

Septic C.O.  
8-1-97  
10:00  
WPI  
10:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

#349873

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

INDEXED

P 58543 B

A 40873

DISTRICT 4th

DATE 4/27/97

DATE SYSTEM APPROVED 8-1-97

INSPECTOR JK

J. Joseph Gartland IS PERMITTED TO INSTALL  ALTER

ADDRESS 1835 West Old Liberty Road Westminster PHONE 410-875-2400

SUBDIVISION Foxmoor LOT 5 ROAD 17725 Foxmoor Drive

PROPERTY OWNER Jeff and Karen Hensel

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

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 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 150 feet from the front lot line (313.5') and 30 feet from the left lot line (596.8'). Run trenches on contour toward right (598.9') lot lines. Maintain a minimum of 100 feet from the well.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. JK 6/24/97

PLANS APPROVED BY Jane Nadeau/Ronald Pinkley REVISED \_\_\_\_\_ DATE 06/19/97

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

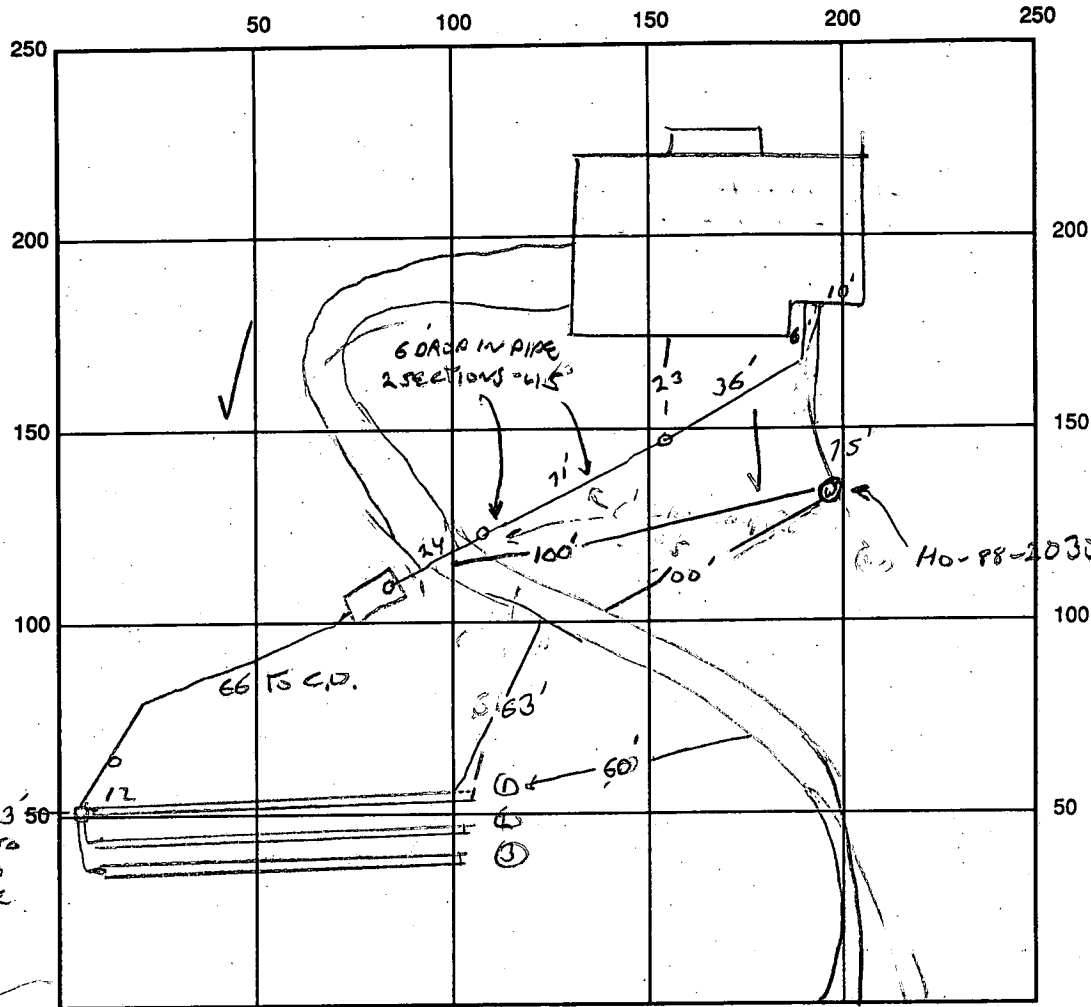
PERMIT VOID AFTER TWO YEARS

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  
40873



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 (EX. ROAD)

SEPTIC TANK LEVEL OK 1250 GRADE OK 10' PIPA CLEANOUTS 4 TOTAL

DISTRIBUTION BOX LEVEL OK

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 85/85/85 FT. 3 255

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

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

ABSORBENT AREA — SQ. FT.

REMARKS: 8-1-97 WELL LINE SLEWED + 2' ABOVE 5' AWAY FROM SEWER LINE, WPT OK TO COVER  
GRASS TO BE ATTACHED TO CANAL, PUMP NOT SET. TRENCHES OK  
COVER ALL WORK

DATE SYSTEM APPROVED 8/11/97 INSPECTOR [Signature]

C 1 09489 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 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 A 40873

ST/CO USE ONLY DATE RECEIVED MM/DD 11/24/97

DATE WELL COMPLETED MM/DD 11 05 97

Depth of Well 22 191 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 94-1309

OWNER Hensel last name Foxmoor Dr first name Tessa TOWN Florence well SUBDIVISION Foxmoor SECTION LOT 5 1 of 4

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 (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top soil, brown shale, gray slate, brown slate, gray slate, brown slate, gray slate.

