

6/7/96
A.M.
(WPI also)

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56962

A 40870

DISTRICT 4th

DATE 5/31/96

DATE SYSTEM APPROVED 6/7/96

INSPECTOR CLW

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX461-9933~~ 313-2640

349830

INDEXED

J. Joseph Gartland IS PERMITTED TO INSTALL ALTER

ADDRESS 1835 West Old Liberty Rd., Westminster, MD 21157 PHONE 410-875-2400

SUBDIVISION Foxmoor Estates LOT 1 ROAD 17701 Foxmoor Drive

PROPERTY OWNER Eric C. Gwin

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS TOP SEAM TANK

NUMBER OF BEDROOMS 4

460

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 25 feet of stone below distribution pipe.

LOCATION - Start the first trench 150 feet off the front lot line and 135 feet off the right lot line as seen when facing the lot from Foxmoor Drive. Run trenches along contour in both directions. Place the septic tank at a point 160 feet from the front lot line and 140 feet from the right 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. 5/17/96 OK All

PLANS APPROVED BY Glen Savage DATE 04/01/96

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

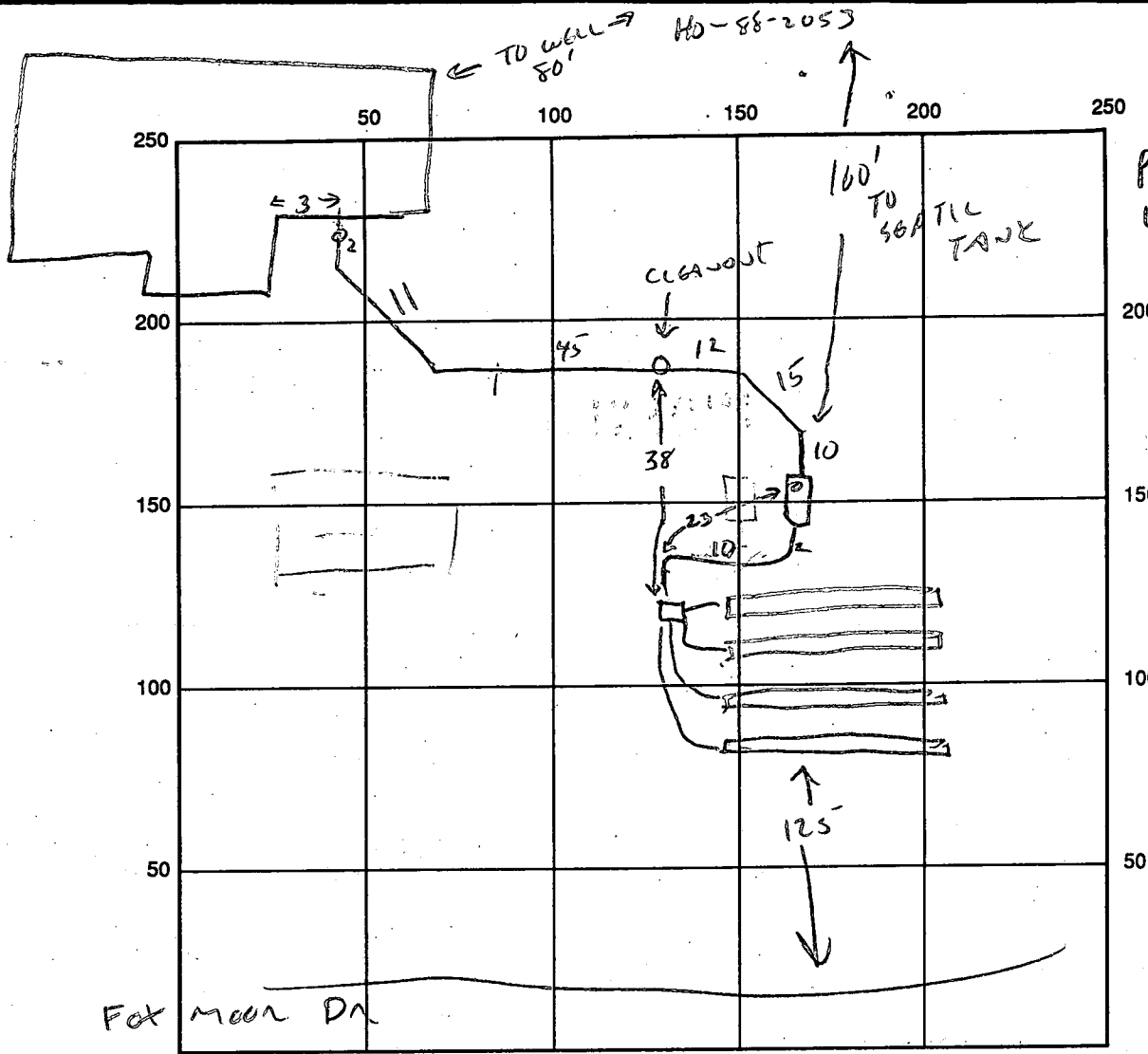
PERMIT VOID AFTER TWO YEARS

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**

A
410870



