

5/17/99
3:30
Layout Insp
Meet owner & helper
7/7/99 10 AM
7/19/99 c.o. PM
5/5/99 AM

12/13/99
Pump
test
complete

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXX~~ 410-313-2640

P 511590

A 37377

DISTRICT _____

DATE 5/17/99

DATE SYSTEM APPROVED 12/14/99

INSPECTOR BB

05-408016

INDEXED

Robert Krakat

IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 7937 Hammond Pkwy Laurel 20723 PHONE 301-776-3061

SUBDIVISION Dunfarmin Estates LOT 19 ROAD 14007 Angus Court

PROPERTY OWNER Robert & Lise Krakat

ADDRESS _____

TOP SEAMED TANK REQUIRED
SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

PUMPED SYSTEM PROPOSED

INSTALL: 1-1250 GALLON TOP SEAMED PUMP CHAMBER

NOTES: - Septic pump detail to be provided by installer prior to issuance of septic permit.

- Pump performance test is necessary prior to Health Department approval of pump septic permit.

TRENCHES - 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. 50

LOCATION - Starting at the end of the pipestem, place the distribution box 30 feet down the 290.99' lot line and 10 feet off this same lot line. Run trenches along contour towards the 285.57' lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6 - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/3/99 DKS

PLANS APPROVED BY Donna K. Soe DATE 2-05-1999

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. 90° ELBOWS NOT ACCEPTABLE.

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 35/40 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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

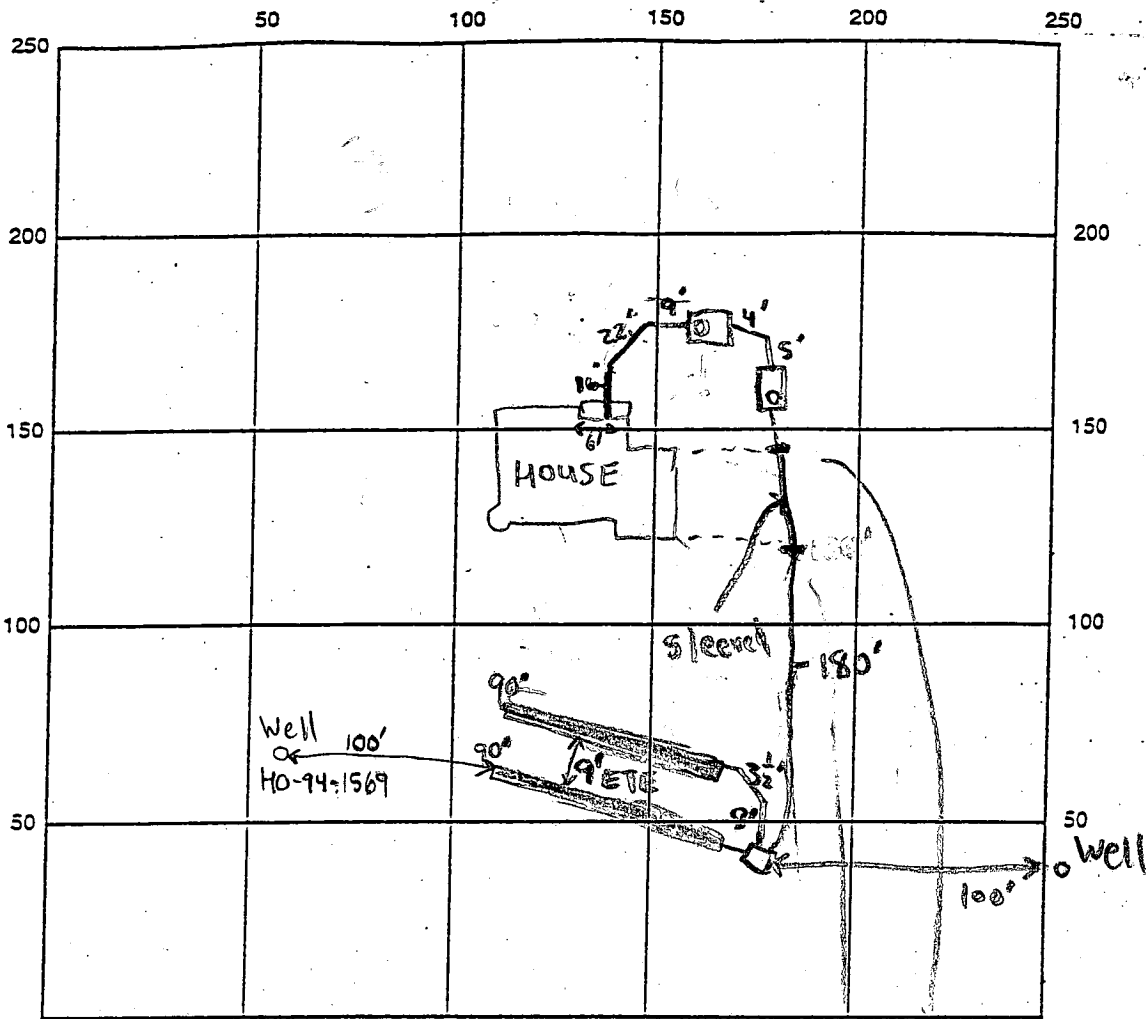
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

800115920 2/5/99
detached garage
800115918 propane
tank 2/5/99

MADE PERMIT SKIN'D
AND RETURNED 8-24-99
Serial # 670 11 9832

propane tank



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASELINE
ANGUS COURT

SEPTIC TANK LEVEL 1500 gallon Top Seam CLEANOUTS Manhole @ Tank

DISTRIBUTION BOX LEVEL

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

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

ABSORBENT AREA N/A SQ. FT.

REMARKS: 5/17/99 MET OWNER @ SITE - CONFIRMED LAYOUT; MOVED D. B. LOC TO

MAINTAIN 100' TO ADJ. WELL (MR) 7/7/99 - OK TO CONTINUE WORK - (SRV)

7/9/99 - OK TO COVER ALL WORK - PUMP TEST NEEDED (SRV)