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 45 46 5 NO. OF POUNDS 25 46 250 GALLONS OF WATER 150 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 100 ft.

CASING RECORD

screen types insert appropriate code below (ST) STEEL (CO) CONCRETE (PL) PLASTIC (OT) OTHER MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) 60 61 63 64 66 70 Total depth of main casing (nearest foot)

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

SCREEN RECORD

screen type or open hole (ST) STEEL (BR) BRASS (HO) OPEN HOLE (PL) PLASTIC (OT) OTHER insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS:

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 MWD 040 DRILLERS SIGNATURE George F. Eusterman (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MWD 501

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

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, C, R, E, E, N. Rows show depth measurements for casing and screen.

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

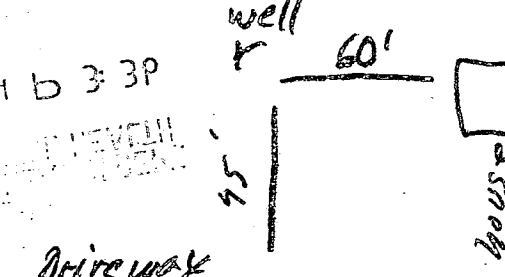
C 3 Geothermal well PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air- (27) P piston (27) T turbine (27) C centrifugal (27) R rotary (27) O other (describe below) (27) J jet (27) S submersible (27)

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or 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 } (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)



C1 1057 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

ST/CONTRACT ONLY DATE RECEIVED MM/DD/YY 11/29/97

DATE WELL COMPLETED MM/DD/YY 11/5/97

Depth of Well 22 191 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-1309

OWNER Hensel, Jeff STREET OR RFD Foxmoor Dr TOWN Florence SUBDIVISION Foxmoor SECTION LOT (2 of 4) 5

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. Includes entries for Top Soil, brown shale, gray slate, brown slate, gray slate, brown slate, gray slate.

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 5 NO. OF POUNDS 250 GALLONS OF WATER 150 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 100 ft.

CASING RECORD

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

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

SCREEN RECORD

screen type or open hole (insert appropriate code below) ST BR HO PL OT

NUMBER OF UNSUCCESSFUL WELLS: 0

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...

DRILLERS LIC. NO. 1 MWD 040 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MWD 501 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, N and depth values (8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51). Includes handwritten 'LA' and '33-38'.

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.G.

TELESCOPE CASING LOG INDICATOR OTHER DATA

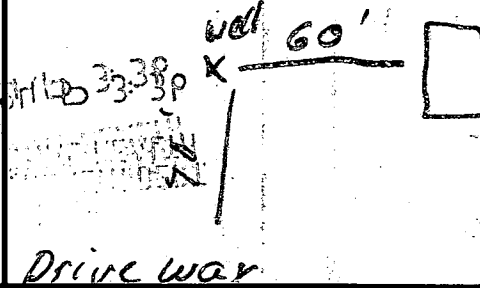
C 3 geothermal well PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) PUMPING RATE (gal. per min.) METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING 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 (CIRCLE) (YES OR 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) 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)





C 1 1059 SEQUENCE NO. (MDE 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)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 11 05 97

Depth of Well 191 (TO NEAREST FOOT)

PERMIT NO. FROM PERMIT TO DRILL WELL HO-94-1309

OWNER Hensel, Jeff STREET OR RFD Foxmoor Dr TOWN Florence SUBDIVISION Foxmoorhensel SECTION LOT 4 of 4

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. Includes entries for Top soil, brown shale, gray slate, brown slate, and gray slate.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 45 NO. OF POUNDS 200 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 100 ft.

CASING RECORD casing types insert appropriate code below (S) (T) (C) (O) (P) (L) (O) (T)

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

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)

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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 MW 0040 George J. Easterday DRILLERS SIGNATURE

LIC. NO. 1 MW 501 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, C, R, E, N and rows for depth intervals (8-11, 15-17, 23-26, 30-32, 38-41, 45-47, 51-54) and slot size/diameter of screen.

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

C 3 geothermal well

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. 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) (CIRCLE) (YES OR 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.

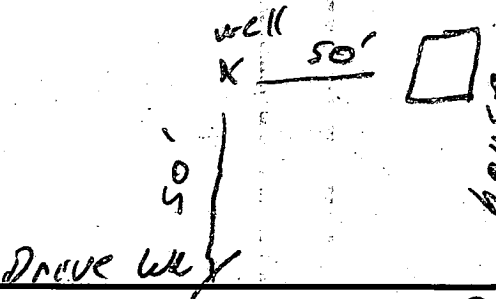
CAPACITY GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height) (+) above (O) LAND SURFACE (nearest foot) (-) below 49 50 51

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)



B 1	<b>5320</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <b>HD-94-1309</b> fill in this form completely
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Date Received (APA) **10/23/97**