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL ✓ CLEANOUTS ST + 2 INLINE

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4 @ 60' ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA 720 SQ. FT.

REMARKS: SYSTEM COMPLETE - OK TO COVER ALL 6/7/96 CW

DATE SYSTEM APPROVED 6/7/96 INSPECTOR CWILLIAMS

APPLICATION

PERCOLATION TESTING

A 40870

P _____

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

DISTRICT Fourth

DATE 12-15-87

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 Long Meadow Venturers

ADDRESS 7050 Oakland Mills Road Suite 100 PHONE 301-290-9494

PROSPECTIVE BUYER Columbia, MD 21046

ADDRESS Attention: Mr. Earl Armiger PHONE _____

PROPERTY LOCATION:

SUBDIVISION Foxmoor LOT NO. LOT 1 Preliminary

ROAD AND DESCRIPTION End of Timberleigh Way

TAX MAP 12 PARCEL # 16

SIZE OF LOT 3.3 Acres TYPE BLDG Single Family
(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.

Jeffrey E. Frank agent
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Usher FOR Standard trucks DATE 2-2-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

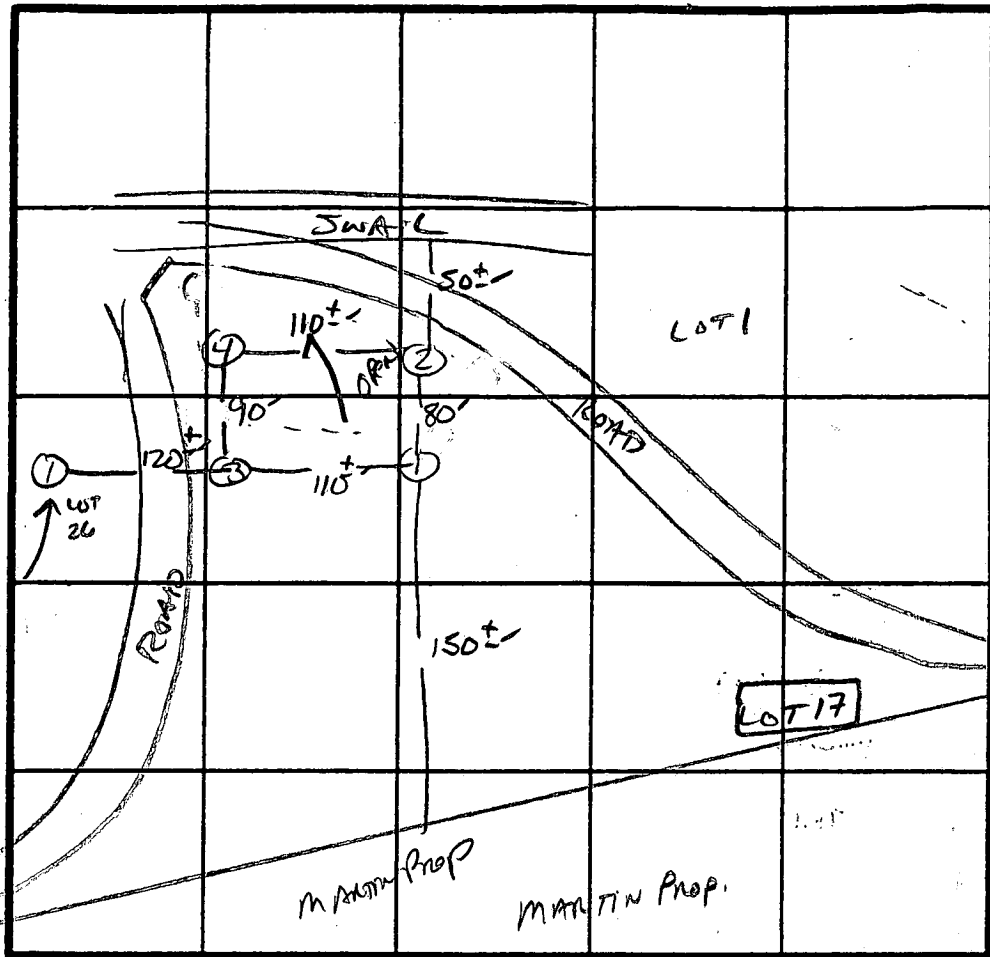
REASONS FOR REJECTION OR HOLDING 3-1-88 Perc satisfactory hold for PCAT. SHAW
SHALLOW SYST. FOR SEWER TANK PLACE TANK AT High hole of Perc
Field. (S)

