4:02	4:15	13min
↓	-	10.5 D	Bottom (see profile)				ok

REMARKS 1 & 2 were good holes but bad holes (unrecorded by Health Dept) were found inbetween good tests, use original holes (A, D, G, F)

TYPE OF SOIL

TESTED BY Jane E. Nadeau ALSO PRESENT John Renwer Dave



DESIGN DATA *

SEPTIC TANK DATA:
- GROUND OVER ELEVATION = 438.0
- INVERT IN ELEVATION = 434.2
- INVERT OUT ELEVATION = 434.0

DISTRIBUTION BOX DATA:
- GROUND OVER ELEVATION = 435.0
- INVERT OUT ELEVATION = 432.0

HOUSE DATA:
- FIRST FLOOR ELEVATION = 439.5
- BASEMENT ELEVATION = 430.5
- SEWER INVERT ELEVATION= 434.6

*(ADDITIONAL FIELD TOPO WILL BE REQUIRED PRIOR TO CONSTRUCTION)

I CERTIFY THAT ALL MEASURMENTS AND ELEVATIONS ARE CORRECT FOR THIS PROPERTY.

David C. Woessner

DAVID C. WOESSNER DATE

OWNER / DEVELOPER

Land Design and Development, Inc.
8307 Main Street
Ellicott City, Maryland 21043
(301) 461-4600

PLOT PLAN
LOT 39
TWELVE HILLS
SECTION 3

Election District No. 5
Howard County, Maryland

CURRENT ZONING : R
TAX MAP : 28 PARCEL : 49 & 66
SCALE : 1"= 50' JULY, 1989

PREPARED BY :
AMERICAN ENGINEERING, INC.
CIVIL ENGINEERING CONSULTANTS
AND LAND PLANNER

609 B MAIN STREET BALTO.(301) 880-3039
ELLICOTT CITY, MD. 21043 (301) 461-2855

DRAWN BY: Y	DATE: 7-31-89
CHECKED BY: DW	DRAWING NO.:
JOB NO.: 16819	SHEET 1 OF 1

EMERGENCY/TEMP NO. IF ANY

B 1 **6839** SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER: H O - 8 8 - 0 6 0 6
fill in this form completely

Date Received (APA): 12 16 88

OWNER INFORMATION

ALTOGETHER LTD PART (Last Name / Owner / First Name)
10196 BALT NAT PIKE (Street or RFD)
ELLICOTT CITY (Town) MD (State) 21043 (Zip)

DRILLER INFORMATION

Driller's Name: Frank Delph — License No.: 453
Firm Name: Frank Delph Well Drillers Inc.
Address: 18234 Penn Shop Rd. Mt. Airy Md.
Signature: Frank Delph — Date: 12/14/88

B 2
WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- (D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) — circled
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
- T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 200 FEET

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) — JETTED — Jetted & DRIVEN
AIR-ROTary — AIR-PERcussion — (ROTARY (Hydraulic Rotary)) — circled
CABLE — REVerse-ROTary — DRive-POINT
other

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL — circled
- Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
- D THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE):

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER: G A P

FORCE: J N (WRITE INITIALS IN BOX) PERMIT No.: H O - 8 8 - 0 6 0 6

SPECIAL CONDITIONS

B 3
LOCATION OF WELL

COUNTY: HOWARD
SUBDIVISION: TWELVE HILLS
SECTION: 3 — LOT: 14 (39)
NEAREST TOWN: DAYTON
MILES FROM TOWN (enter 0 if in town): 1 MI

B 4
DIRECTION OF WELL FROM TOWN (CIRCLE BOX): N, NE, E, SE (circled), S, SW, W, NW

NEAR WHAT ROAD: Twelve Trees Ct (Oaks)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH (circled), WEST, EAST, SOUTH