8/5/99 - WPT OK - (SRV) 12/13/99 Need to level and seal inverts in dist-

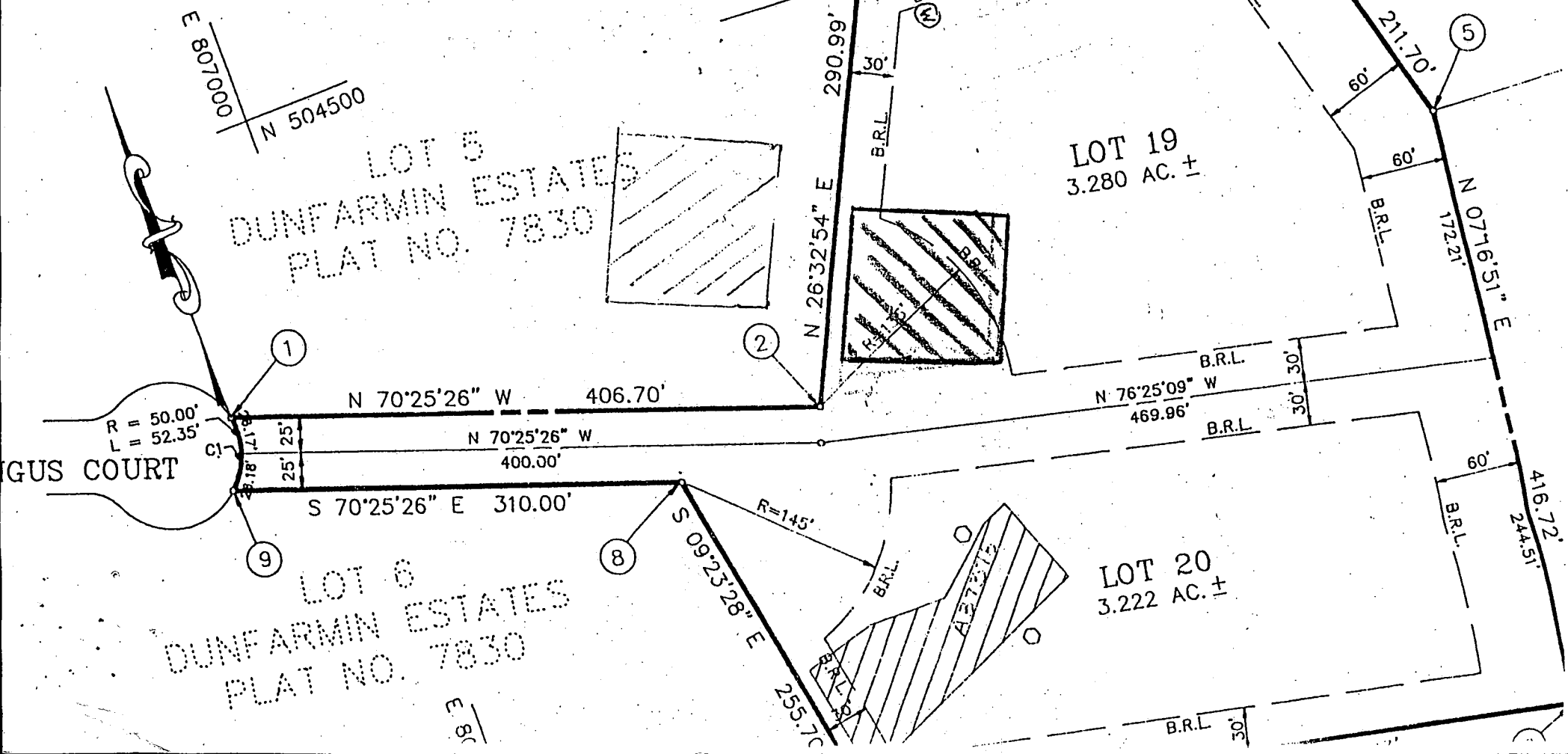
ribution box. (BB) 12/14/99 Inverts in distribution box leveled and

resealed with cement. Passed pump test. (BB)

DATE SYSTEM APPROVED 12/14/99 INSPECTOR B. Baker

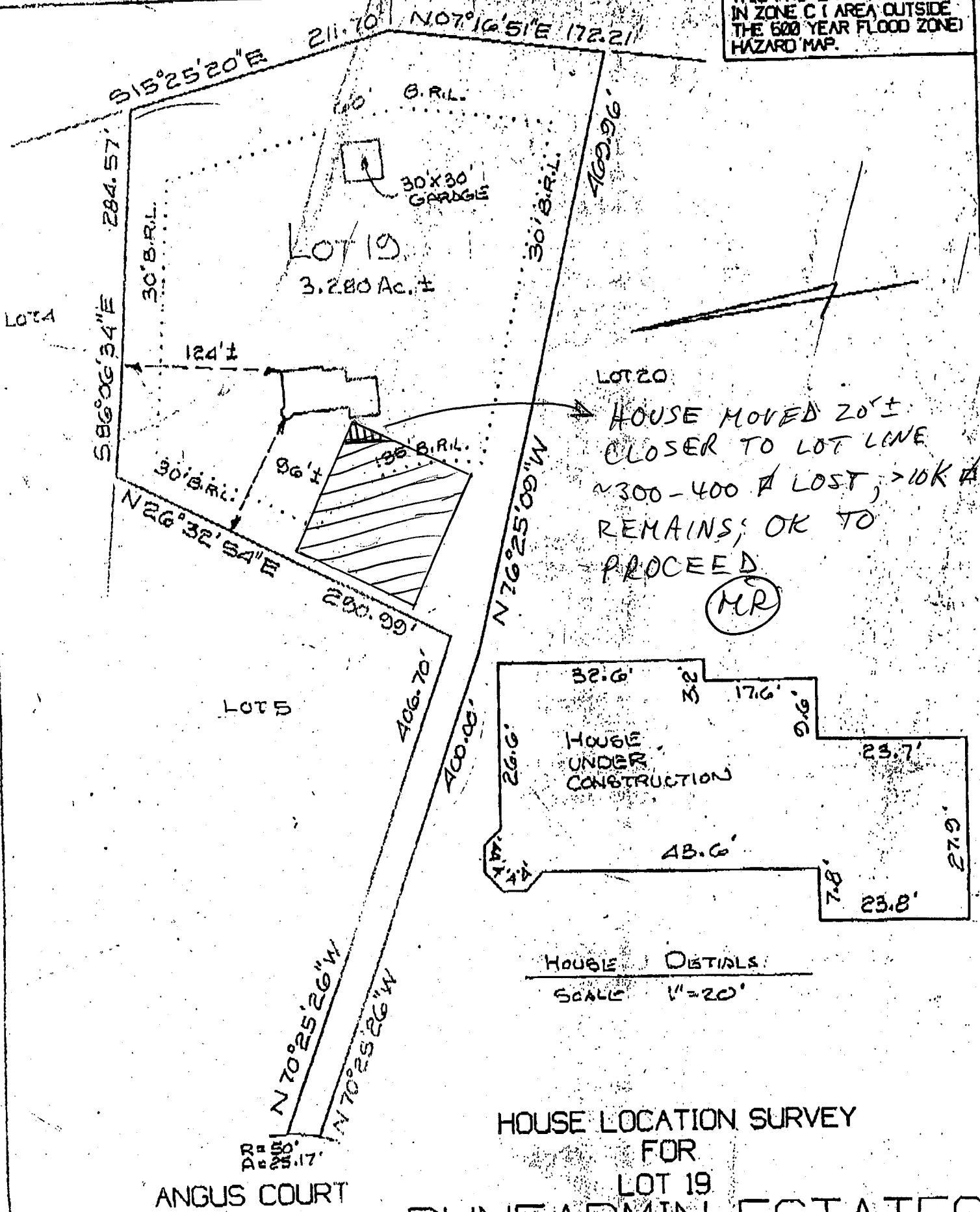
TABLE	
EAST	
	806916.96
0	807300.15
0	807430.20
9	807714.11
61	807770.41
.25	807717.60
2.72	807234.01
4.99	807192.28
8.85	806900.20

DUNFARMIN
PLA



1. THIS PLAN 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.

THIS PROPERTY IS LOCATED IN ZONE C I AREA OUTSIDE THE 500 YEAR FLOOD ZONE HAZARD MAP.



HOUSE LOCATION SURVEY FOR LOT 19

DUNFARMIN ESTATES HOWARD COUNTY MARYLAND

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE PROPERTY DELINEATED HEREON IS IN ACCORDANCE WITH THE PLAT OF SUBDIVISION AND DEED OF RECORD AND THAT THE IMPROVEMENTS SHOWN WERE LOCATED BY ACCEPTED FIELD PRACTICES. THIS HOUSE LOCATION SURVEY IS NOT FOR THE DETERMINING PROPERTY LINES, AND NO TITLE REPORT WAS FURNISHED TO THIS SURVEYOR, AND LOT CORNERS HAVE NOT BEEN SET BY THIS SURVEY.