OWNER INFORMATION **RN 7233**

**Hensel Jeff**  
Last Name Owner First Name

**7873 Golden Pine Cir**  
Street or RFD

**Severn, Md 21144**  
Town State Zip

LOCATION OF WELL **CC#**

**Howard**  
COUNTY

**Foxmoor**  
SUBDIVISION

SECTION **44** LOT **5**

**Florence**  
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **2** M

DRILLER INFORMATION

**George F. Easterday**  
Driller's Name License No. **040**

**E. Franklin Easterday, Inc.**  
Firm Name

**9265 Brown Church Rd., MT. Airy, Md: 21771**  
Address

*George F. Easterday* **10/23/97**  
Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD **Foxmoor Dr**

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD ENTER FT OR MI **350** Ft

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL: \_\_\_\_\_

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

**Howard** **A 40873**  
COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_

DATE ISSUED **10/23/97** **Kim Maisto** **10/23/98**  
CO SIGNATURE EXP. DATE

NORTH GRID **530 000** EAST GRID **760 000**

APPROXIMATE DEPTH OF WELL **300** FEET

APPROXIMATE DIAMETER OF WELL **6** INCH

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** N **530**

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 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

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

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

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

APPROX PERMIT NUMBER **KM** G A P

FORCE **70** WRITE INITIALS IN BOX **HD-94-1309** PERMIT No. **70 71 72 73 74 75 76 77 78 79**

C1 5107 SEQUENCE NO. (DENV USE ONLY);  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALB. 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 40873**

ST/CO USE ONLY  
 DATE RECEIVED

DATE WELL COMPLETED  
**050592**

Depth of Well  
**300**  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
**110-99-2030**

OWNER **Chesapeake Holding CO**  
 STREET OR RFD: last name **Fox Moor Dr** first name TOWN **Flurbace**  
 SUBDIVISION **Fox Moor** SECTION LOT **5**

**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		Check if water bearing
	FROM	TO	
Top soil	0	2	
Clay	2	4	
Shale	4	15	
Brown slate	15	20	
brown & blue slate mixed	20	40	
blue slate	40	80	
brown slate	80	85	✓
blue slate	85	98	
brown slate	98	100	
blue slate	100	265	
Flint	265	268	✓
blue slate	268	300	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  NO   
 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 **25** ft.  
 (enter 0 if from surface)

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

**MAIN CASING** Nominal diameter Total depth  
 top (main) casing of main casing  
 TYPE (nearest inch) (nearest foot)  
**ST 6 28**

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

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

**C 2**  
 DEPTH (nearest ft.)  
 EACH SCREEN  
**1 HO 26 300**  
 2  
 3  
 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  
 70 72 74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

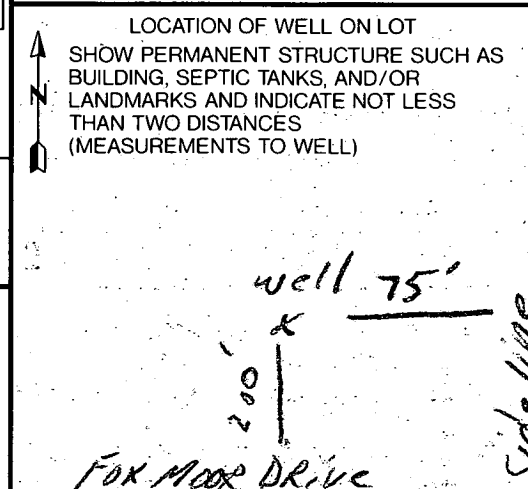
**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) **3**  
 PUMPING RATE (gal. per min. to nearest gal.) **8**  
 METHOD USED TO MEASURE PUMPING RATE **Bucket**  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING **53**  
 WHEN PUMPING **67**  
 TYPE OF PUMP USED (for test)  
 A air 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)

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 **George F. Yesterday**  
 (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)



COUNTY



B 1 **5352** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

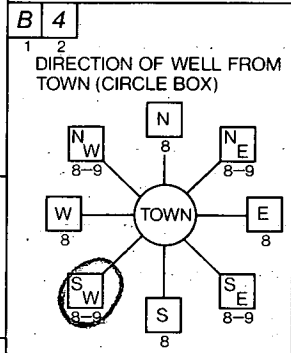
STATE OF MARYLAND  
 APPLICATION FOR PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-88-2030**  
 fill in this form completely

Date Received (APA) **01/14/92**  
 OWNER INFORMATION  
**Kosapeake Holding**  
 Last Name Owner First Name  
**POB 1596**  
 Street or RFD  
**Baltimore Md 21203**  
 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL **R 47810**  
**Howard**  
 COUNTY  
**Foxmoon**  
 SUBDIVISION  
 SECTION **5** LOT **5**  
**Florence**  
 NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) **1** MI

DRILLER INFORMATION  
**George F. Easterday**  
 Driller's Name License No. **40**  
**L. Franklin Easterday, Inc.**  
 Firm Name  
**9265 Brown Church Rd. Mt. Airy, Md. 21771**  
 Address  
**George F. Easterday 1/9/92**  
 Signature Date



**Foxmoon Drive**  
 NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 DISTANCE FROM ROAD **200** FT  
 ENTER FT or MI **FT**

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
**Howard** COUNTY NAME  
**A40873** COUNTY NO.  
 STATE SIGNATURE  
 DATE ISSUED **01/23/92** INSERT S **7-23-92**  
 CO SIGNATURE **Roll Valley** EXP. DATE  
 NORTH GRID **533000** EAST GRID **0763000**