DISTANCE FROM ROAD: 250
ENTER FT or MI: FT

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

COUNTY NAME: HOWARD — COUNTY NO.: A# 39904

STATE SIGNATURE — INSERT S

DATE ISSUED: D51089 — CO SIGNATURE: Dane E. Nadeau — EXP. DATE: 11/10/89

NORTH GRID: 512000 — EAST GRID: 0811000

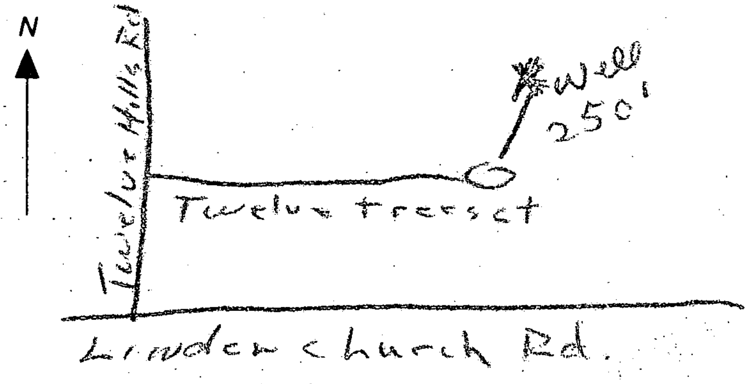
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X — 10/3/89

SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE
811 E 510
N 512
000
000

X — Well

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



COUNTY

C 1 | 2444 | SEQUENCE NO. (DENV USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 1-6 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 2444

DATE Received

DATE WELL COMPLETED 10/6/89

Depth of Well 125 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-88-0600

OWNER [illegible] last name [illegible] first name [illegible] TOWN [illegible]

STREET OR RFD. [illegible]

SUBDIVISION Timber Hills SECTION 2 1 LOT 29

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	FEET TO	Check if water bearing
Top Soil	0	2	
Shale	2	15	
Mika	15	40	
Sandstone	40	50	✓
Mika	50	55	
Sandstone	65	70	✓
Mika	70	125	

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) [signature]

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes (Y) no (N)

TYPE OF GROUTING MATERIAL

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 5 NO. OF POUNDS 300

GALLONS OF WATER 30

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. TOP to 19 ft. BOTTOM (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

(ST) STEEL (CO) CONCRETE (PL) PLASTIC (OT) OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
PL	6	34

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to
1			
2			

SCREEN RECORD
screen type or open hole insert appropriate code below

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

C 2

EACH SCREEN		DEPTH (nearest ft.)	
1	HO	34	124
2			
3			

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (NEAREST INCH)

GRAVEL PACK from ____ to ____

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 ☐

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T ☐ TELESCOPE CASING (E.R.O.S.) ☐ LOG INDICATOR WQ ☐☐☐ OTHER DATA

C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 35

WHEN PUMPING 25

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 (CIRCLE) (YES or NO) 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) ____

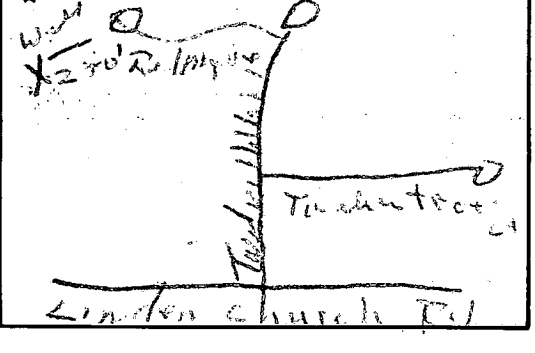
PUMP HORSE POWER ____

PUMP COLUMN LENGTH (nearest ft.) ____

CASING HEIGHT (circle appropriate box and enter casing height)

(+) above (−) below LAND SURFACE 3 (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

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ____
Replacement ____

Receipt # 47137
Date 5/22/91

Name of Installer T&R Plumbing And Heating Inc Telephone 725-2392

License Number 7079
Certified Well Pump Installer ____ Well Driller ____ Registered Plumber ✓

Name of Property Owner CAP. TAHO CONST. Telephone 984-9555
Subdivision 12 Hills Lot # 39 Well Tag # HO-88-0606
Site Address 14015 12 OAKS CT.