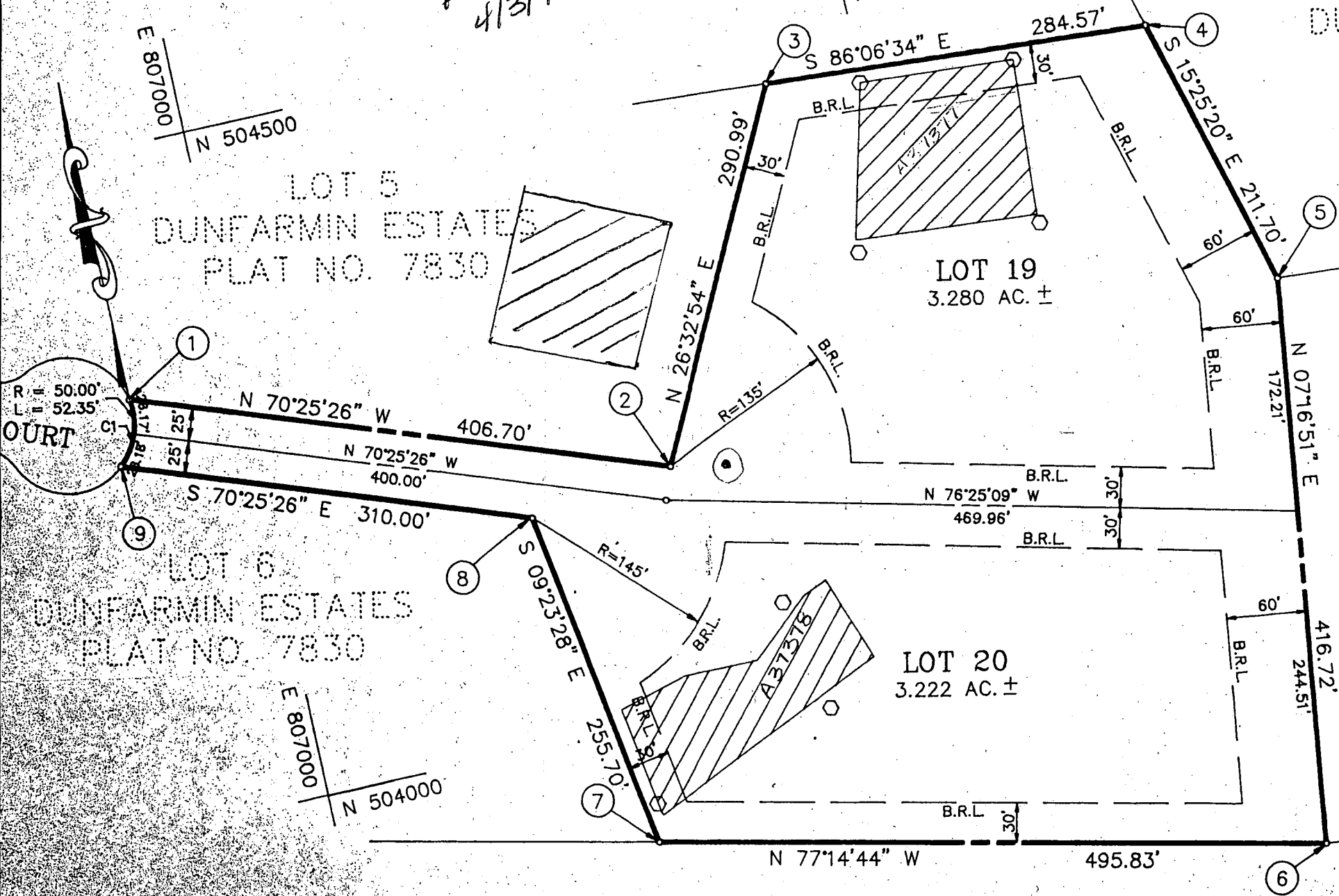
MARYLAND LAND SURVEYING, INC. CONSULTING LAND SURVEYORS AND PLANNERS 9698 LYON AVENUE LAUREL, MARYLAND 20723 (301) 208-5443 FAX (301) 208-5411

SCALE 1" = 100'	DWG BY GEL	JOB NO. KRAKAT
DEED FOLD	ELECTION DISTRICT	COUNTY HOWARD
PLAT BOOK PLAT NO. 9358		DATE 5-24-99

25	807717.00
72	807234.01
99	807192.28
85	806900.20

PLAT NO. 7830

*Approved
E-90-43
4/3/90*



LOT
DUNFARM
PLAT

DUNF
PL

ST. NICHOLS IR AND

E TABLE	
	EAST
0	806916.96
0	807300.15
00	807430.20
.69	807714.11
.61	807770.41
3.25	807717.60
2.72	807234.01
34.99	807192.28
68.85	806900.20