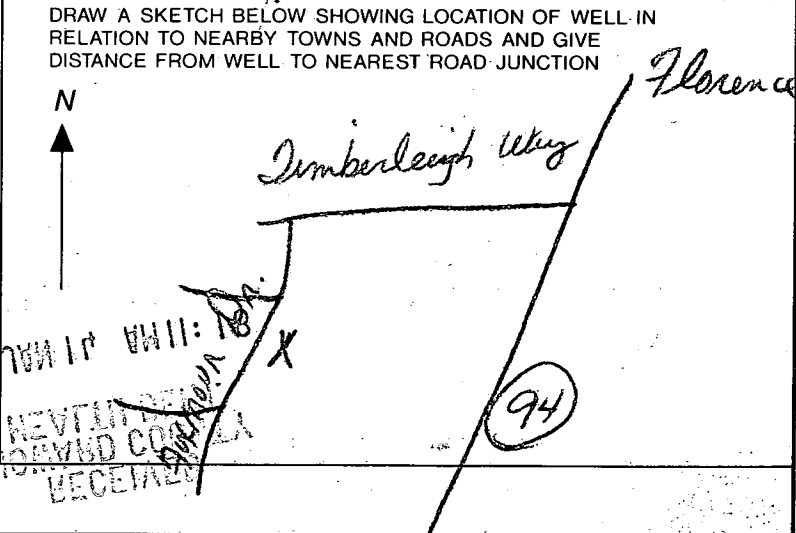
APPROXIMATE DEPTH OF WELL **200** FEET

APPROXIMATE DIAMETER OF WELL **6** 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 \_\_\_\_\_

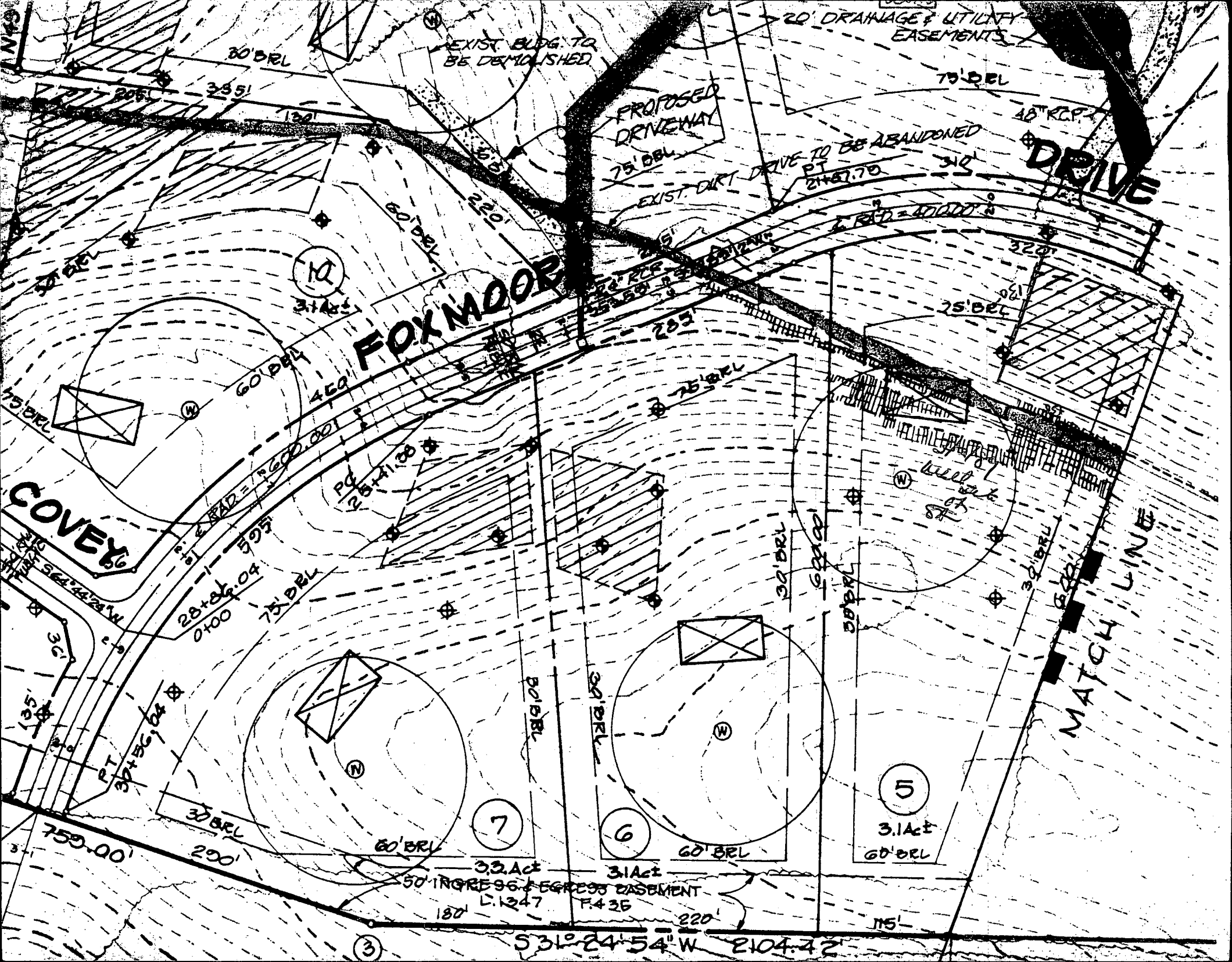
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. **well**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E **7603**  
 N **5303**  
 000 000