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE

6"	AP
4'	4 1/2" Bl. Clay LM → Yell Red Clay LM. 25-30% Shaley Frag's
12"	4 Yellow Bl Shaley SAND SILT LOAM 35-50% Frag's NO MASSIVE STRUCTURED SAPROLITE



DO NOT CHANGE SPECS. SA
 X Perc 6 min
 180 φ 1BR
 INLET 3.0'
 BOTTOM 5.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Florence Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/1/88	1 S	4"	11:40	11:43	11:43	11:49	6 MIN	
	1 M	8"	11:40	11:42	11:42	11:47	5 MIN	
	1 V	12"	see Profile					
	2 S	4"	11:44	11:47	11:47	11:51	4 MIN	
	2 M	8"	11:44	11:47	11:47	11:52	5 MIN	
	2 V	12"	SIMILAR TO #1 w/ less shale - 20-30% Frag's					
	3 S	4"	11:48	11:50	11:50	11:56	6 MIN	
	3 M	8"	11:48	11:50	11:50	11:54	4 MIN	
	3 V	13"	SAMP AS # 1					
	4 S	4"	11:50	11:54	11:54	12:01	7 MIN	
	4 M	8"	11:50	11:53	11:53	12:03	10 MIN	
	4 V	13"	SAMP AS # 2 ABOVE					

REMARKS Holes DIFF THAN REAT/ SHALLOW TEST. ONLY

TYPE OF SOIL mt Airy

TESTED BY S. Abel ALSO PRESENT PAUL B., DAVE H.

C1 5120

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER A 40870

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

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

05/14/92

300 (TO NEAREST FOOT)

110-88-2053

OWNER Chesapeake Holding Co last name Fox Moor Dr first name TOWN Florence SUBDIVISION SECTION LOT 1

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

Table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Includes entries like TOP Soil, Clay, Shale, Blue slate, brown slate, blue slate, brown slate, blue slate, Flint, blue slate, Flint Mixed.

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

NO. OF BAGS 9 NO. OF POUNDS 900 GALLONS OF WATER 45 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft to 21 ft

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER

MAIN CASING TYPE S T Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 24

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

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.) grid with handwritten values 140, 22, 300

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 IDENT. NO. 40 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

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 73 WHEN PUMPING 49

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) well 100'

thru 5-14-92 12:00

FIRST TEST

Review OK MR 9/4/92

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-2853
 Location of property (road) Fox Moor Dr
 Subdivision Fox Moor Lot 1 Block _____ Plat _____ Sec. _____
 Well Driller Er. Easterday Owner Chesapeake Holding Co