Approved Septic System Plan
Howard County Health Department

[Signature]
Signature

2/5/99
Date

Total linear feet of trench required 180 feet

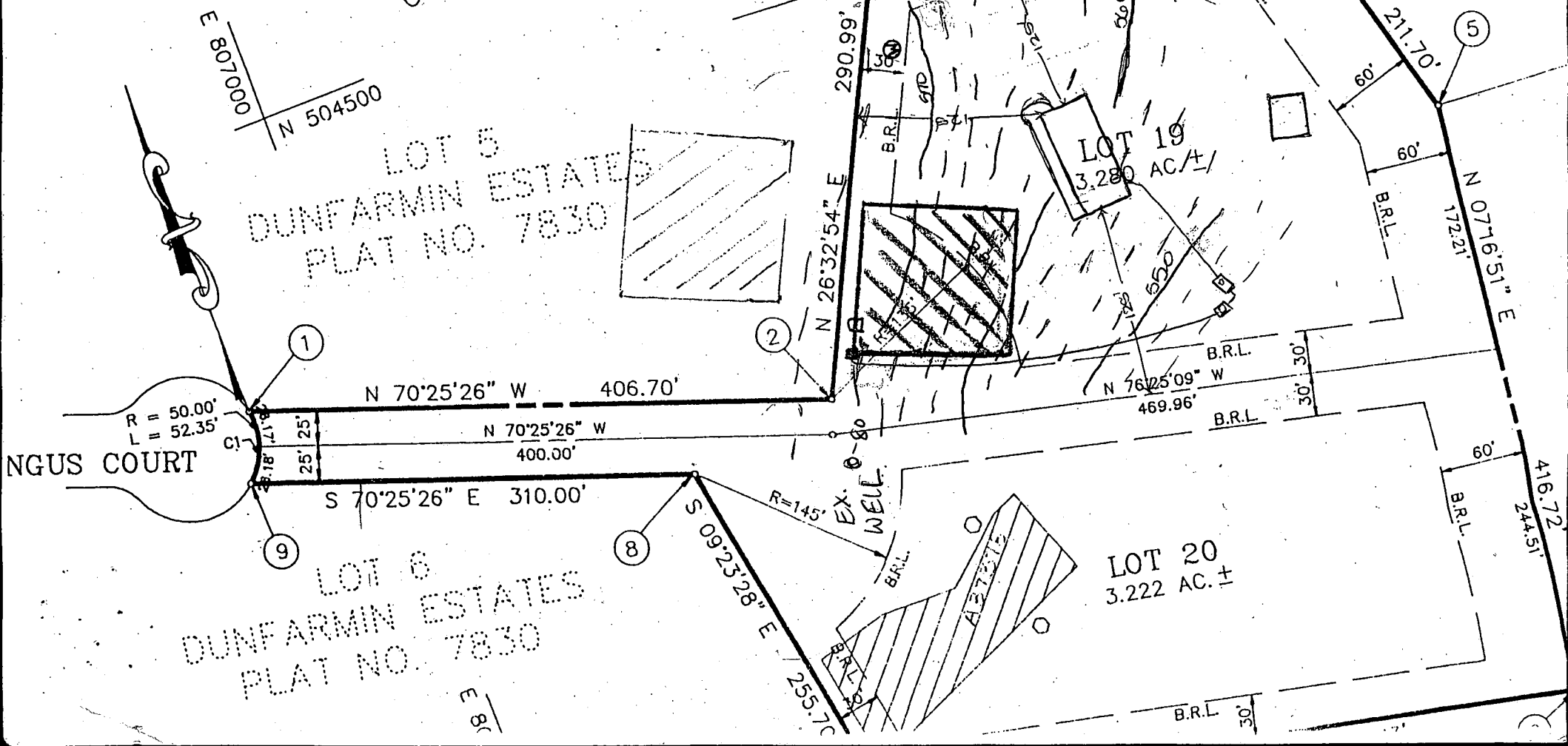
Width of trench(es) 2 feet

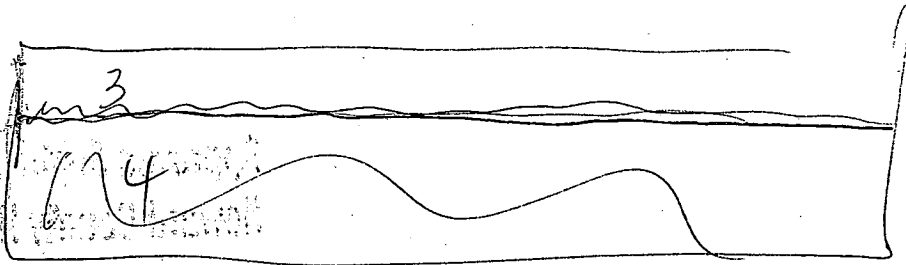
Depth of trench(es) 7 feet

Depth of stone required below distribution pipe 4 feet

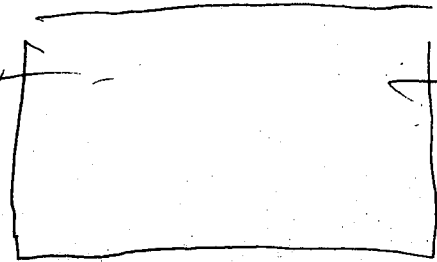
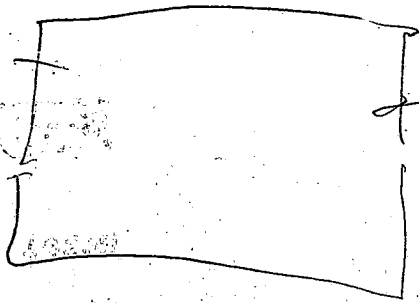
SYSTEM ELEVATIONS
SYSTEM IN AT HOUSE 550.6
IN INTO TANK 545.3
IN OUT OF TANK 545.0
IN INTO PUMP AT 544.8
IN OUT OF " 544.5
EX ELEV AT DISTR. STG 5
IN INTO DIST. P. 567.5

I certify that the above measurements are accurate to the best of my knowledge.
[Signature]
2-5-99

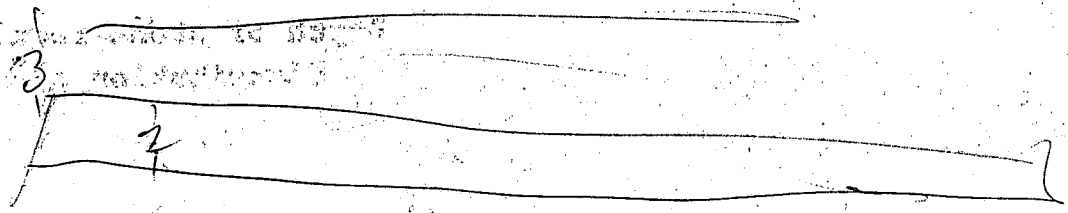




7



1991 _____ (to) ment to able
 1991 _____ (to) ment to able
 1991 _____ (to) ment to able
 1991 _____ (to) ment to able



APPLICATION

A. 37377

SEWAGE DISPOSAL TESTING

P. _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5
DATE 7-14-86

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 Robert & Lisa Krakut
~~S. Turner Nichols & James S. Nichols~~

ADDRESS 13270 Tradelphia Mill Road PHONE 531-2505
Clarksville

PROPERTY LOCATION:

SUBDIVISION Dunfermin LOT NO. 719

ROAD AND DESCRIPTION Free Simple Flag Stem lot
off Highland Road (14107 Angus Court)

SIZE OF LOT 3 Ac TYPE BLDG. _____ NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT James S. Nichols

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

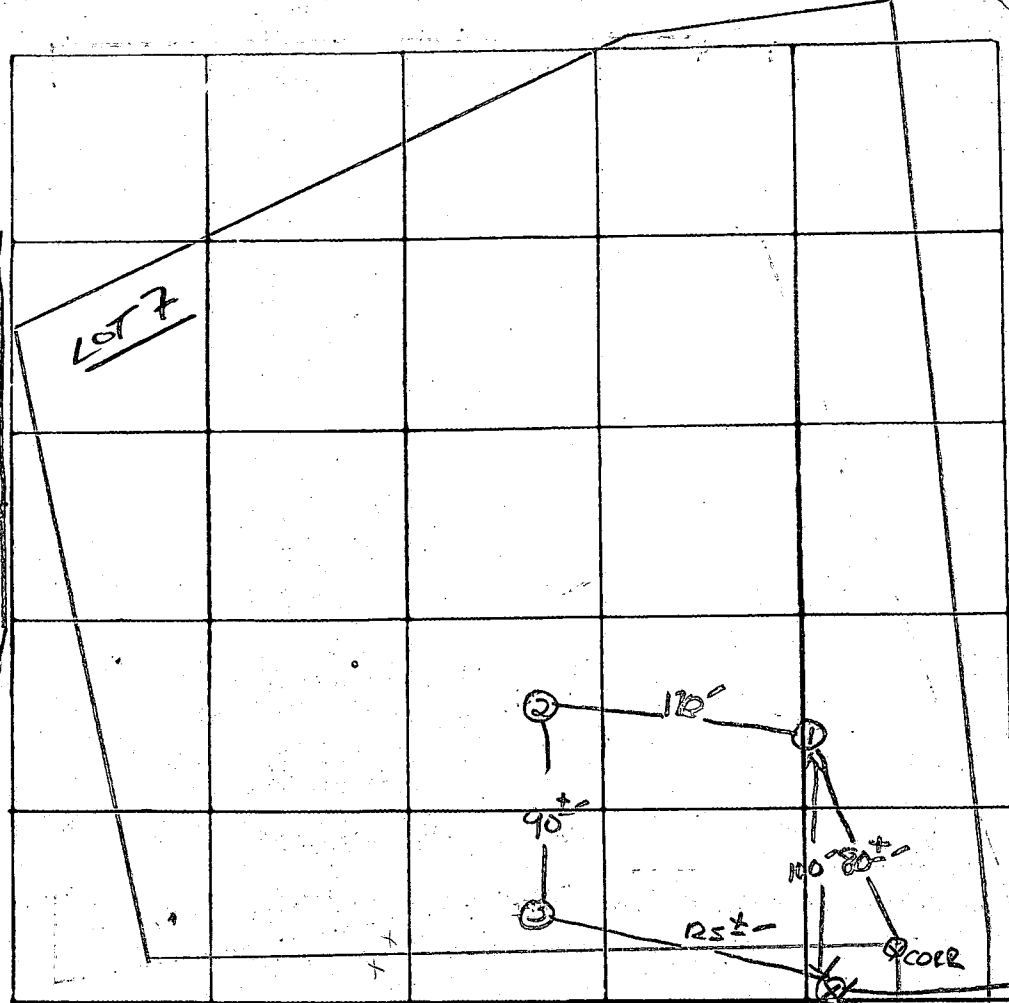
REASONS FOR REJECTION OR HOLDING 8-26-86 PUE. SATISFACTORY; Hold For Subdivision

PLAT. S. Abel BLDG. PERMIT SIGNED
~~AND RETURNED 2-5-99~~
Serial # 484115920
addition - 3 car garage

BLDG. PERMIT SIGNED
~~AND RETURNED 2-5-99~~
Serial # 484115918
SFD - 484115918

THIS IS NOT A PERMIT

① ② ③
 9"
 AP
 Yellow Rd.
 Silt loam ~9%
 Clay <10%
 FRAGMENTS
 3"
 Yellow Brown
 Silt loam
 Highly micaceous
 10-15%
 FRAGMENTS
 13"



7 PERC
 7 MIN
 INLET 3 1/2
 BOTTOM 8
 180 #1 BR
 HOLE LOT 5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 Highland Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/26/86	1 S	3"	12:30	12:32	12:32	12:36	4 MIN
	1 V	13"	UNIFORM SOIL BELOW 3"				
	2 S	3"	12:41	12:45	12:45	12:52	7 MIN
	2 V	13"	UNIFORM SOIL BELOW 3"				
	3 S	3.5"	12:54	12:55	12:55	12:56	1 MIN
	3 M	8.5"	12:54	12:55	12:55	12:58	3 MIN
	3 V	12.5"	UNIFORM SOIL BELOW 3.5"				
	HOLE LOT 5 →	4"	10:26	10:35	10:35	10:51	16 MIN
		13"	SAME AS HOLE 10 2 4/0		UNIFORM SOIL SAND		

REMARKS HOLE DIFF. THAN PLAT.
 TYPE OF SOIL Glenelg / CHESTER
 TESTED BY S. Abel ALSO PRESENT: FYOCK & CO.