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  
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_



Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **RP** PERMIT No. **HO-88-2030**  
 WRITE INITIALS IN BOX

SPECIAL CONDITIONS



EXIST. BLDG. TO BE DEMOLISHED

20' DRAINAGE & UTILITY EASEMENTS

PROPOSED DRIVEWAY

DRIVE TO BE ABANDONED

DRIVE

FOX MOOR

COVE

MATCH LINE

5

3.1 Act  
60' BRL

6

60' BRL

7

60' BRL

3.2 Act

3.1 Act

50' INGRESS & EGRESS BASEMENT  
L. 1347 F. 435

S 31° 24' 54" W 2104.42'

3

750.00'

30' BRL  
200'

36'

567'

37+56.04'

R.P.T.

37+56.04'

30' BRL

200'

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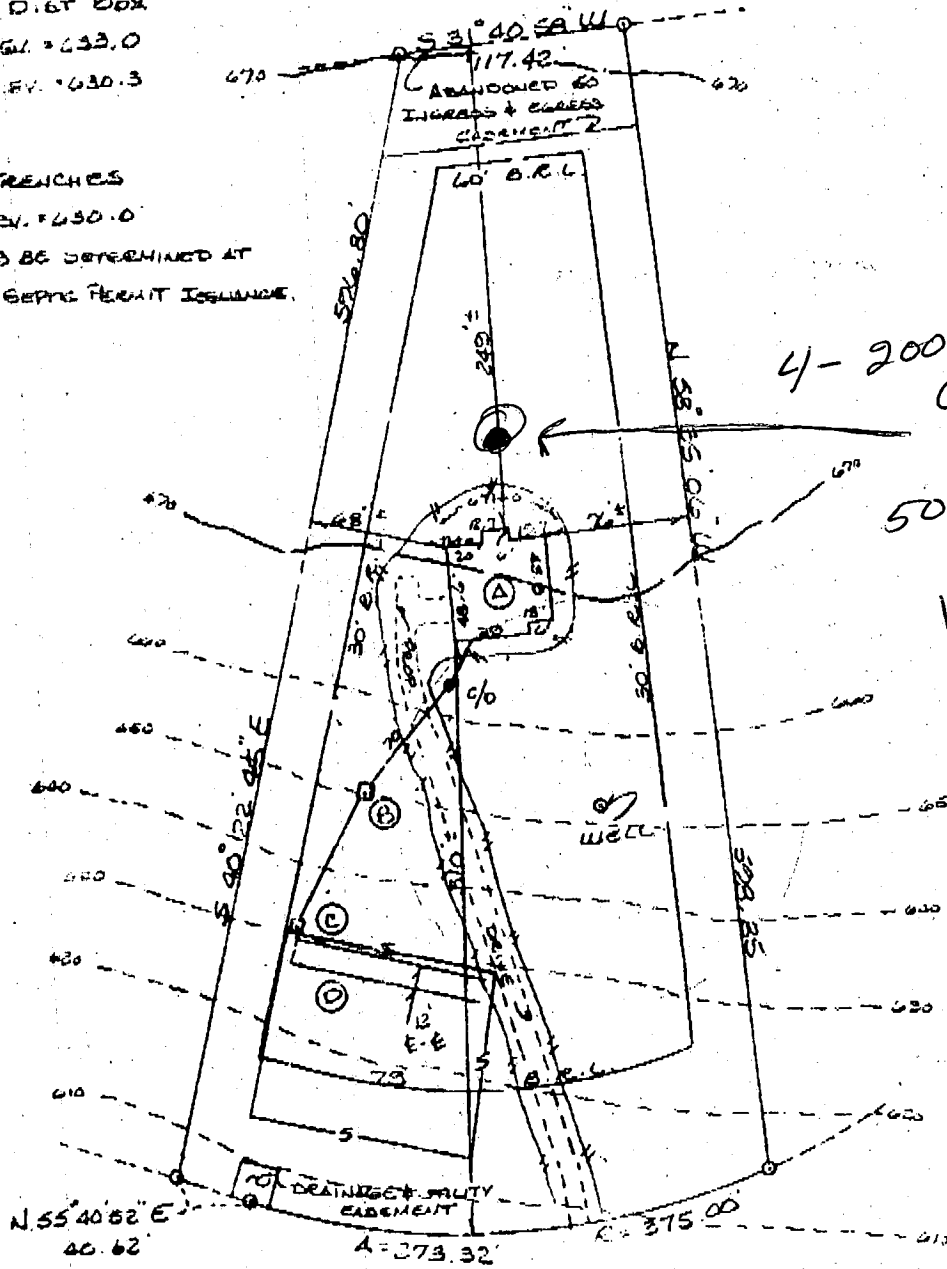
3

3

- Ⓐ PROP. 3 Bed. HOUSE  
F.F. ELEV. = 675.0  
BENT. ELEV. = 664.0  
INV. ELEV. = 662.6
- Ⓑ PROP. SEPTIC TANK  
EX. ELEV. = 650.0  
INV. IN = 643.3  
INV. OUT = 643.0

- Ⓒ PROP. DIRT BOX  
EX. ELEV. = 633.0  
INV. ELEV. = 630.3

- Ⓓ PROP. TRENCHES  
INV. ELEV. = 630.0  
LENGTH TO BE DETERMINED AT  
TIME OF SEPTIC PERMIT ISSUANCE.