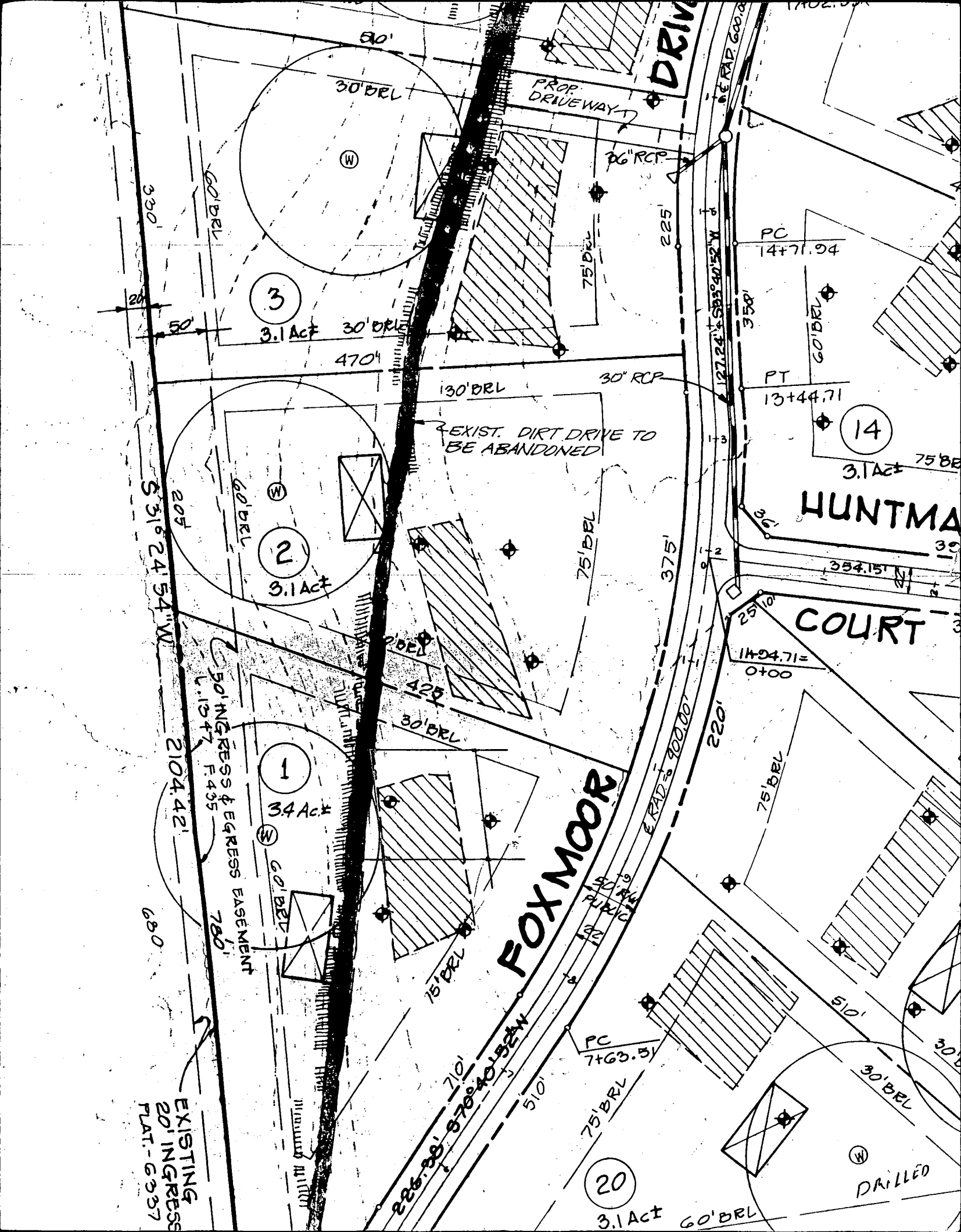
Depth of well 300 46PM
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 118'

I. High rate pumping -- reservoir drawdown

Time pump started 11:00 Pumping rate 10 GPM
 Total time 30 min to reach pumping water level 261 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:30	261	20 sec	Pump Set 290'	3
11:45	261	20 sec		3
12:00	261	20 sec	Joe W. W. W.	3
12:15	261	20 sec		3
12:30	261	20 sec		3
12:45	261	20 sec		3
1:00	261	20 sec		3
1:15	261	20 sec		3
1:30	261	25 sec		2.4
1:45	261	25 sec		2.4
2:00	261	30 sec		2
2:15	261	30 sec		2
2:30	261	30 sec		2
2:45	261	35 sec		1.6
3:00	261	35 sec		1.6
3:15	261	35 sec		1.6
3:30	261	35 sec		1.6
3:45	261	40 sec		1.3
4:00	261	40 sec		1.3
4:15	261	45 sec		1.3
4:30	261	45 sec		1.3
4:45	261	45 sec		1.3
5:00	261	45 sec		1.3



EXISTING
20' INGRESS
PLAT - 6337

BOILINGRESS & EGRESS EASEMENT
L. 13+7 F. 435
780'

EXIST. DIRT DRIVE TO
BE ABANDONED

FOXMOOR

HUNTMAN
COURT

DRIVE

3

2

1

14

20

3.1 Act

3.1 Act

3.4 Act

3.1 Act

3.1 Act

330'

S 31° 24' 54" W
2104.42'

680'

50'

30' BRL

30' BRL

470'

130' BRL

26" RCP

75' BRL

30' RCP

75' BRL

375'

30' BRL

425'

75' BRL

E RAD = 900.00'

220'

75' BRL

510'

30' BRL

W

DRILLED

PC
14+71.94

PT
13+44.71

14+94.71 =
0+00

PC
7+63.31

75' BRL

210'

S 78° 40' 52" W

510'

226-88-878-40-52W

E RAD 600.00'

S 83° 40' 52" W

127.24'