APPLICATION

57377

SEWAGE DISPOSAL TESTING

P. _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT 5

P O BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DATE 7-14-86

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 S Turner Nichols & James S. Nichols

ADDRESS 13270 Tradelphias Mill Road PHONE 531-2505
Clarksville

PROPERTY LOCATION:

SUBDIVISION Dunfarmin LOT NO. 719

ROAD AND DESCRIPTION Fee Simple Flag Stone lot
off Highland Road

SIZE OF LOT 3 AC TYPE BLDG. _____
NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT James S. Nichols

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR (HOLDING) 4-5-89 Wet season retest. Holding for perc hole location, well site may be limited. Confirm distances to neighboring septic easements before approval. JEN

THIS IS NOT A PERMIT

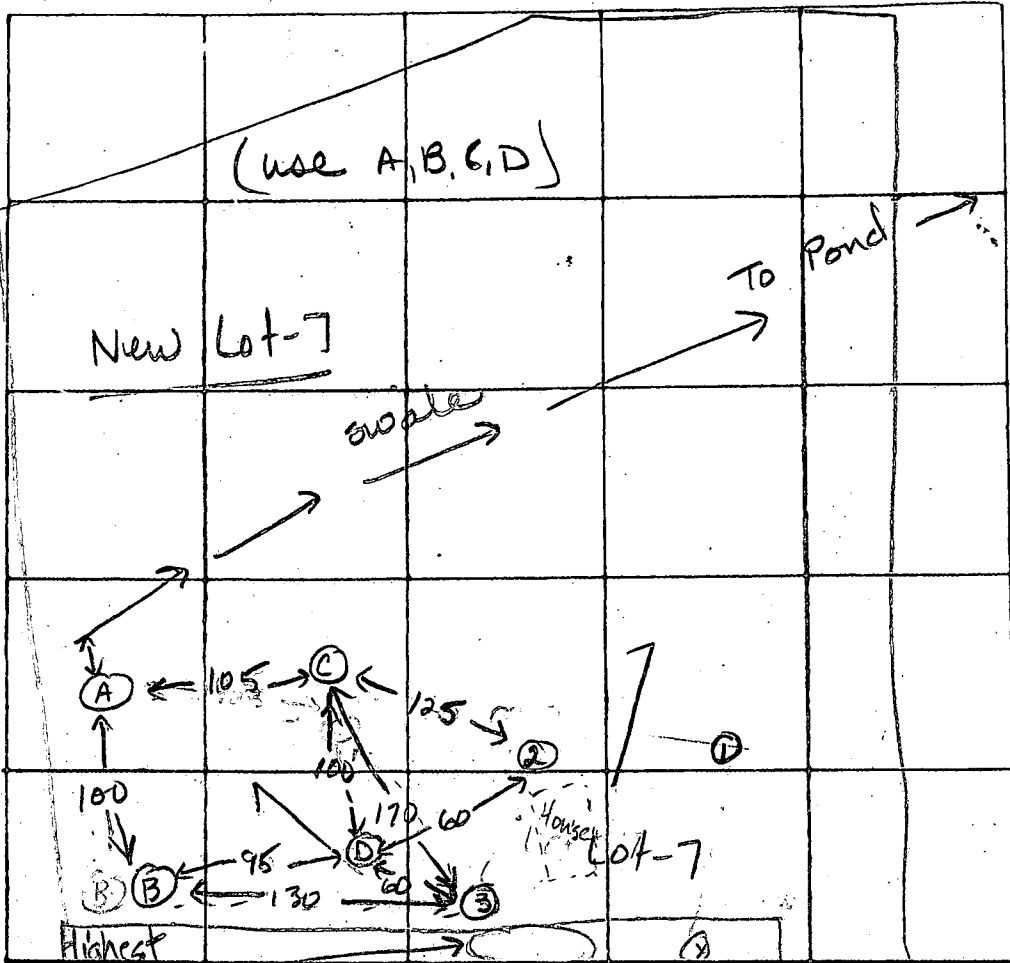
A 37377

(A) (C)

(use A, B, C, D)

Highest old 3
D
2
B
C
A
Lowest

0-2.5 Rd-br
si cl/m
2.5-13.0 Rd mica
sa si
lm, some
saproelite
415%
13.0 Bottom



SHALLOW
 $\bar{X} = 7$ min
Inlet = 3.5 ft
Bottom = 6.0 ft
210 sq ft / bdrm

(B)
0-3.5 Rd-br si
cl/m
3.5-13.0 Tan-white
sa si/m,
little
decomp
pegmatite
440%
13.0 Bottom

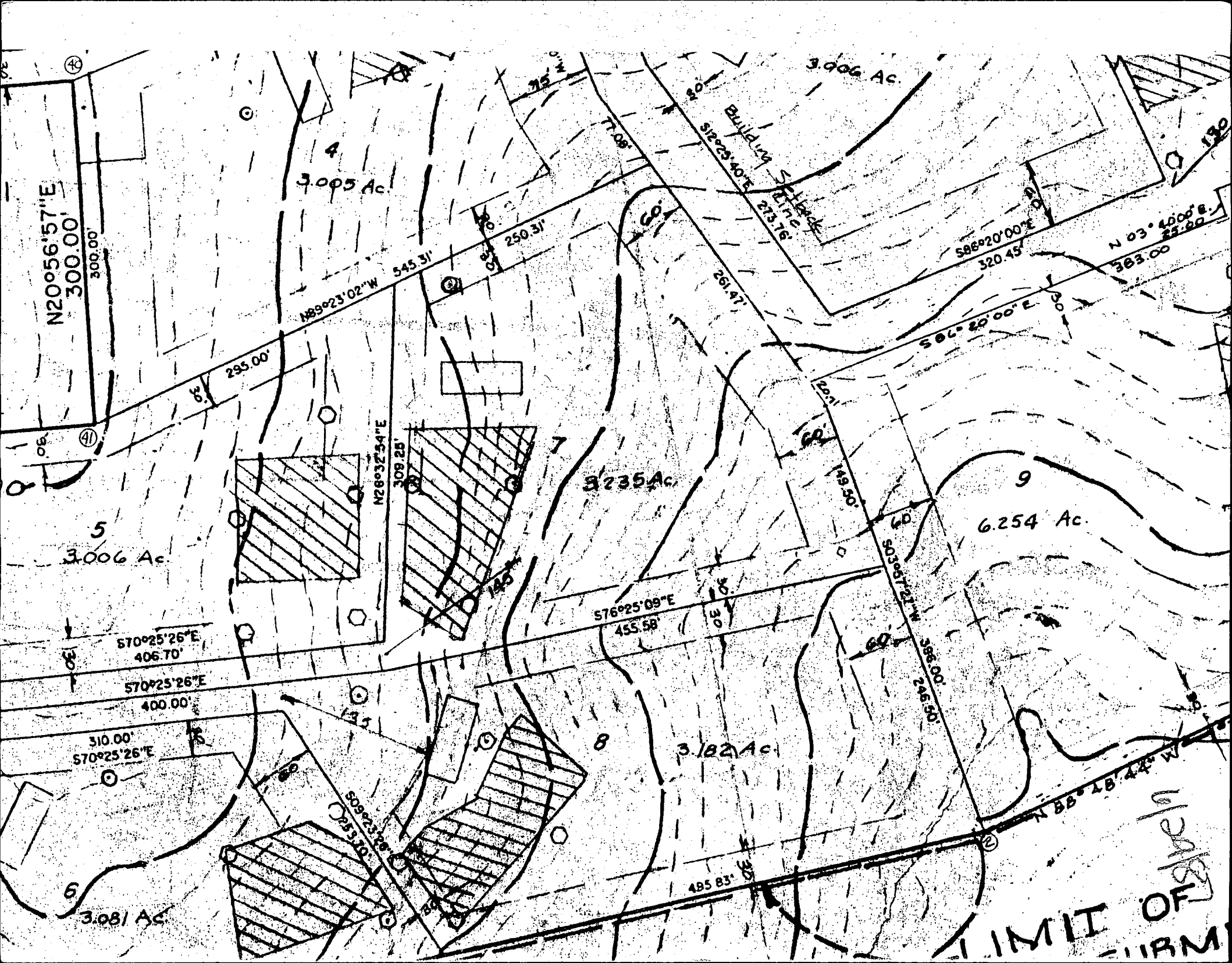
(D)
0-4.0 Rd-br
si cl/m
4.0-13.0 Red
mica
sa si
lm,
410%
saproelite
13.0 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-5-89	A	4.0 S	9:44	9:45	9:45	9:50	5 min
		13.0 D	Bottom (see profile)				ok
	C	4.0 S	9:48	9:59	1/4 inch		slow
		13.0 D	Bottom (clay to 6.0 ft)				ok
	B	4.5 S	9:53	9:57	9:57	10:07	10 min
		13.0 D	Bottom (see profile)				ok
D	13.0 V	See Profile				ok	
	C	6.0 S	10:11	10:13	10:13	10:19	5 min

