7-26-90 asap
2-20-90
7-30-90 - AM asap

#410746

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 45857

A 39911

DISTRICT 5th

DATE 5/0 2/90/

DATE SYSTEM APPROVED 7/30/90

INSPECTOR M. Rifkin

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Fogle's Septic Service, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5670

SUBDIVISION Twelve Hills ROAD ~~13082~~ 14016 Twelve ~~Hills Dr.~~ Oaks Ct. LOT 35

PROPERTY OWNER Andy Zusi

ADDRESS

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

~~GARBAGE GRINDER xxxYESxxxxxxxxxxxxNOxxxxxxxx~~

NOTIFY HEALTH DEPARTMENT AT TIME OF FOOTING INSPECTION.

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 210 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 4 feet below original grade. Effective area begins at 2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - SET THE SEPTIC TANK AT THE HIGHEST POSSIBLE PART OF THE SEPTIC RESERVE AREA, AND PLACE DISTRIBUTION BOX AS FOLLOWS: Starting from intersection of 319.45' and 286.37' lot lines, place box 150 feet down 319.45' lot line and 75 feet off this same line. Run trenches on contour toward 319.45' lot line.

NOTE - INSPECTION REQUIRED UPON START OF EXCAVATION.

No trench to exceed 100 feet in length. Provide 6" - 9" diameter cleanout and cap to grade or above on septic tank. 5-2-90 JEN

PLANS APPROVED BY Mark Rifkin jr DATE 11/13/89

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

BLDG. PERMIT SIGNED AND RETURNED 12/12/90
Serial # 35602
Dick

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

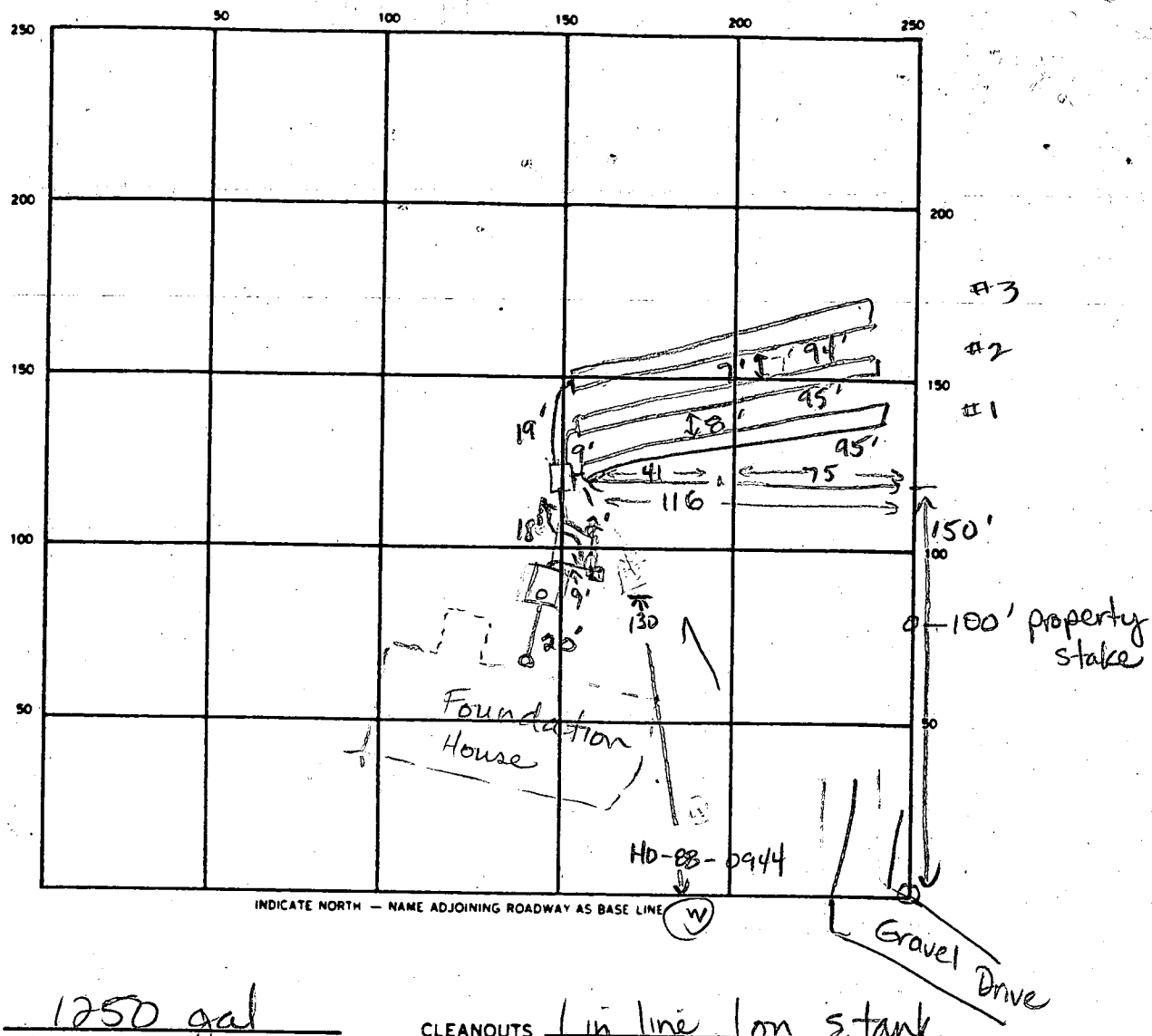
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

HD-260

Page 1 of 1



SEPTIC TANK. LEVEL 1250 gal CLEANOUTS 1 in line, 1 on S. tank

DISTRIBUTION BOX. LEVEL OK w/ baffle

DRAIN FIELD/TILE FIELD. DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① 95 ② 95 ③ 94 FT

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA ① 285 ② 285 ③ 282 SQ FT.