4- 200 FT  
GEO-Thermal  
WELL

50 ft. from R/W  
of House  
10/23/97  
Well site for  
geothermal wells  
ok as shown  
on plan.  
**KM**

FOXMOORE DRIVE  
(50 R/W)

PLOT PLAN  
LOT 5  
FOXMOORE  
SITUATED ON FOXMOORE DRIVE  
ELECTION DISTRICT No 4  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' JUNE 1997

Approved Septic System Plan  
Howard County Health Department



*[Signature]*  
Signature \_\_\_\_\_ Date 6/24/97

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

**NH NASSAUX - HEMBLEY, INC.**

204 S. MAIN STREET  
MOUNT AIRY, MARYLAND

301-829-2296

21771

REFERENCE	JOB NO.
Plat No 9058	975Y 101

# APPLICATION

PERCOLATION TESTING

A 40873

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 Jeff & Karen Hensel

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. 70 *LOT 5 Preliminary*

ROAD AND DESCRIPTION End of Timberleigh Way (17725 Foxmoor Drive)

**OLDG. PERMIT SIGNED**

**AND RETURNED 6-19-97**

*Serial # B00106190*

TAX MAP 12 PARCEL # 16

SIZE OF LOT 3.0 Acres TYPE BLDG Single Family - 4 Bed  
(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. Hensel, agent*  
(SIGNATURE OF APPLICANT)

APPROVED BY Srd Albel FOR Standard touch DATE 2-21-89

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 3-3-88 Perc Satisfactory - Hold for perm. S.A.S.

SHALLOW SYST. FOR SEWER SEPTIC TANK PLACE TANK AT High hole OF Perc Field. (SM)

HD-216

# THIS IS NOT A PERMIT

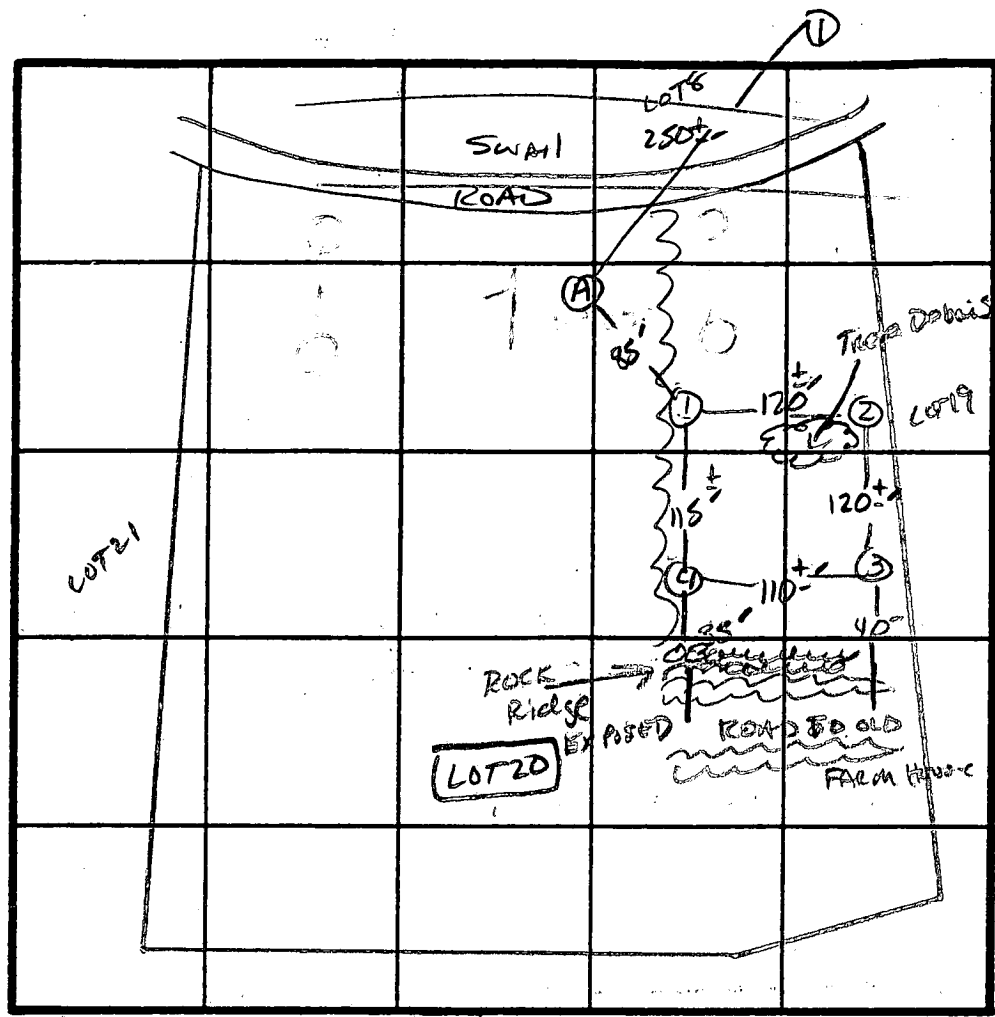
DO NOT CHANGE  
Specs. SA

2 Perc 6 mm  
180 #/lb  
INLET 3.0'  
BOTTOM 5.0'  
3' WIDE

INLET 3'  
BOTTOM 5'