REMARKS Holes moved to accommodate well site. Two previous attempts at drilling were dry holes.

TYPE OF SOIL 0-4 Rd-br si cl/m, 3-13 Rd mica sa si lm, 415% saproelite

TESTED BY Jane E. Nadeau ALSO PRESENT Jack Flock
Owner



N20°56'57"E
300.00'
300.00'

3.005 Ac

3.906 Ac

N89°23'02"W
545.31'

295.00'

N26°32'54"E
308.25'

5
3.006 Ac

3.235 Ac

6.254 Ac

570°25'26"E
406.70'

570°25'26"E
400.00'

310.00'
570°25'26"E

576°25'09"E
455.58'

3.182 Ac

3.081 Ac

485.83'

LIMIT OF SURVEY

BUILDING STRAKE
S12°25'40"E
273.76'

S86°20'00"E
320.45'

N 03° 40'00" E
383.00'

S64° 20' 00" E
320.45'

S03°51'21"W
586.00'
246.550'

N 88° 48' 44" W

C1 9702 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A37377

ST/CO USE ONLY DATE RECEIVED 6-26-98

DATE WELL COMPLETED MM 06 DD 18 YY 98 Depth of Well 22 400' 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-94-1569

OWNER KRAKAT LISA STREET OR RFD ANGUS CT. TOWN CLARKSVILLE SUBDIVISION DUNFARMIN SECTION LOT 19

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 19 NO. OF POUNDS 1786 GALLONS OF WATER 114 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 48 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 1.2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 39 ft. WHEN PUMPING 328 ft. TYPE OF PUMP USED (for test) S submersible

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand (0-53) and Gray Mica Rock (53-400).

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 57

OTHER CASING (if used)

SCREEN RECORD insert appropriate code below ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

C 2

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, N and depth values (56, 400').

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES) YES (NO) NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE - below 1 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 2

WELL HYDROFRACTURED YES Y NO N

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 26.04.04 "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.

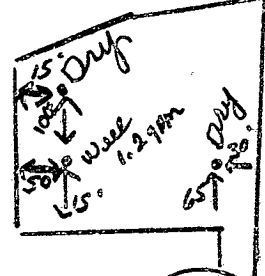
DRILLERS LIC. NO. 1 MSD024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MSD027

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W O

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

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)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1569
 Location of property (road) ANGUS Ct
 Subdivision Dunfarmin Estates Lot 19 Block _____ Plat _____ Sec. _____
 Well Driller J. Mayne Owner Krakat

Depth of well 400'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 39'

I. High rate pumping -- reservoir drawdown 20 gpm

Time pump started 7:00 Pumping rate 1.2 gpm
 Total time 45 min to reach pumping water level 328 ft. Below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	141	3 sec.	N/A	20 gpm
7:30	252	4		1.5
7:45	328	5		1.2
8:00	325	60		1
8:15	324	60		1
8:30	324	55		1+
8:45	324	55		1+
9:00	324	55		1+
9:15	324	55		1+
9:30	322	55		1+
9:45	322	50		1.2
10:00	322	50		1.2
10:15	321	50		1.2
10:30	321	50		1.2
10:45	321	50		1.2
11:00	320	50		1.2
11:15	320	50		1.2
11:30	320	50		1.2
11:45	320	50		1.2
12:00	320	50		1.2
12:15	320	50		1.2
12:30	320	50		1.2
12:45	320	50		1.2
1:00	320	50		1.2

HD-224 1:15 320
 1:30 320
 1:45 320

50 1.2
 50 1.2
 50 1.2

B 1	6707	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-1569 <small>70 fill in this form completely 79</small>
-----	-------------	--------------------------------	---	---

Date Received (APA) **5-15-98**

OWNER INFORMATION

8 MM DD YY 13
Krakat **Luis**
15 Last Name Owner First Name 34

36 **15319 Bauer Lane**
Street or RFD 55

57 **Laurel** **md.** **2007**
Town 70 State 72 Zip 76

LOCATION OF WELL

B 3 **Howard** 8 COUNTY 21

Dunfarmin Estates
23 SUBDIVISION 42

SECTION **19** LOT **19**
44 46 48 50

Clarksville
52. NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **2 1/2** M I
73 76 77 78

DRILLER INFORMATION

Joseph L. Mayne **MS D024**
Driller's Name 76 License No. 81

Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd. Mt. Airy, Md. 21771
Address

Joseph L. Mayne **5/14/98**
Signature Date

ANGUS COURT.

11. **Angus Court.** 30

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

NORTH
WEST EAST
SOUTH

34 **841** 37
DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: BLK: PARCEL

WELL INFORMATION

B 2 **5**
APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD **A 37377**
COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S →

DATE ISSUED **06/01/98** **6/19/99**
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **504 000** EAST GRID **0807 000**
50 55 57 63

USE FOR WATER (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

APPROXIMATE DEPTH OF WELL **300** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

3 CABLE REVerse-ROTary DRive-POINT

other _____

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

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G A P 54 63

PERMIT No. **HO-94-1569**
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

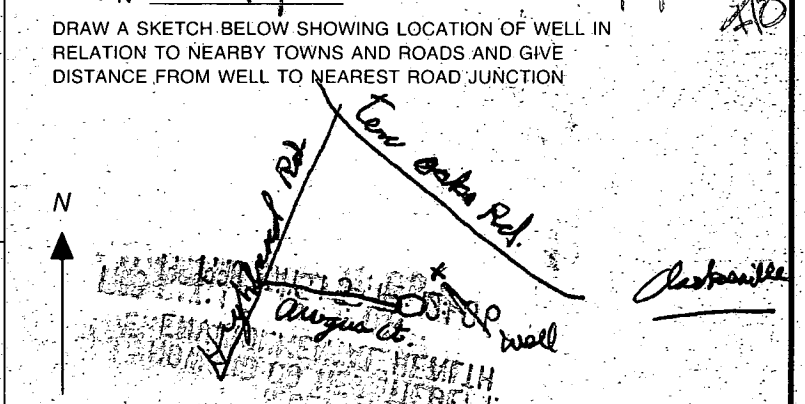
- well**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E **8007**

N **5004**

6-18-98 930 gprot
51' casing
48' open hole
19 bags cement
location of tag on well
400000



LOT 5
DUNFARMIN ESTATES
PLAT NO. 7830

LOT 19
3.280 AC. ±

LOT 6
DUNFARMIN ESTATES
PLAT NO. 7830

LOT 20
3.222 AC. ±

COURT
R = 50.00'
L = 52.35'