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

ABSORBENT AREA 852 SQ. FT.

REMARKS "Stop Work" order issued. Trench & dist. box placed in center of SDA. Relocate dist. box to top of SDA. Disconnect existing leachate line from tank to dist. box and reconnect to box at upper part of sewage disposal area. Call for reinspection 7-26-90 JEN
7/30/90 NEW DB 9' FROM S.T. APPROX SAME ELEV AS INTENDED LOC 16' ADDL AWAY SITE OK MR

DATE SYSTEM APPROVED 7/30/90 INSPECTOR M. Litkin

— Memo To The File —

14016 Twelve Oaks Court
Twelve Hills Lot-35

Fogle installed septic system prior to footing inspection but without Health Department inspection until trenches were completed.

Fogle notified this office July 26, 1990 and requested an inspection as soon as possible.

I met with Fogle's man at the above mentioned site and determined that the trenches were in suitable soils but had been placed half way down in the sewage disposal area easement.

A "stop work" order was issued. (7-26-90)

Due to known rock at shallow depths, below the SDA ~~limits~~ easement boundary, it was requested that an additional distribution box be placed at the top of the SDA (highest point). This distribution box will be connected to the existing distribution box with the original ~~sewer~~ leachate line to be disconnected (from the septic tank to the lower distribution box).

Jane E. Nadeau
7-27-90

APPLICATION

A 39911

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
Percs ok pending
plat approval 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 Bussler ~~Robert Smead~~

ADDRESS 4994 Shepherd Lane PHONE 531-2193

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE Final 35

~~Lot 10~~ Preliminary

PROPERTY LOCATION:

SUBDIVISION Twelve Hills Sec III 14016 LOT NO. ~~19~~ New 1

ROAD AND DESCRIPTION ~~Linden Church Rd~~ ~~13082 Twelve Hills Drive~~
14016 Twelve Oaks Court

BLDG. PERMIT SIGNED AND RETURNED 3/29/88
Serial # 20233 - SFD

TAX MAP 28 PARCEL # 49

SIZE OF LOT 3 acres TYPE BLDG. SFD - 4 Bedroom
(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 JEN SHALLOW SYSTEM ONLY