SOIL PROFILE

0	AP
11"	RED BR CLAY Lm. 15-20% FRAGS
3'	Yell BR Silt Loam 25-40% FRAGS
10'	MASSIVE SHALE
11'	STRUCTURED SHALE
13'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

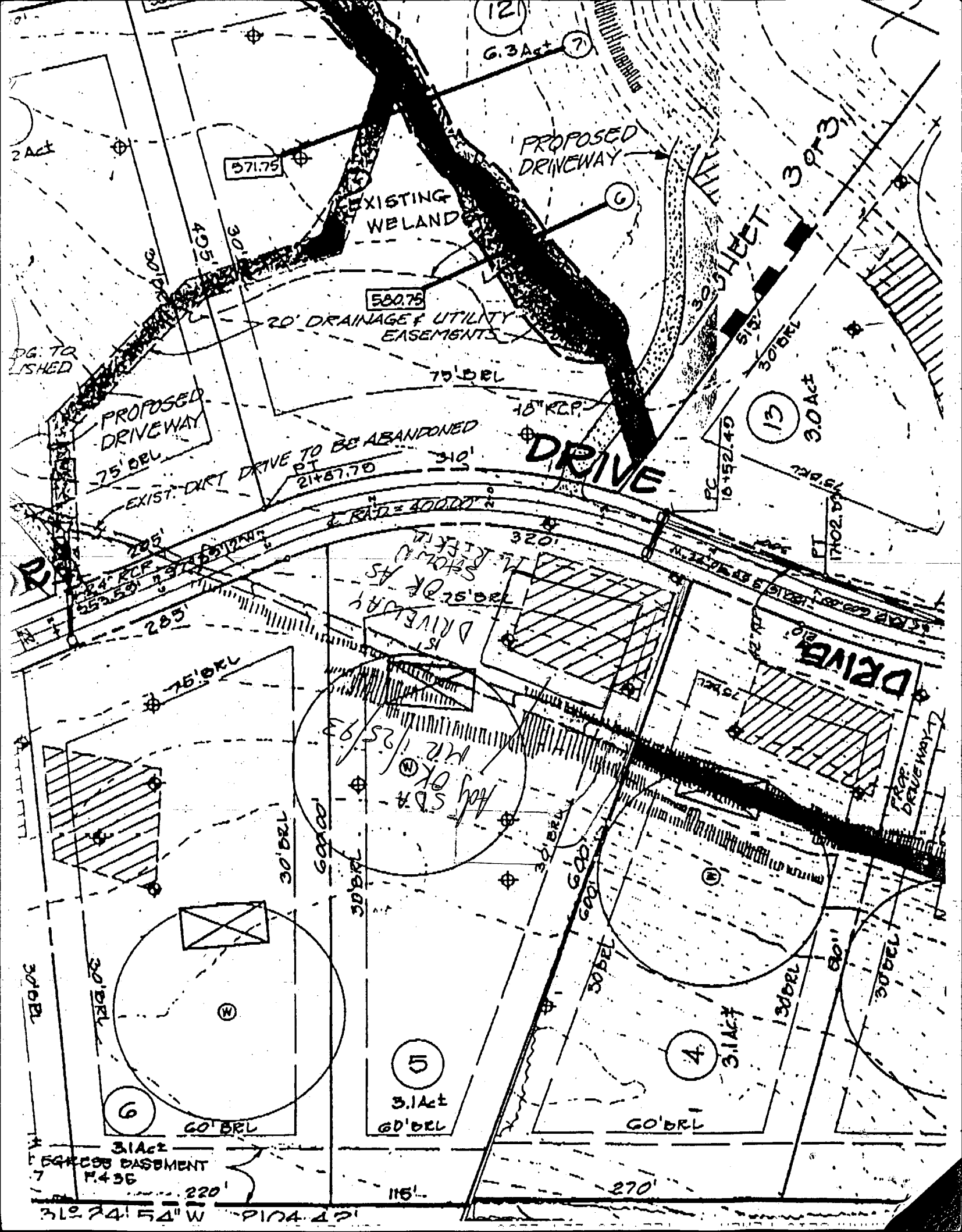
Florence Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/2/88	1M	4.0	2:56	2:58	2:58	3:02	4 MIN
		8.5	2:56	2:57	2:57	3:02	5 MIN
	1V	13"	High STRIKE EXPD AT 11"		CLAY TO		3'
	2M	5"	3:03	3:06	3:06	3:10	4 MIN
		9.5	3:03	3:05	3:05	3:10	5 MIN
	2V	13"	Silt Loam	4-13"	10-25% FRAGS (G1)		
	3M	4"	3:16	3:19	3:19	3:25	6 MIN
		7.5	3:16	3:18	3:18	3:22	4 MIN
	3V	11.5"	SIMILAR				
	4M	3.5	3:10	3:13	3:13	3:20	7 MIN
		8.5	3:10	3:15	3:15	3:24	9 MIN
	4V	12"	Silt Loam	3.5-12"	w/ FRAGS Shale 30-35% NEAR BOTTOM		
3/2/88	A		WATER AT 8.0"				

REMARKS Holes Diff than PLAT / Shallow SYST ONLY.