1-3

9-2

1-1

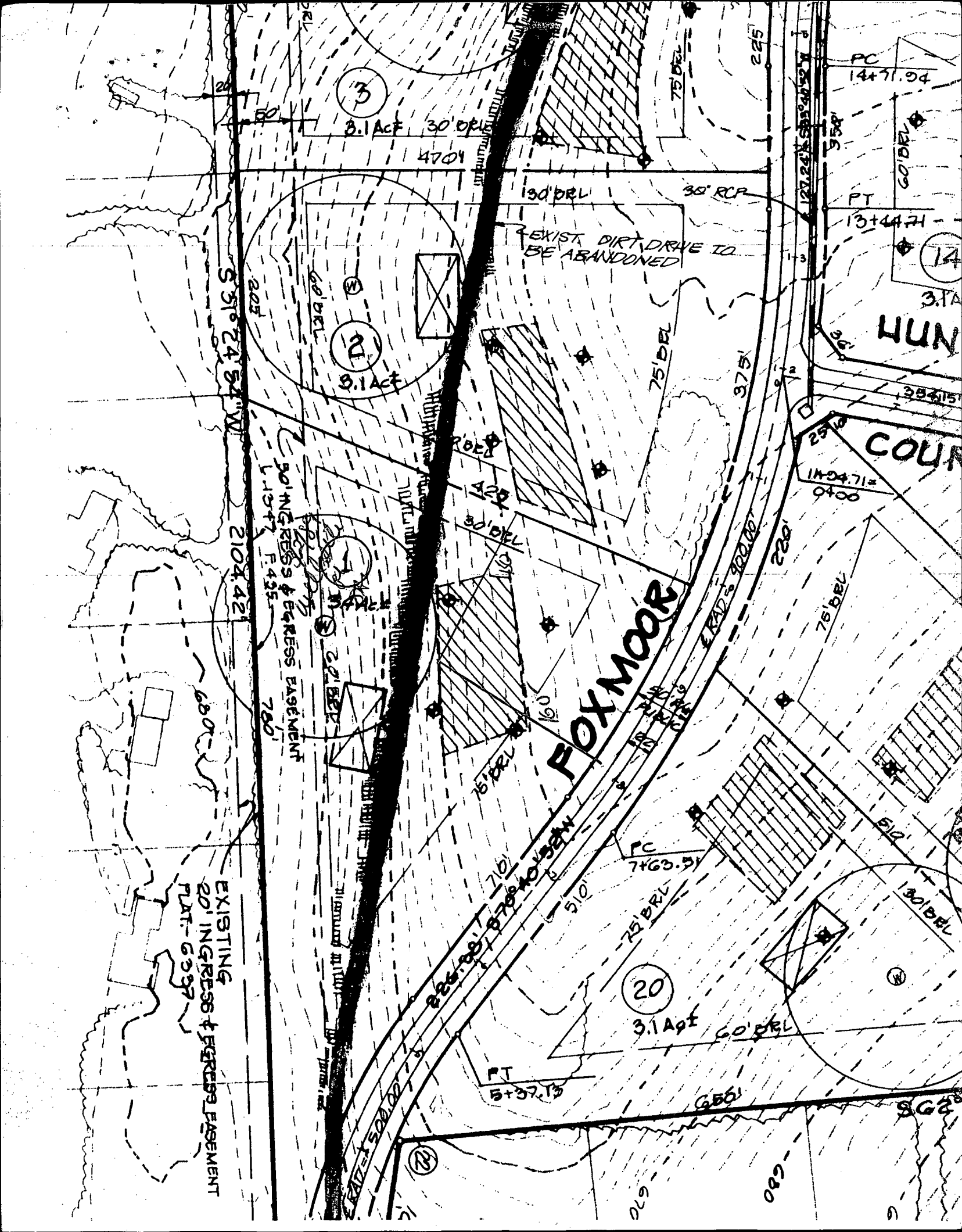
1-2

1-3

1-4

1-5

1-6



3

3.1 AC 30' DR

4701

EXIST DIRT DRIVE TO BE ABANDONED

12

9.1 AC

S 51° 24' 54" W

2104.42

EXISTING 20' INGRESS & EGRESS EASEMENT

FOXMOOR

20

3.1 AC

EXISTING 20' INGRESS & EGRESS EASEMENT
PLAT-6037

PC 14+71.94

PT 13+44.71

14

3.1 AC

HUN

COUN

14+24.71 = 0400

PC 7+63.91

PT 5+37.13

9 GA

SITE PLAN

LOT #1

3.4AC±

SCALE: 1" = 50'-0"