BLDG. PERMIT SIGNED AND RETURNED 05/29/90
Serial #32474
4 Bedrooms

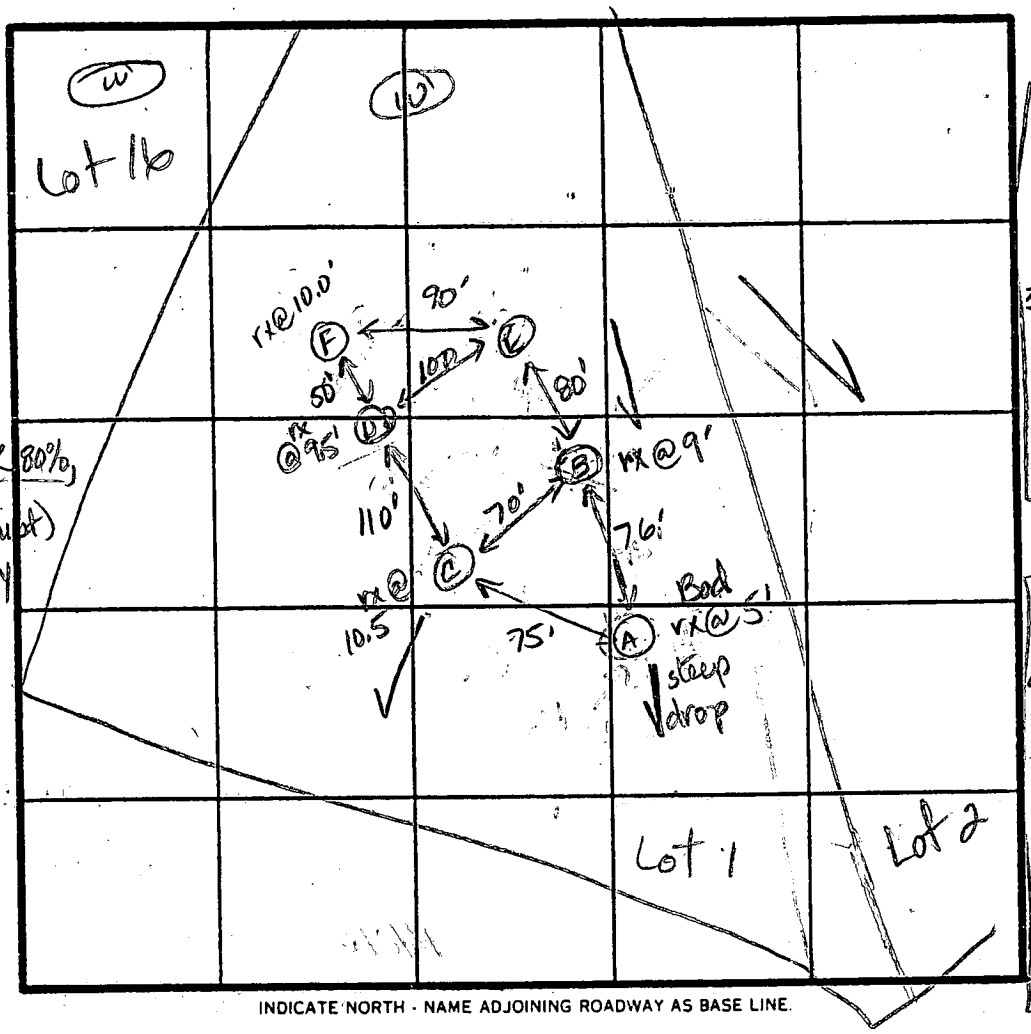
THIS IS NOT A PERMIT

A 39911

High F D E B C A Lowest

(B) SOIL PROFILE

0'
0-3.5 Red si cl loam
3.5-9.0 Gray broken rock frags. < 80%, with sa silt, rock (schist) is horizontally bedded
9.0 Refusal



(D)
0-3.0 Red brown si clay, little broken rock < 5%
3.0-9.5 Red sandy silt, some rock < 60%
9.5 Refusal

(E)
0-4.5 Red brown sa si cl
4.5-11.5 Red-tan sa silty loam, trc broken rock (schist) < 10%
11.5 Bottom

(C)
0-4.5 Red-brown si cl, trc gravel
4.5-7.0 Tan sa silt, some broken schist frags. < 60%
7-10.5 Gray silt, < 50% broken schist
10.5 Refusal

(A)
0-3' Br sa si lm
3-5' Brown sa si
5' Refusal

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

X PERC 4 min 180 A/BR
INLET 2½'
BOTTOM 4'

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
9-24-87	B	4.0 S	2:14	2:16	2:16	2:19	3
		9.0 D	(Refusal at		9.0 ft)		?
	C	4.0 S	2:22	2:26	2:26	2:32	6
		10.5 D	(Refusal at		10.5 ft)		?
	D	3.0 S	2:54	2:57	2:57	3:00	3
		6.0 M	2:51	2:53	2:53	2:55	2
		9.5 D	(Refusal at		9.5 ft)	? Bottom of rock	hole on fragments
	A	5.0 V	(Refusal at		5 ft)		failed
	E	11.5 V	(see profile)				ok
	F	10.0 V	(Refusal at		10 ft)		

Bottom of hole on rock frags

(F)
0-3.5 Red sa silty clay lm
3.5-10.0 Red sa si loam, trc rock frags, < 30%
10.0 Refusal

REMARKS All holes moved uphill to avoid shallow rock

TYPE OF SOIL 0-4 Red-brown si cl, 4-11.5 Red sa si lm, some broken rx < 50%

TESTED BY JE Madsen ALSO PRESENT Glen K, Mark R, Dave

EH-12-1079

APPLICATION

A 43751

PERCOLATION TESTING

P _____

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

DISTRICT 5TH

DATE 3-8-89

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 35

Preliminary

PROPERTY LOCATION:

SUBDIVISION 12 HILLS SECTION III LOT NO. 10 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR (REJECTION) OR HOLDING 3-9-89 Unclear of new and old hole locations and suitability of soils. Recommend rejection. dEN