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible ✓
2. Make Jacuzzi
3. Model # ____
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 ½
2. RPM ____
3. Voltage 220
   a. 110 ____
   b. 220 ✓

Pitless Adapter
1. Make ~~Hydrohard~~ Hard
2. Model # ____
3. Depth ~~5~~ 4'

Tank
1. Capacity 15 gal
2. Pressure relief valve? yes

P.A. 4' B.G. - OK
MR 5/23/91

Piping
1. Type Polyb line
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 3'

Well data
1. Depth 125 ft.
2. Yield 10 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.

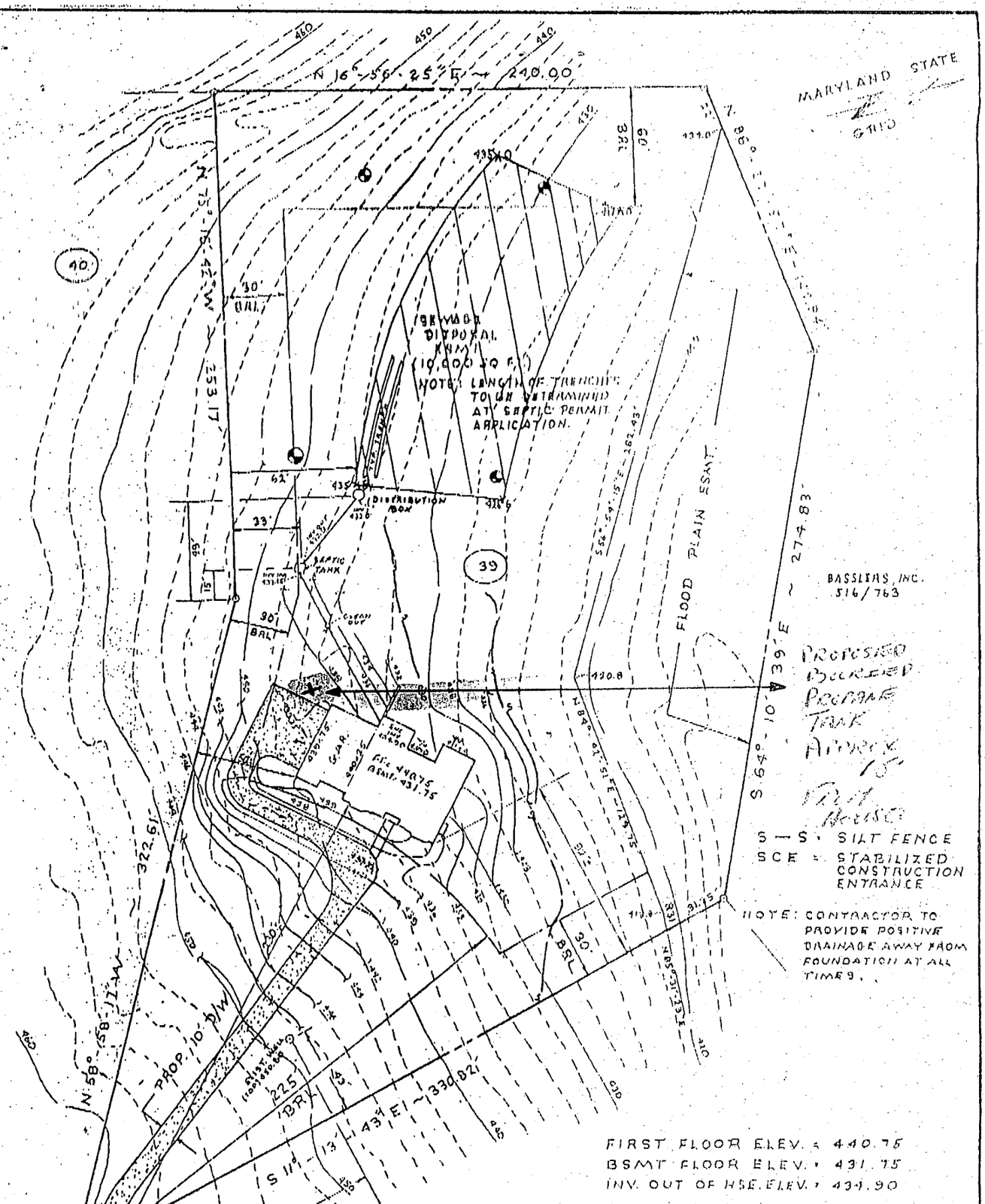
Signature of Applicant: _____

Date: _____

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

HD-215

10 Gal per man



I HEREBY CERTIFY THAT THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.