*OK to drill
wells anywhere
in this
blue
area*
9/15/08

*gibbs
S. Nichols
James S. Nichols*

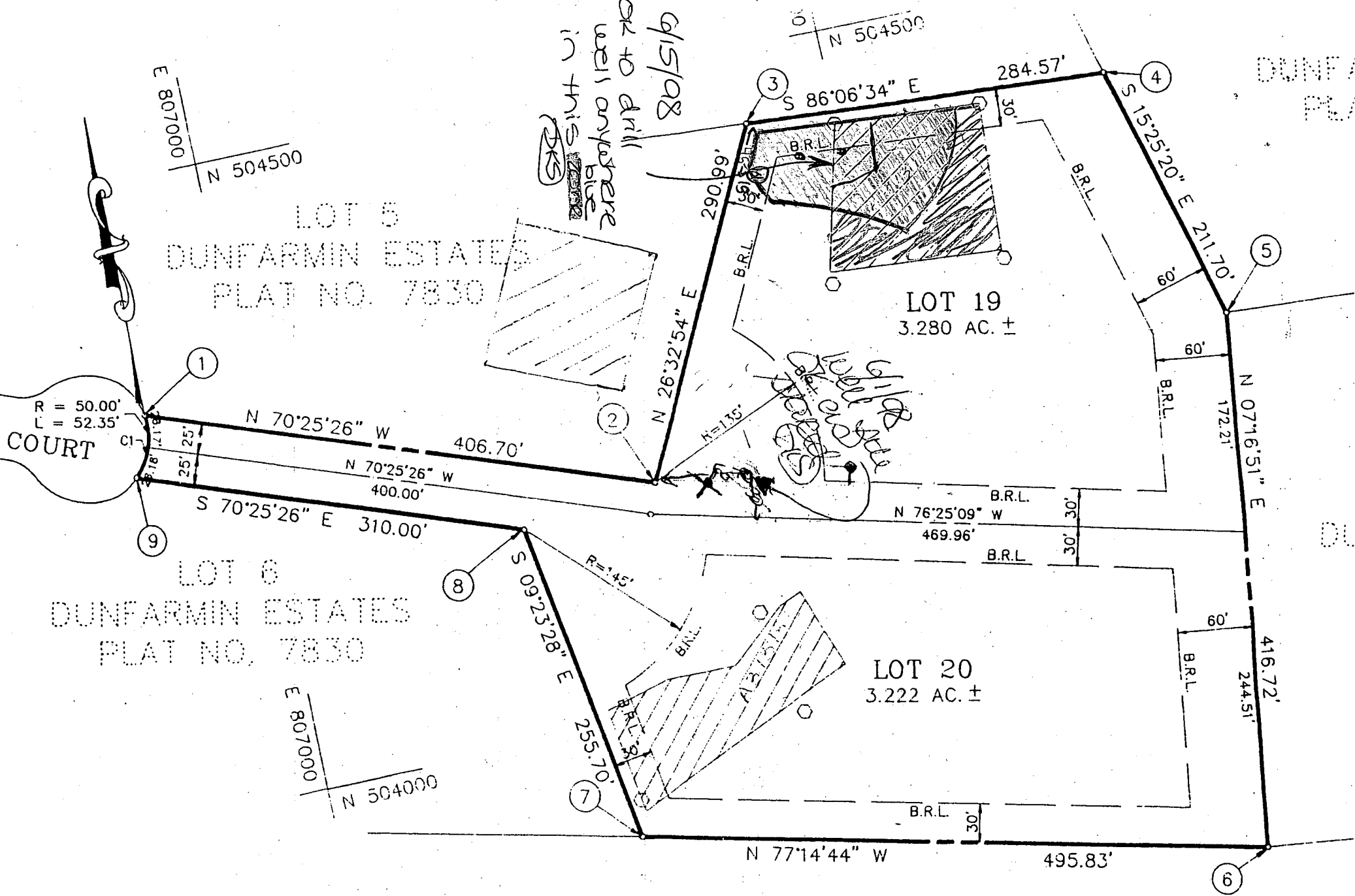
E 807000
N 504500

E 807000
N 504000

N 504500

DUNFA
PLA

DU



S.T. NICHOLS, JR. AND
JAMES S. NICHOLS
L-749 F-545

C1 2137

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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 A 37377

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

8 9 10 11 12 13

14 15 16 17 18 19 20

22 23 24 25 26

28 29 30 31 32 33 34 35 36 37

OWNER: JAMES NICHOLS; STREET OR RFD: ANNE ARDENS COURT; TOWN: CLARKSVILLE; SUBDIVISION: ANNE ARDENS ESTATES SECTION; LOT: 19

WELL LOG: Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC); NO. OF BAGS: 8; NO. OF POUNDS: 750

PUMPING TEST: HOURS PUMPED: 8; PUMPING RATE: 11 gal. per min.; METHOD USED TO MEASURE PUMPING RATE: WATER LEVEL

Table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten notes: 'Drilled 2 dry wells 300, 285'.

DEPT. OF GROUT SEAL (to nearest foot): from 48 ft. to 58 ft.

BEFORE PUMPING: 17; WHEN PUMPING: 22

Handwritten notes: 'Filled in with cement + drilling materials. Sand + gray mica rock - 2 Dry holes'

CASING RECORD: casing types insert appropriate code below. Codes: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER)

TYPE OF PUMP USED (for test): A (air), P (piston), T (turbine), C (centrifugal), R (rotary), O (other), J (jet), S (submersible)

MAIN CASING: Nominal diameter top (main) casing (nearest inch); Total depth of main casing (nearest foot)

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO; TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE

Handwritten notes: '2 Dry holes'

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

CAPACITY: GALLONS PER MINUTE (to nearest gallon); PUMP HORSE POWER

Handwritten notes: '2 Dry holes'

SCREEN RECORD: screen type or open hole insert appropriate code below. Codes: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

PUMP COLUMN LENGTH (nearest ft.); CASING HEIGHT (circle appropriate box and enter casing height)

Handwritten notes: '2 Dry holes'

DEPTH (nearest ft.) for each screen section

LAND SURFACE (nearest foot); LOCATION OF WELL ON LOT

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

SLOT SIZE 1 2 3; DIAMETER OF SCREEN (NEAREST INCH)

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

GRAVEL PACK: IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68



DRILLERS IDENT. NO. 238; DRILLERS SIGNATURE: James L. Moore

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER); T (E.R.O.S.), WQ (OTHER DATA)