HD-216

THIS IS NOT A PERMIT

A 43751

(1) SOIL PROFILE

0

0-3 Rd-br sa sl l/m Cl l/m

3-10.0 Rd-br sa sl l/m some rx pieces < 35% Structure at 7.5ft

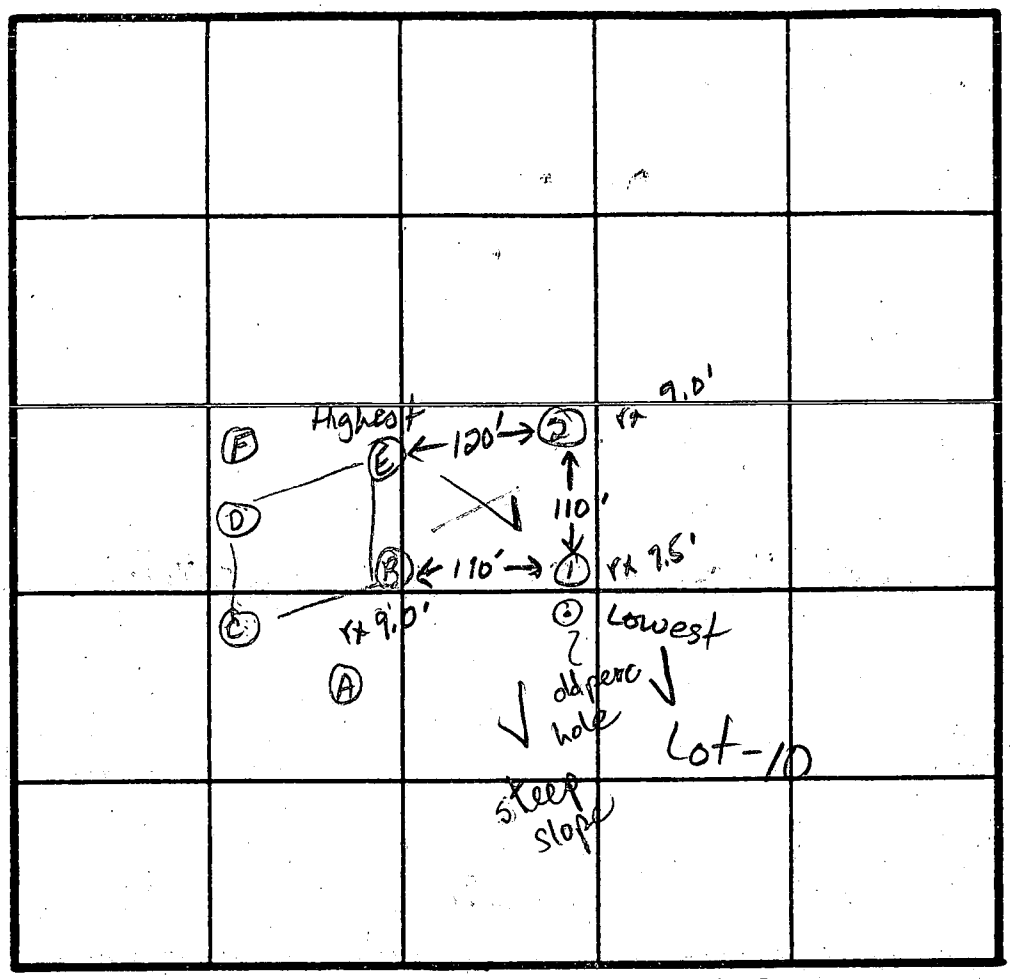
10.0 Refusal

(2)

0-5.5 Rd-br sa sl l/m Cl l/m

5.5-11.0 Tan sa sl l/m, some rx frags < 40% Structure at 9.0'

11.0 Refusal



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
3-9-89	1	3.5 S	3:27	3:29	3:29	3:31	2min
		10.0 D	(Rock at 7.5 ft, Refusal		at 10 ft)		2
	2	4.5 S	3:35	3:37	3:37	3:41	4min
↓		11.0 D	(Rock at 9.0 ft, Refusal		at 11.0ft)		ok

REMARKS Unclear as to locations of #1 & 2. #1 has rx structure at 7.5ft
Unclear as to suitability of soils in #B

TYPE OF SOIL

TESTED BY Jane E. Nadeau ALSO PRESENT John Reuiver
Dave

EMERGENCY/TEMP NO. IF ANY

B 1 | 6836 | 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: H0-88-0944
fill in this form completely

Date Received (APA): 12/6/88

OWNER INFORMATION

ALTOBETHEK LTD PART
Last Name | Owner | First Name

10176 BALT NAT PIKE
Street or RFD

ELLICOTT CITY MD 21043
Town | State | Zip

DRILLER INFORMATION

Frank Delph — 453
Driller's Name — License No.

Frank Delph Well Drillers Inc.
Firm Name

18234 Penn Shop Rd. Dix Airy Md.
Address

Frank Delph 12,14,88
Signature — Date

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)
- [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))
CABLE — REVerse-ROTary — DRive-POINT
other

REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)

- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
- [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 DEEPENDED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER: GAP

FORCE [C][W] WRITE INITIALS IN BOX — PERMIT No. H0-88-0944

B 3 LOCATION OF WELL

HOWARD
COUNTY

TWELVE HILLS
SUBDIVISION

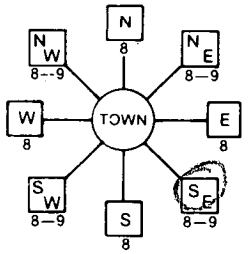
SECTION 3 — LOT 10 (25)

DAYTON
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): 1 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Twelve Hills Road
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH (N) WEST [W] 32 [E] EAST [S] SOUTH

600
DISTANCE FROM ROAD

ENTER FT or MI: FT

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD — COUNTY NAME
R# 39911 — COUNTY NO.

STATE SIGNATURE _____ INSERT S

DATE ISSUED 07/24/89 — CO SIGNATURE — EXP. DATE 7/24/90

NORTH GRID 512000
EAST GRID 0211000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

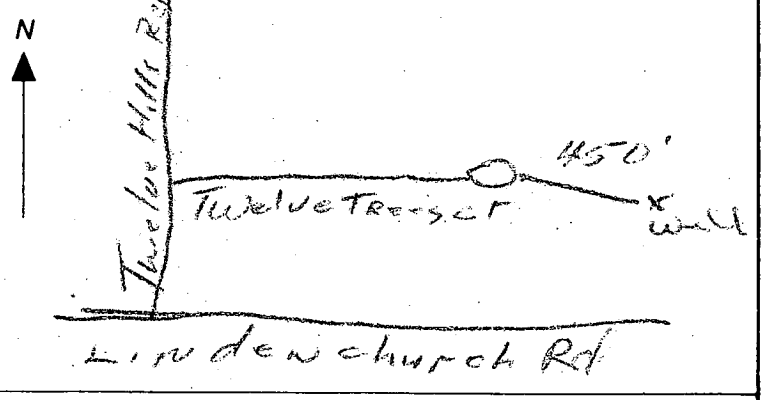
10/26/89 GROUT NOT OBS'D
21' CASING MR
19' OPEN 10/26/89
6 BAGS
1' CASING A.G.
000 000 VTAGOK

SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE: 811

E
N 5 8 12

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



SPECIAL CONDITIONS

COUNTY

C 1 — 2440 — 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 39111

DATE Received

DATE WELL COMPLETED 10/3/89

Depth of Well 205 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" #89-88-0944

OWNER Allweather LTD Partnership
STREET OR RFD last name first name TOWN Avion
SUBDIVISION SECTION 3 LOT 35

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	5	
Mika	5	13	
Sandstone	15	40	
Mika	41	50	
Sandstone	50	70	✓
Mi. Ka	70	90	
Sandst.		15	✓
Mika	95	205	