Mark L. Robel 1-28-91
MARK L. ROBEL DATE

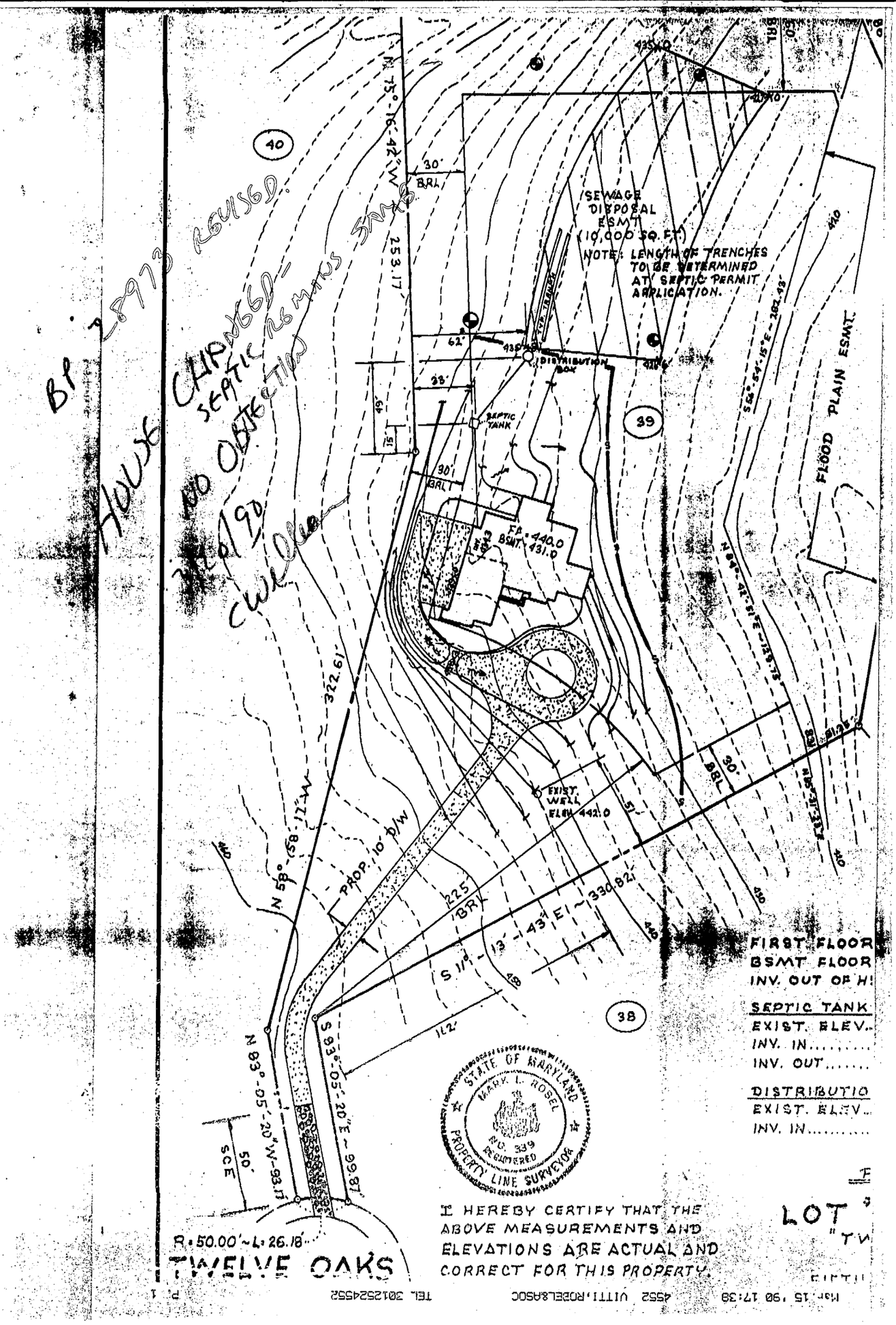
PLOT PLAN

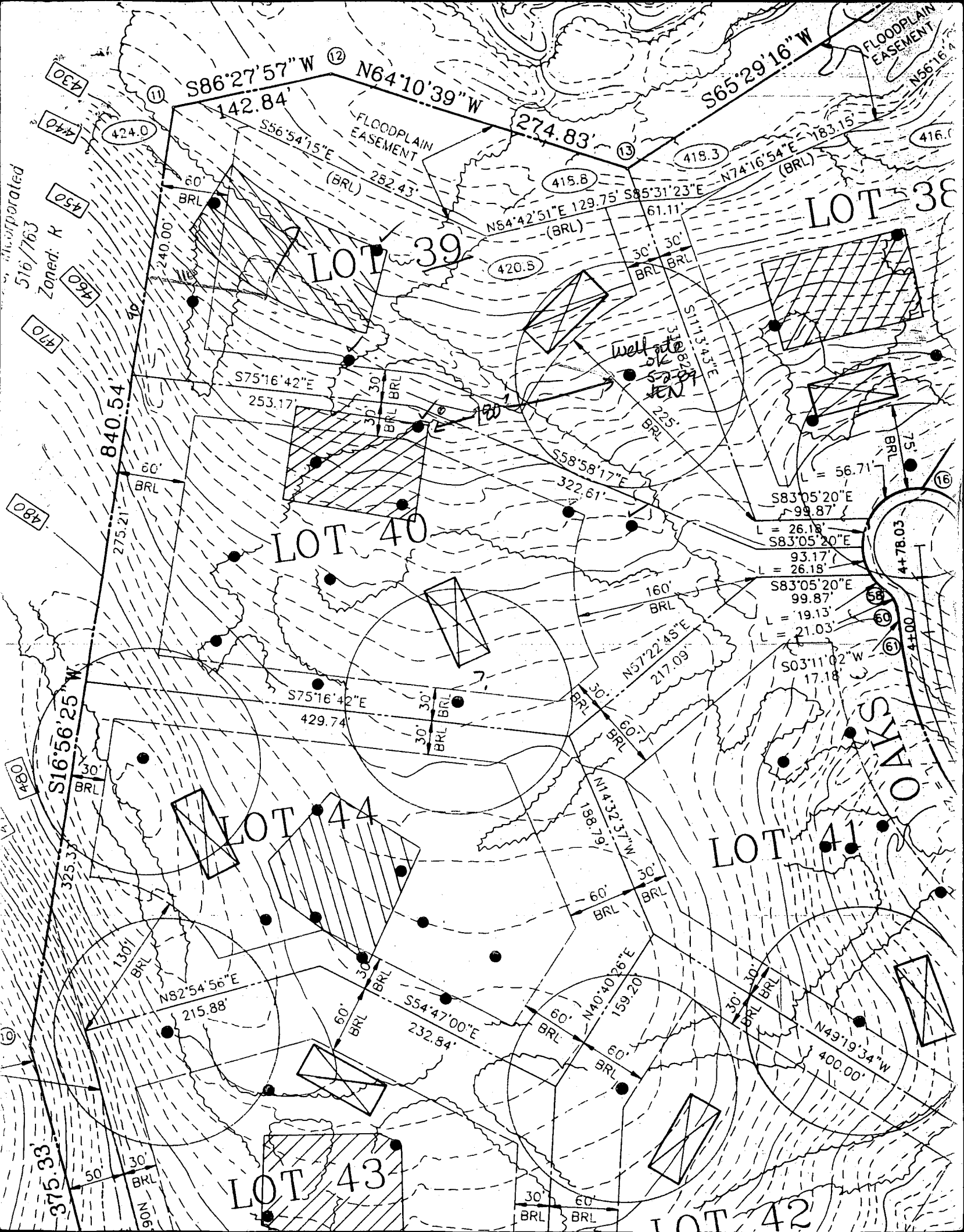
LOT #39 ~ SECT. #3
"TWELVE HILLS"
PLAT #8546
FIFTH ELECTION DIST.
HOWARD COUNTY, MARYLAND
SCALE: 1"=50' ~ DATE: 2-28-91