Approved Septic System Plan
Howard County Health Department

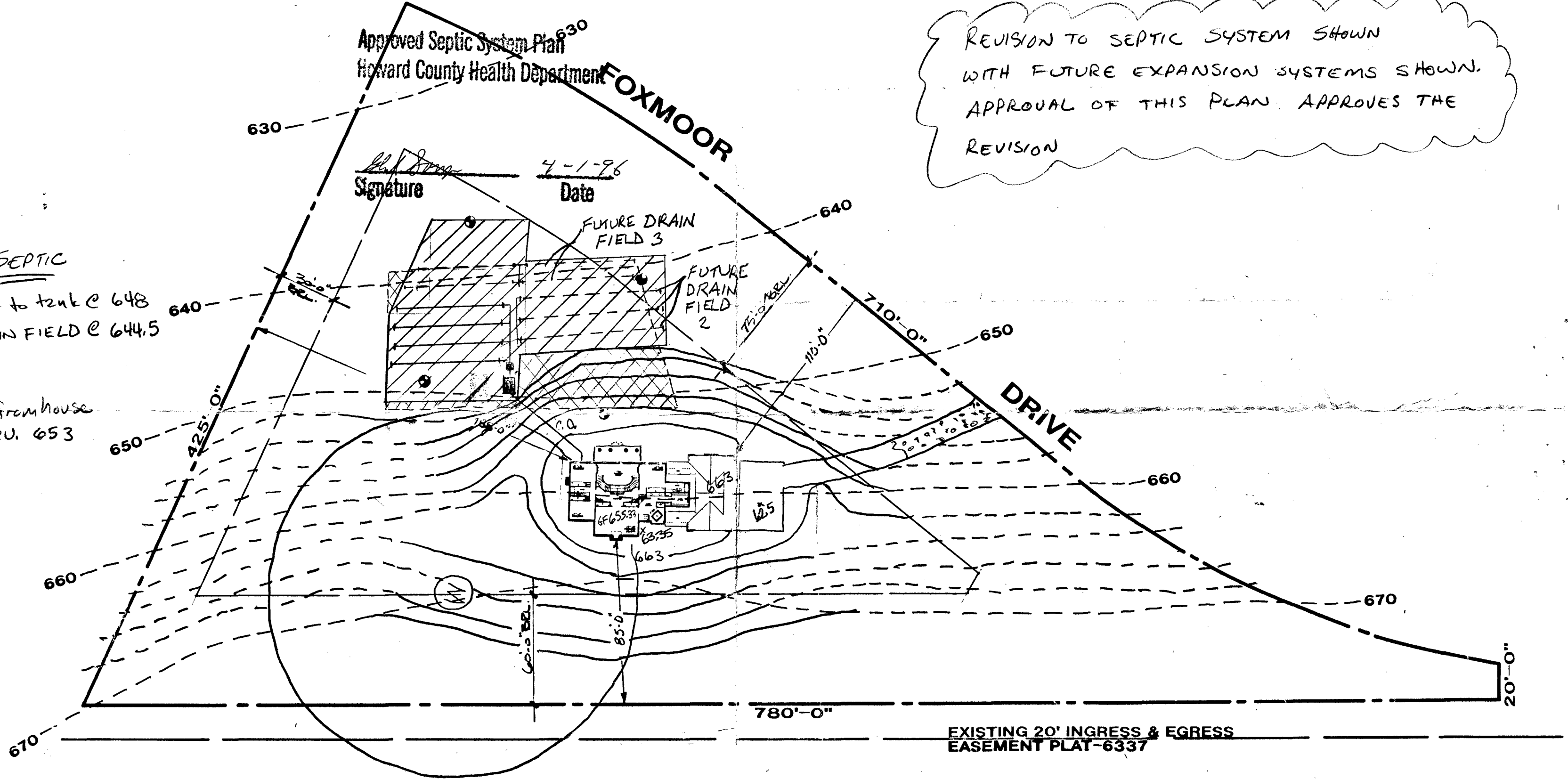
FOXMOOR

REVISION TO SEPTIC SYSTEM SHOWN
WITH FUTURE EXPANSION SYSTEMS SHOWN.
APPROVAL OF THIS PLAN APPROVES THE
REVISION

Signature _____ Date 4-1-96

SEPTIC
Inlet to tank @ 648
DRAIN FIELD @ 644.5

PIPE from house
@ elev. 653



▨ - AREA TO BE
ABANDONED
(ORIGINAL PLANNED
DRAIN FIELD)