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
Frank Meyer
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Frank Meyer
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 6 NO. OF POUNDS 660
GALLONS OF WATER 36
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	21

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below
ST STEEL, BR BRASS BRONZE, HO OPEN HOLE, PL PLASTIC, OT OTHER

EACH SCREEN		DEPTH (nearest ft.)	
1	W6	21	177
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

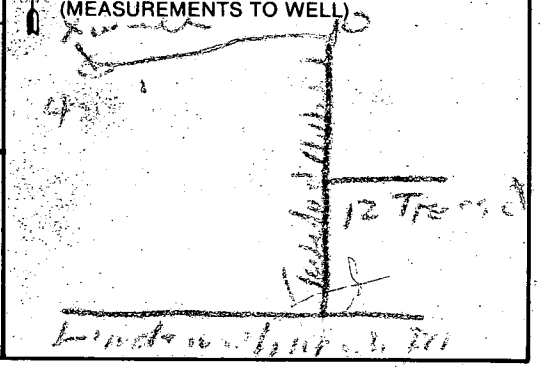
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (70) TELESCOPE CASING; (E.R.O.S.) (72) LOG INDICATOR; WQ (74 75 76) OTHER DATA

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 30
WHEN PUMPING 65

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 (nearest foot) 1

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

39911

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 X Receipt # 416597
Replacement ____ Date 11/7/90

Name of Installer Cammell Water Systems In Telephone 576-6880

License Number PI 074
Certified Well Pump Installer X Well Driller ____ Registered Plumber ____

Name of Property Owner J+B Telephone 795-6018
Subdivision Twelve Hills Lot # 35 Well Tag # ___-___-___
Site Address Twelve Oak Ct

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible X
2. Make ~~[illegible]~~ Goulds
3. Model # [illegible]
4. Capacity 10 GPM
5. Pump exceeds well capacity Yes ____ No X
6. If Yes, is low pressure cutoff switch installed? Yes ____ No X
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 3450
3. Voltage ____
   a. 110 ____
   b. 220 X

Pitless Adapter
1. Make Martinson
2. Model # B-10X
3. Depth 4'

Tank
1. Capacity 120 Gal
2. Pressure relief valve? yes

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

Well data
1. Depth 180 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: [signature]