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

TELESCOPE CASING; LOG INDICATOR

RECEIVED
HOWARD COUNTY
HEALTH DEPT
ELICOTT CITY, MD.
MAR 9 9 31 AM '88

3/8/88

only 2 available well
sites - dry holes -

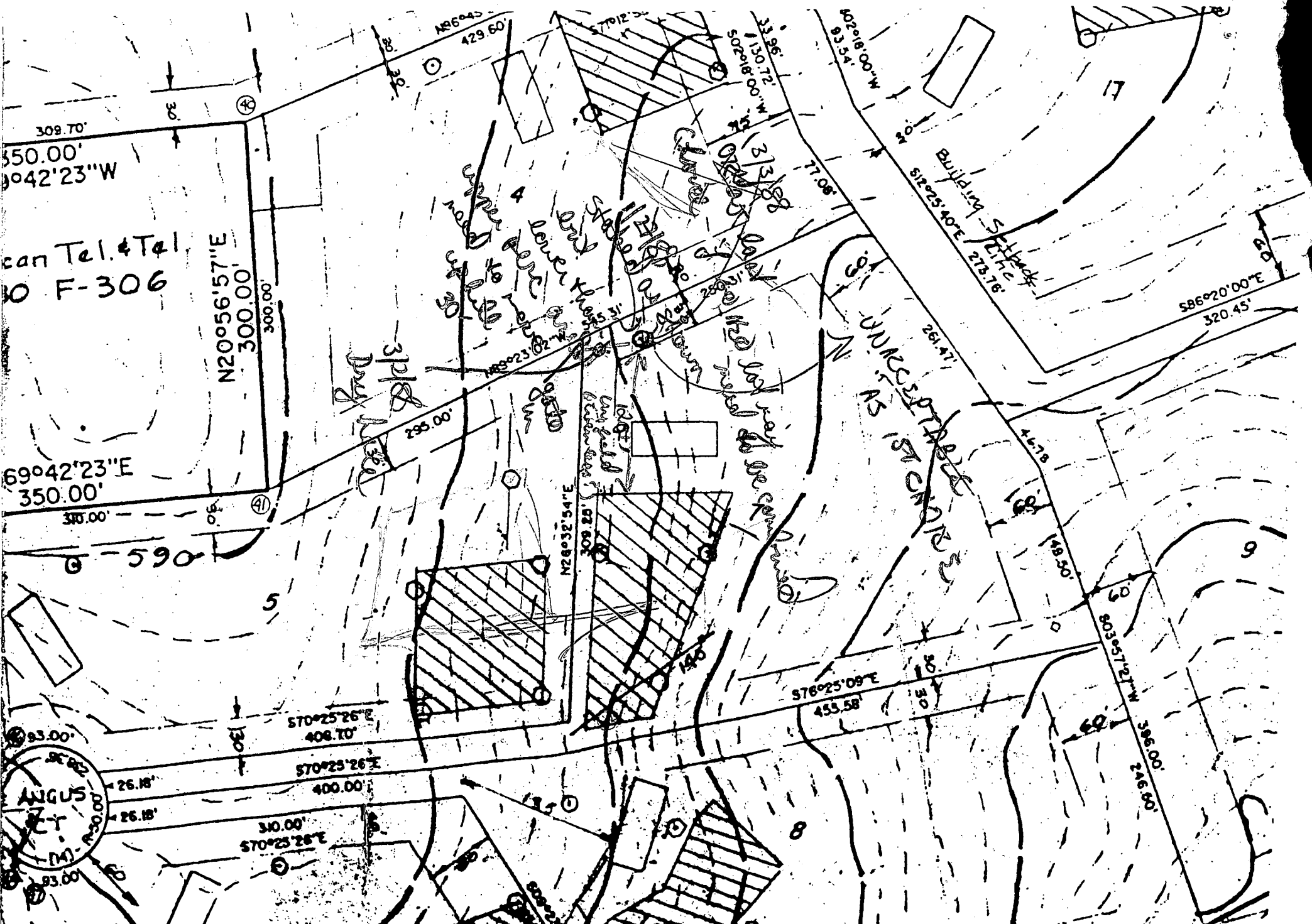
developer/owner plans
to incorporate lot 7

w/ lot 8 to make lge lot.

*
Tag to be returned by
driller.

Tag returned

RECEIVED
HOWARD COUNTY
HEALTH DEPT
MAR 9 4 21 PM '88



can Tel. # Tel
30 F-306

69°42'23"E
350.00'

ANGUS
ST
(M)
30.00'

N20°56'57"E
300.00'

570°25'26"E
408.70'

570°25'26"E
400.00'

30.00'
570°25'26"E

N86°43'
429.60'

288.00'

N28°32'54"E
309.20'

578°25'09"E
453.58'

S63°51'12"W
386.00'

S86°20'00"E
320.45'

upper road
lower road

UNRESERVED
AS ST CARRIAGE

Building
Setback

33.88'

130.12'
502°48'00"W

402°18'00"W
83.54'

512°25'40"E
218.78'

148.50'

386.00'

25.41'

9

8

7

6

5

4

3

2

1

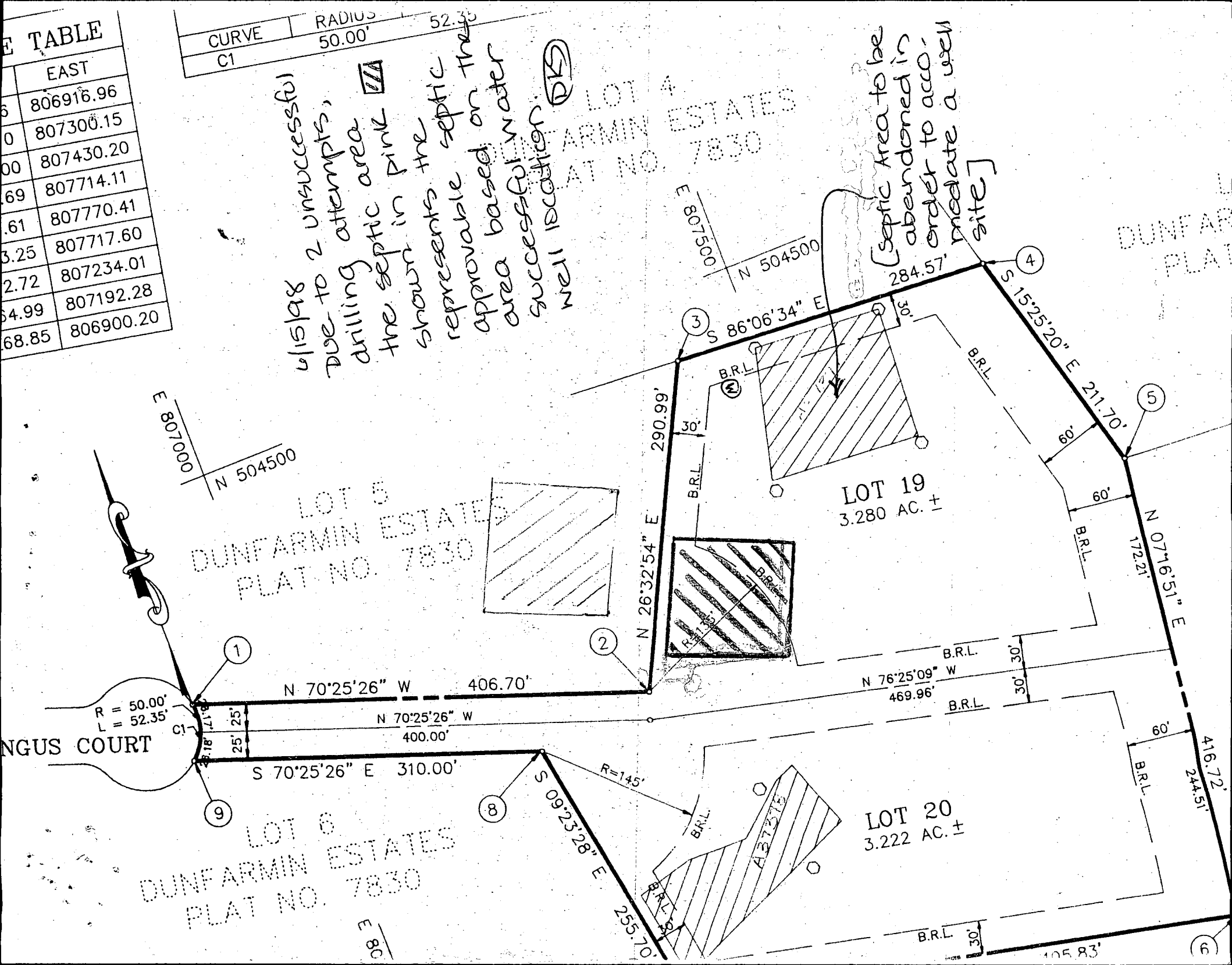
E TABLE	
	EAST
6	806916.96
0	807300.15
00	807430.20
69	807714.11
.61	807770.41
3.25	807717.60
2.72	807234.01
4.99	807192.28
68.85	806900.20

CURVE	RADIUS	52.35
C1	50.00'	

4/15/98 unsuccessful due to 2 unsuccessful drilling attempts, the septic area shown in pink represents the septic area based on the successful water well location. (DK)

LOT 4
DUNFARMIN ESTATES
PLAT NO. 7830

DUNFARMIN ESTATES
PLAT NO. 7830



LOT 5
DUNFARMIN ESTATES
PLAT NO. 7830

LOT 6
DUNFARMIN ESTATES
PLAT NO. 7830

LOT 19
3.280 AC. ±

LOT 20
3.222 AC. ±

ANGUS COURT

[Septic Area to be abandoned in order to accommodate a well site]

43737E