VITTI, ROBEL & ASSOC., INC.
SUITE 2-B ~ 1717 YORK RD.
LUTHERVILLE, MD. 21093
(301) 252-4552

REVISED house plans
Date: 3-6-91
14015 Twelve Oaks Ct
Comments: 38973

#90-017
PLANS OK FOR PROBANO TANK BP32550
9/6/91 RW


BP 28973 ASSIGNED.
HOUSE CHIMNEY-
SEPTIC TANK
NO OBJECTION
3/6/90
CWL
N 75°-16'-42"W
253.17'
30' BRL
SEWAGE DISPOSAL ESMT (10,000 SQ. FT.)
NOTE: LENGTH OF TRENCHES TO BE DETERMINED AT SEPTIC PERMIT APPLICATION.
DISTRIBUTION BOX
SEPTIC TANK
FA = 440.0
BSMT. 431.0
FLOOD PLAIN ESMT.
S62°-54'-15"E - 282.43'
N 68°-43'-15"W - 322.61'
N 58°-58'-12"W
PROP. 10' D/W
EXIST. WELL ELEV. 442.0
225' BRL
S 11°-13'-43"E - 330.82'
S 83°-55'-20"E - 99.87'
N 83°-55'-20"W - 83.87'
50' SCE
R = 50.00' ~ L = 26.18'
TWELVE OAKS
30' BRL
90' BRL
162'
STATE OF MARYLAND
MARK L. ROSEL
NO. 339
REGISTERED
PROPERTY LINE SURVEYOR
I HEREBY CERTIFY THAT THE ABOVE MEASUREMENTS AND ELEVATIONS ARE ACTUAL AND CORRECT FOR THIS PROPERTY.
FIRST FLOOR
BSMT FLOOR
INV. OUT OF H
SEPTIC TANK
EXIST. ELEV.
INV. IN.....
INV. OUT.....
DISTRIBUTIO
EXIST. ELEV.
INV. IN.....
LOT
"TW
39
40
38


S86°27'57"W
142.84'
N64°10'39"W
274.83'
S65°29'16"W
FLOODPLAIN EASEMENT
FLOODPLAIN EASEMENT
S56°54'15"E
282.43'
(BRL)
N84°42'51"E 129.75'
(BRL)
S85°31'23"E
61.11'
N74°16'54"E
183.15'
(BRL)
LOT 39
LOT 38
LOT 40
LOT 44
LOT 43
LOT 41
LOT 42
OAKS
840.54'
S16°56'25"W
325.33'
375.33'
S75°16'42"E
253.17'
S58°58'17"E
322.61'
S75°16'42"E
429.74'
N57°22'45"E
217.09'
N14°32'37"W
188.79'
N82°54'56"E
215.88'
S54°47'00"E
232.84'
N40°40'26"E
159.20'
N49°19'34"W
400.00'
S11°13'43"E
225.
S83°05'20"E
99.87'
L = 56.71'
L = 26.18'
S83°05'20"E
93.17'
L = 26.18'
S83°05'20"E
99.87'
L = 19.13'
L = 21.03'
S03°11'02"W
17.18'
4+78.03
4+00
Well site
OK
5-2-84
JEN
240.00'
275.21'
160'
BRL
130'
BRL
60'
BRL
30'
BRL
50'
90N
424.0
418.3
415.8
420.8
416.
430
440
450
460
470
480
Unincorporated
516/763
Zoned: R