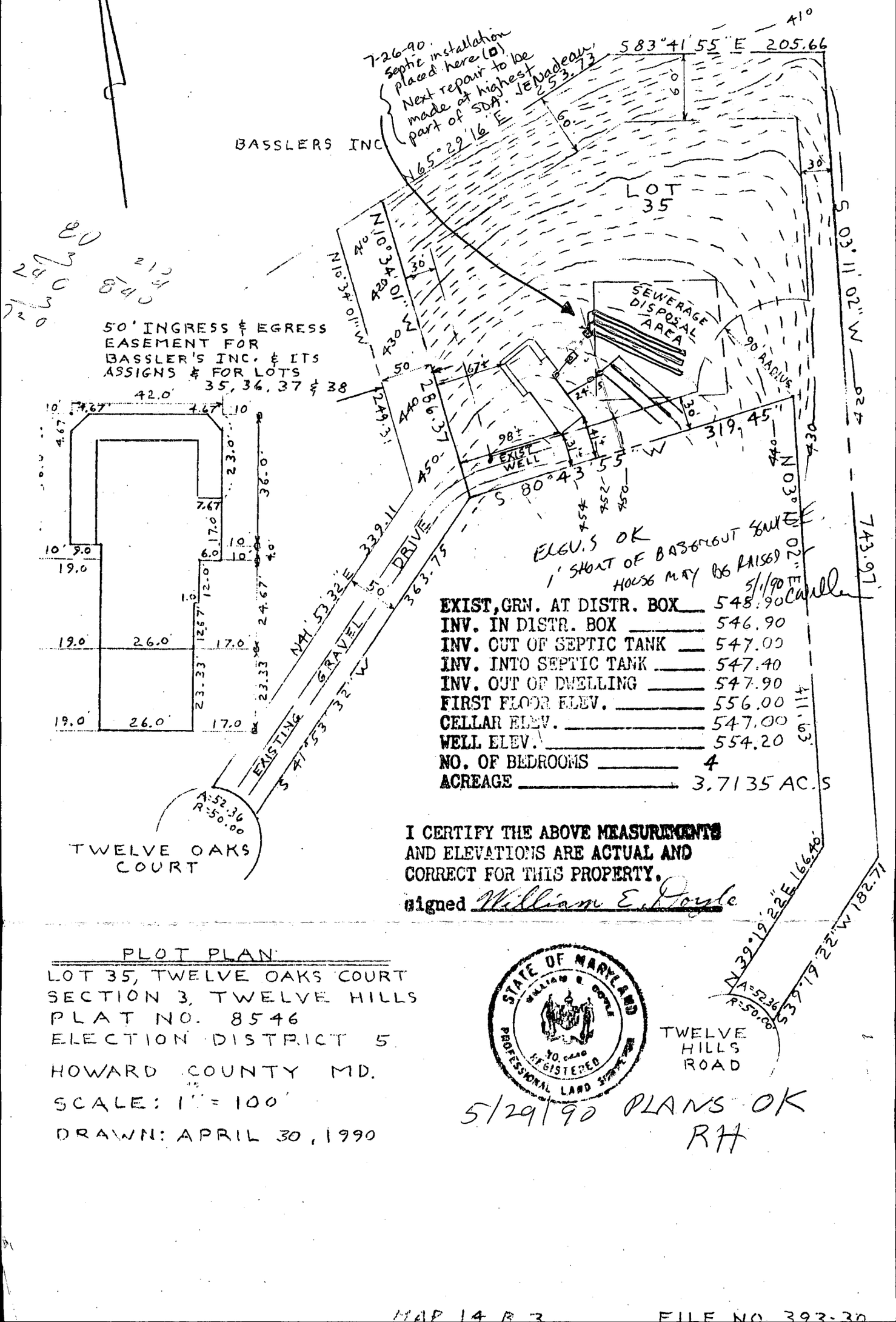
Date: 11/7/90

90 NOV 14 AM 8:43
HOWARD COUNTY HEALTH DEPT. RECEIVED

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

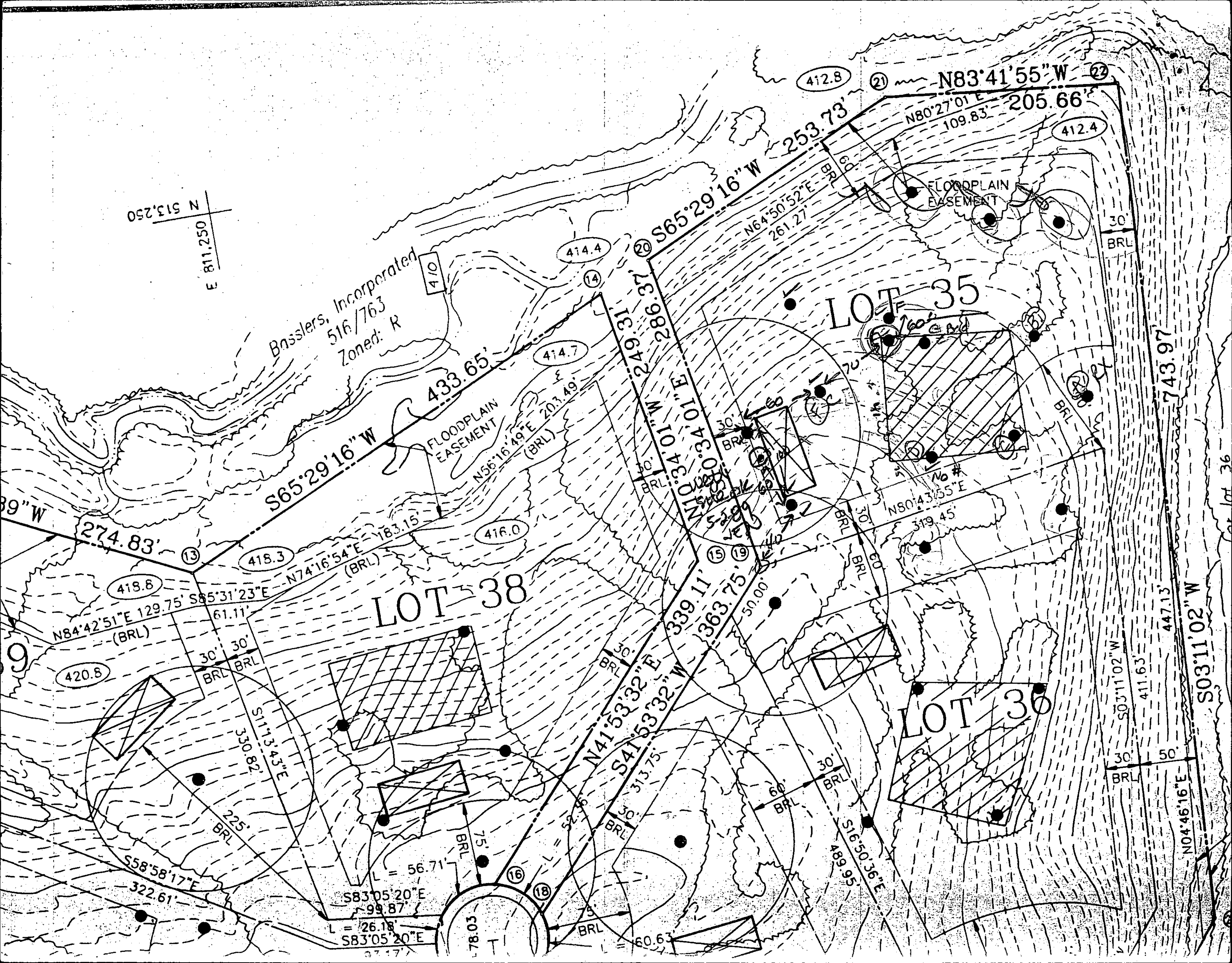
HD-215

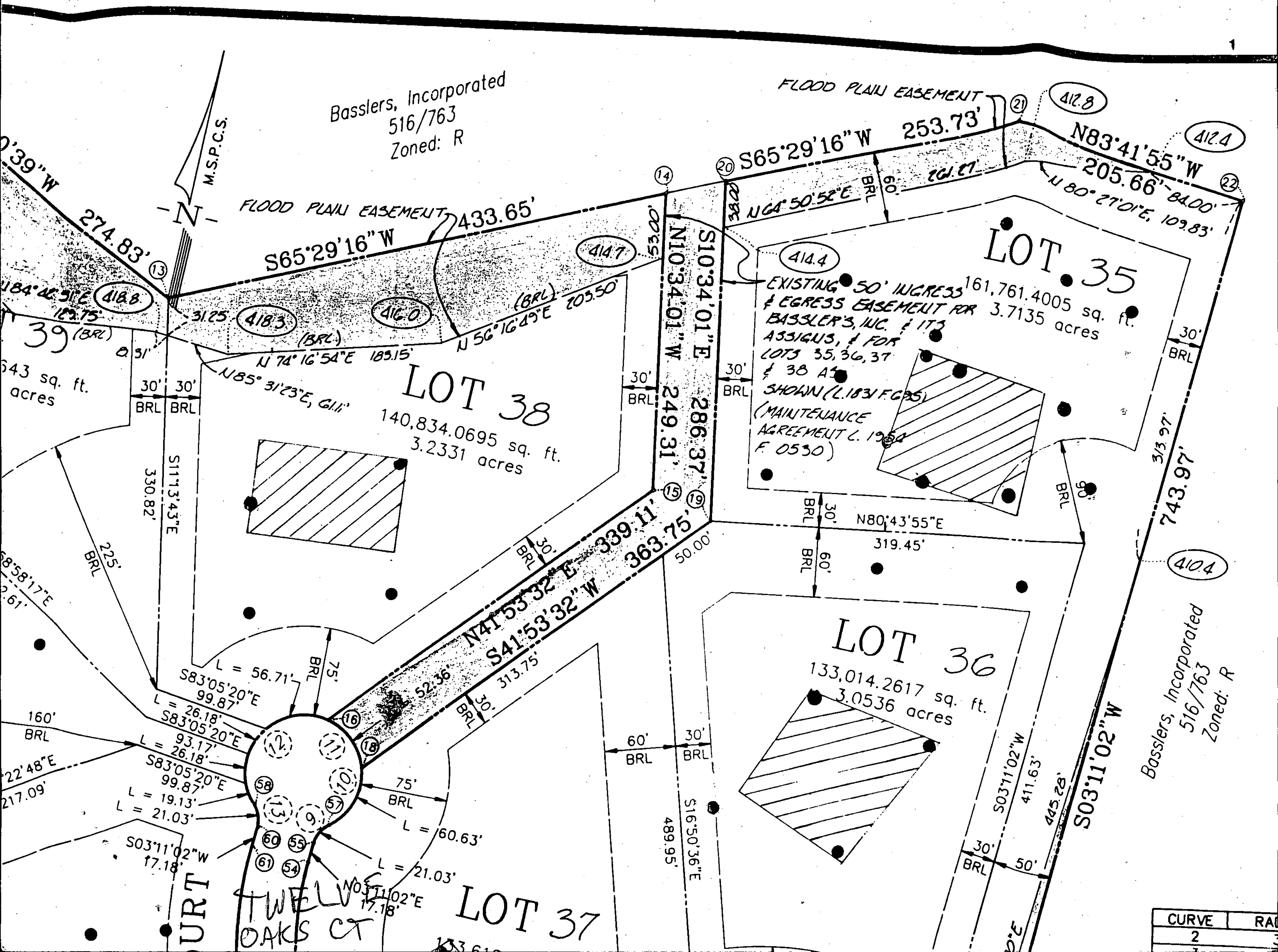
William E. Doyle
LAND SURVEYOR 8440
5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210



PLOT PLAN
LOT 35, TWELVE OAKS COURT
SECTION 3, TWELVE HILLS
PLAT NO. 8546
ELECTION DISTRICT 5
HOWARD COUNTY MD.
SCALE: 1" = 100'
DRAWN: APRIL 30, 1990