- 1250 GAL SEPTIC TANK
- 240 LINEAR FEET TRENCH

Property of: ERIC & JACQUELINE Gu
FOXMOOR DRIVE, HOWARD CO., MD
PARCEL NUMBER: 349830-04
OWNERS PHONE: 410-720-3711

C1 - 07647

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. OKSRU 3/22/00

COUNTY NUMBER A 40870

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 2/25/00

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL HO-94-2598

OWNER Gvin, Eric STREET OR RFD 17701 Fox Moor Drive TOWN Lisbon SUBDIVISION Fox Moor SECTION LOT 1

WELL LOG

Not required for driven wells

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. Rows include top soil, Shaley, Brown slate, Blue slate, Quartz.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 35 NO. OF POUNDS 3500

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (C) (O) (J) (S) Nominal diameter 6 Total depth 111

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

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) (O) (T) (O) (T)

DEPTH (nearest ft.) Ho 109 400

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO. MW D 040 George F. Esterling DRILLERS SIGNATURE LIC. NO. MW D 481

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

Table with columns: T, A, C, H, S, R, E, N. Rows 1-5 with values for diameter and depth.

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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 Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

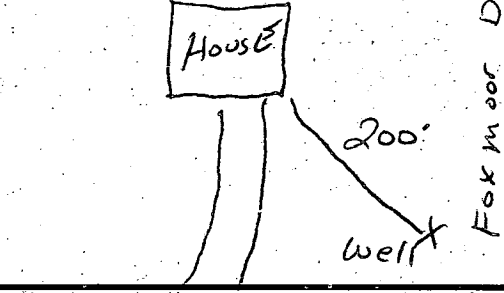
PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 2.0 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 50 WHEN PUMPING 400 TYPE OF PUMP USED (for test) (A) (P) (T) (C) (R) (O) (J) (S)

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (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 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



B 1 09626

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO - 94 - 2598 fill in this form completely

Date Received (APA) 2/11/00

OWNER INFORMATION RN 8153

B 3 HOWARD LOCATION OF WELL CCM

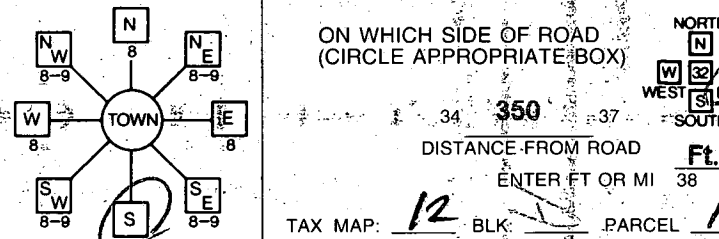
Eric Gyn Owner First Name 17701 Foxmoore Drive Woodbine, Md 21797

23 SUBDIVISION Foxmoor SECTION 44 46 LOT 1 48 50 LISBON 52 NEAREST TOWN MILES FROM TOWN 2

DRILLER INFORMATION George F. Easterday M WD 040

L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

B 4 17701 Foxmoore Drive NEAR WHAT ROAD



B 2 WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

- USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 40890 COUNTY NAME COUNTY NO. DATE ISSUED 2/8/00 EXP. DATE 2/8/01

APPROXIMATE DEPTH OF WELL 300 FEET

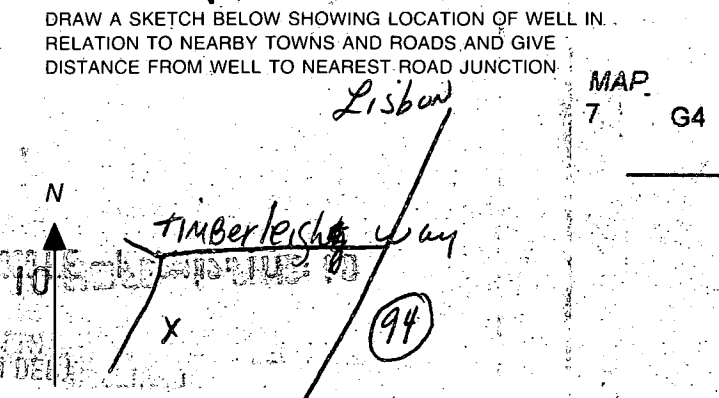
APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) AIR-ROTARY

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER 54 PERMIT No. HO 94 2598

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER wells WRITE THE BOX NUMBER FROM THE MAP HERE E 760 4 N 530 4



SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

OWNER: Eric C. Gwin

DATE REQUESTED: 1/28/00

ADDRESS: 17201 Fox Moor Drive
(Fox Moor Estates Lot 1)
Woodbine, MD 21797

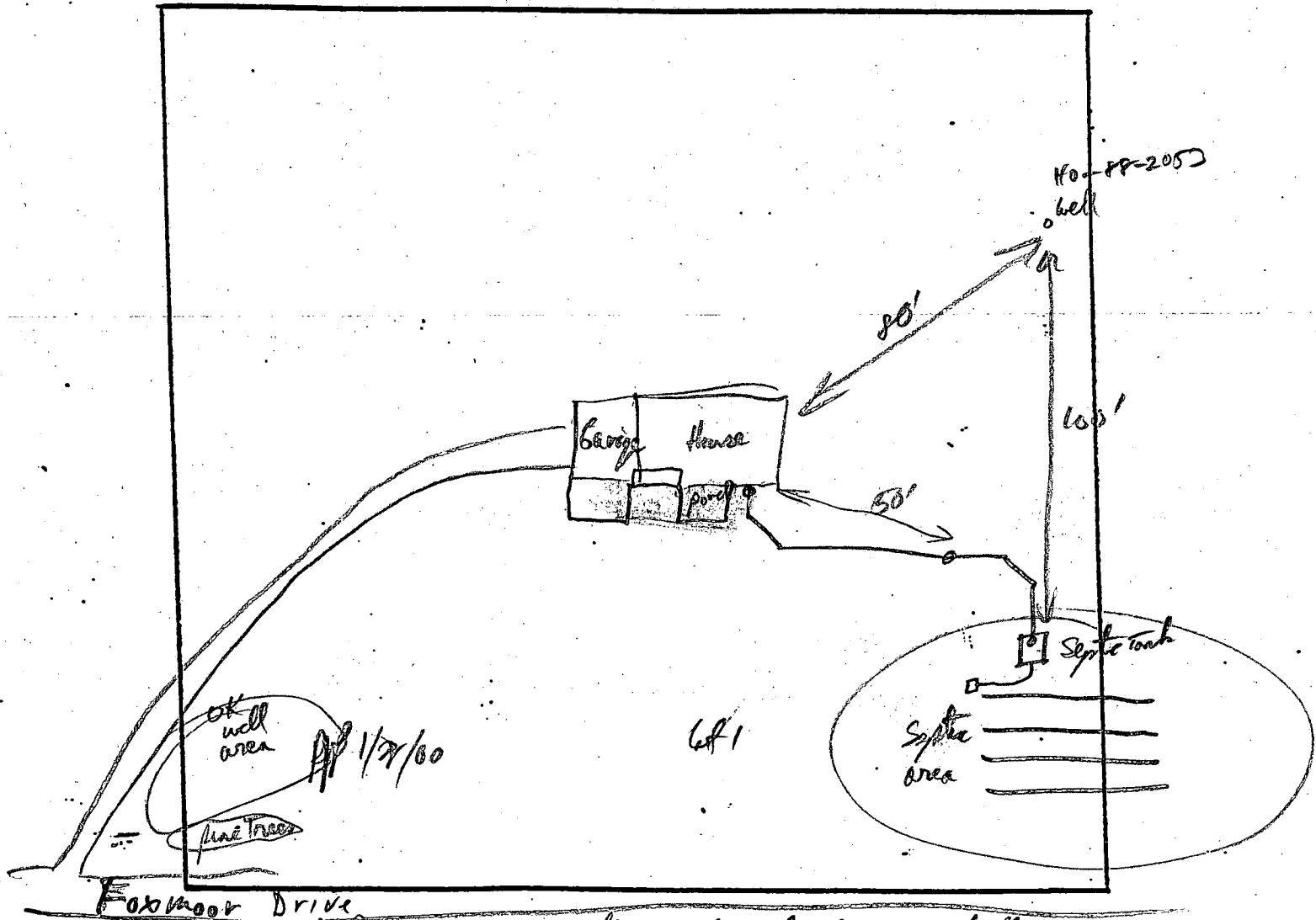
DRILLER: Easterday

WELL TAG # _____

COUNTY # P56962 (Spice)

PROPOSAL: second well, original to be returned as standby

LOCATION DIAGRAM



COMMENTS: well has history of erratic yields - first estimate by well driller
is a consistent yield of 3.0 gpm. This well is to be a supplement to exist well (to be returned as
standby (will send in paper + check later).

DATE: 1/28/00

INSPECTOR: Hally