MAP 14 B 3 FILE NO. 393-30

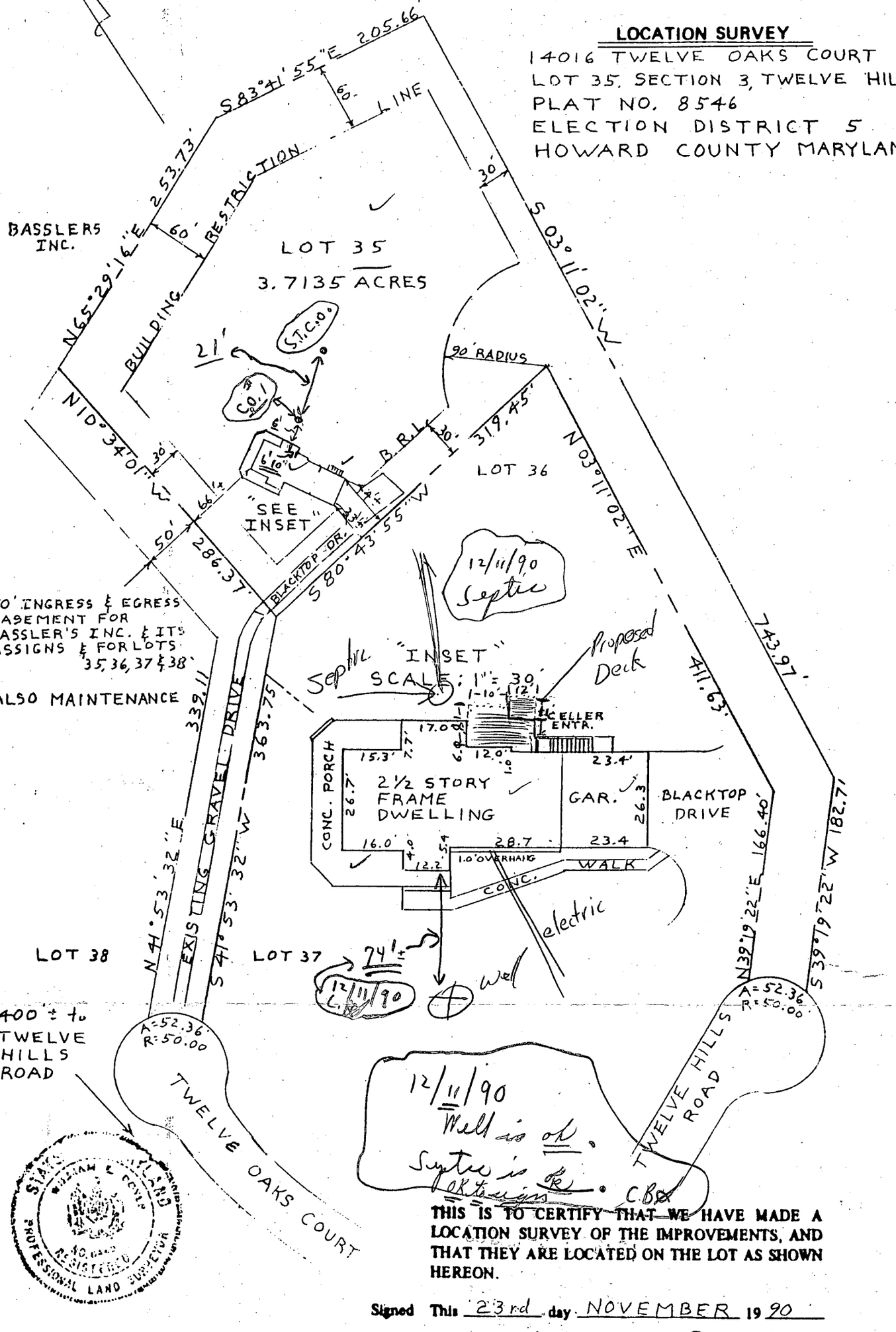

LOT 35
LOT 38
LOT 36
Basslers, Incorporated
516/763
Zoned: R
FLOODPLAIN EASEMENT
FLOODPLAIN EASEMENT
N 513,250
E 811,250
N83°41'55"W
205.66'
S65°29'16"W
253.73'
S65°29'16"W
433.65'
274.83'
N80°27'01"E
109.83'
N64°50'52"E
261.27'
N56°16'49"E 203.49'
(BRL)
N74°16'54"E 183.15'
(BRL)
N84°42'51"E 129.75'
(BRL)
S85°31'23"E
61.11'
N10°34'01"W
249.31'
N10°34'01"E
286.37'
N41°53'32"E
339.11'
S41°53'32"W
363.75'
313.75'
N80°43'55"E
319.45'
S03°11'02"W
743.97'
S03°11'02"W
411.63'
447.13'
N04°46'16"E
S11°13'43"E
330.82'
S58°58'17"E
322.61'
S16°50'36"E
489.95'
S83°05'20"E
99.87'
S83°05'20"E
L = 56.71'
L = 26.18'
50.00'
60.63'
225'
BRL
30'
60'
50'
75'
412.8
412.4
414.4
414.7
416.0
418.3
418.8
420.8
410


Bassler's, Incorporated
516/763
Zoned: R
M.S.P.C.S.
N
FLOOD PLAIN EASEMENT
S65°29'16"W 433.65'
S65°29'16"W 253.73'
N83°41'55"W 205.66'
274.83'
LOT 39
LOT 38
140,834.0695 sq. ft.
3.2331 acres
LOT 35
161,761.4005 sq. ft.
3.7135 acres
LOT 36
133,014.2617 sq. ft.
3.0536 acres
LOT 37
EXISTING 50' INGRESS & EGRESS EASEMENT FOR BASSLER'S, INC. & ITS ASSIGNS, & FOR LOTS 35, 36, 37 & 38 AS SHOWN (L.1831 F.0635) (MAINTENANCE AGREEMENT L. 1954 F. 0530)
N10°34'01"W 249.31'
S10°34'01"E 286.37'
N41°53'32"E 339.11'
S41°53'32"W 363.75'
N80°43'55"E 319.45'
S03°11'02"W 743.97'
S03°11'02"W 411.63'
S16°50'36"E 489.95'
S11°13'43"E 330.82'
N56°16'49"E 203.50'
N74°16'54"E 183.15'
N85°31'23"E 61.11'
N64°50'52"E 261.27'
N80°27'01"E 109.83'
S83°05'20"E 99.87'
S83°05'20"E 93.17'
S03°11'02"W 17.18'
N03°11'02"E 17.18'
L = 56.71'
L = 26.18'
L = 19.13'
L = 21.03'
L = 60.63'
30' BRL
60' BRL
75' BRL
160' BRL
225' BRL
TWELVE OAKS CT
418.8
418.3
416.0
414.7
414.4
412.8
412.4
410.4
CURVE
2
3

William E. Doyle
LAND SURVEYOR 8440
5312 EMERALD DRIVE SYKESVILLE, MARYLAND 21784 PHONE (301) 795-2210

LOCATION SURVEY

14016 TWELVE OAKS COURT
LOT 35, SECTION 3, TWELVE HILL
PLAT NO. 8546
ELECTION DISTRICT 5
HOWARD COUNTY MARYLAN



12/11/90
Well is ok.
Septic is OK to use. C.B.

THIS IS TO CERTIFY THAT WE HAVE MADE A LOCATION SURVEY OF THE IMPROVEMENTS, AND THAT THEY ARE LOCATED ON THE LOT AS SHOWN HEREON.

Signed This 23rd day NOVEMBER 1990

William E. Doyle

SCALE 100 ft. - 1 inch