TYPE OF SOIL MC AILY / G1

TESTED BY S. Abel ALSO PRESENT DAVE / KON



PROPOSED DRIVEWAY

EXISTING WELAND

571.75

580.75

20' DRAINAGE UTILITY EASEMENTS

6

13

DRIVE

PC 10+52.40

3.0 Act

PROPOSED DRIVEWAY

75' ORL

EXIST. DIRT DRIVE TO BE ABANDONED

PT 21+57.70

75' ORL

15" RCP

RAD=4000'

285'

75' ORL

DRIVEWAY

DRIVE

FRAG. DRIVEWAY

Adj. S.D.A. -  
M.R. / 25.93

5

3.1 Act

60' ORL

4

3.1 Act

60' ORL

6

60' ORL

3.1 Act

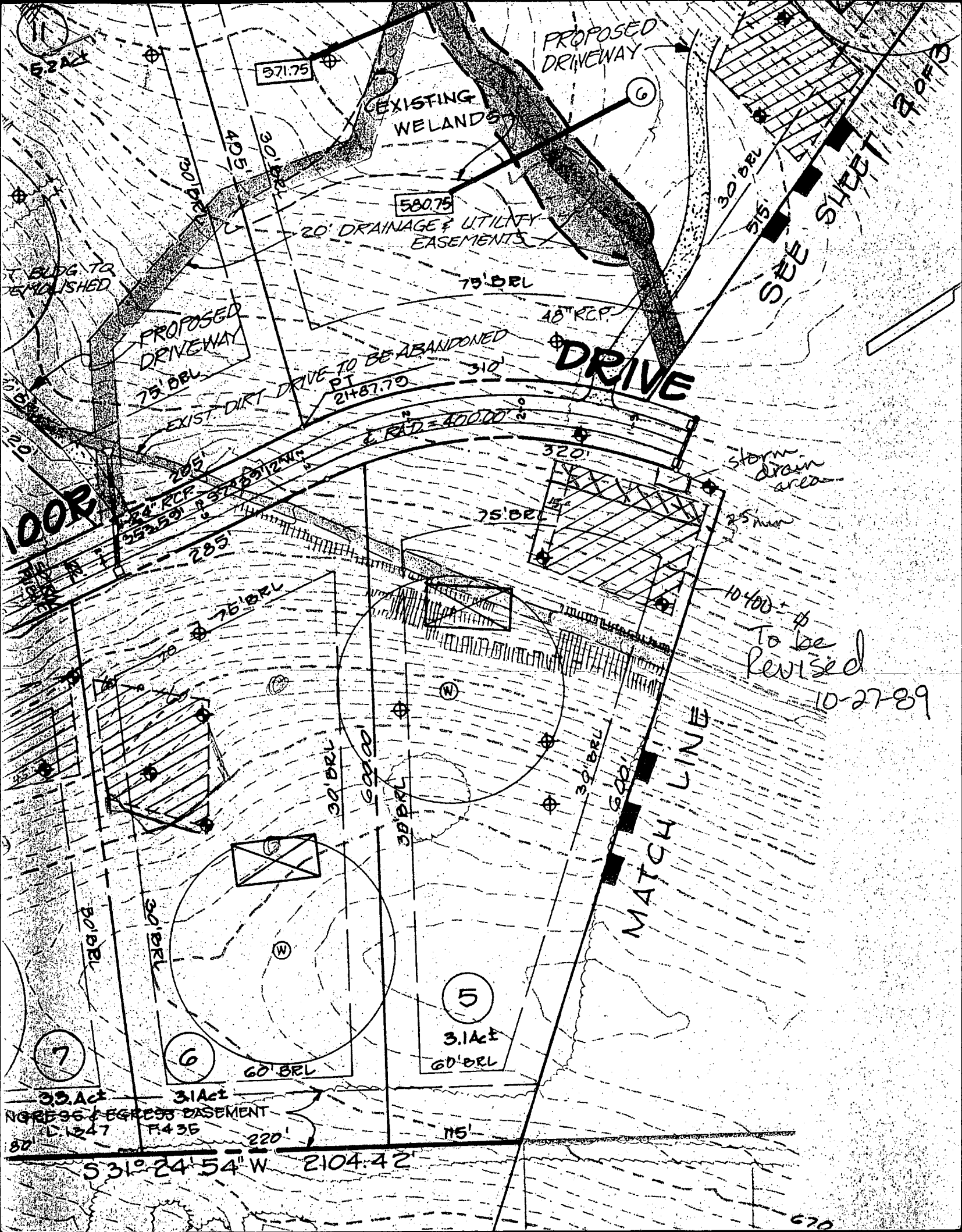
EGRESS BASINEMENT  
7 F.436

220'

115'

270'

312.74' 54" W P104.42'



PROPOSED DRIVEWAY

EXISTING WELANDS

20' DRAINAGE & UTILITY EASEMENTS

DRIVE

SEE SHEET 7 OF 3

PROPOSED DRIVEWAY

EXIST DIRT DRIVE TO BE ABANDONED

storm drain area

To be revised  
10-27-89

MATCH LINE

571.75

580.75

21+87.70

79' BRL

48" RCP

C. RAD = 40000'

320'

75' BRL

285'

76' BRL

70'

30' BRL

60' BRL

30' BRL

70' BRL

30' BRL

60' BRL

5

3.1Ac ±  
60' BRL

7

6

60' BRL

33.1Ac ±

31.1Ac ±

N 68° 36' E 36' EGRESS BASEMENT

L. 1247

R. 435

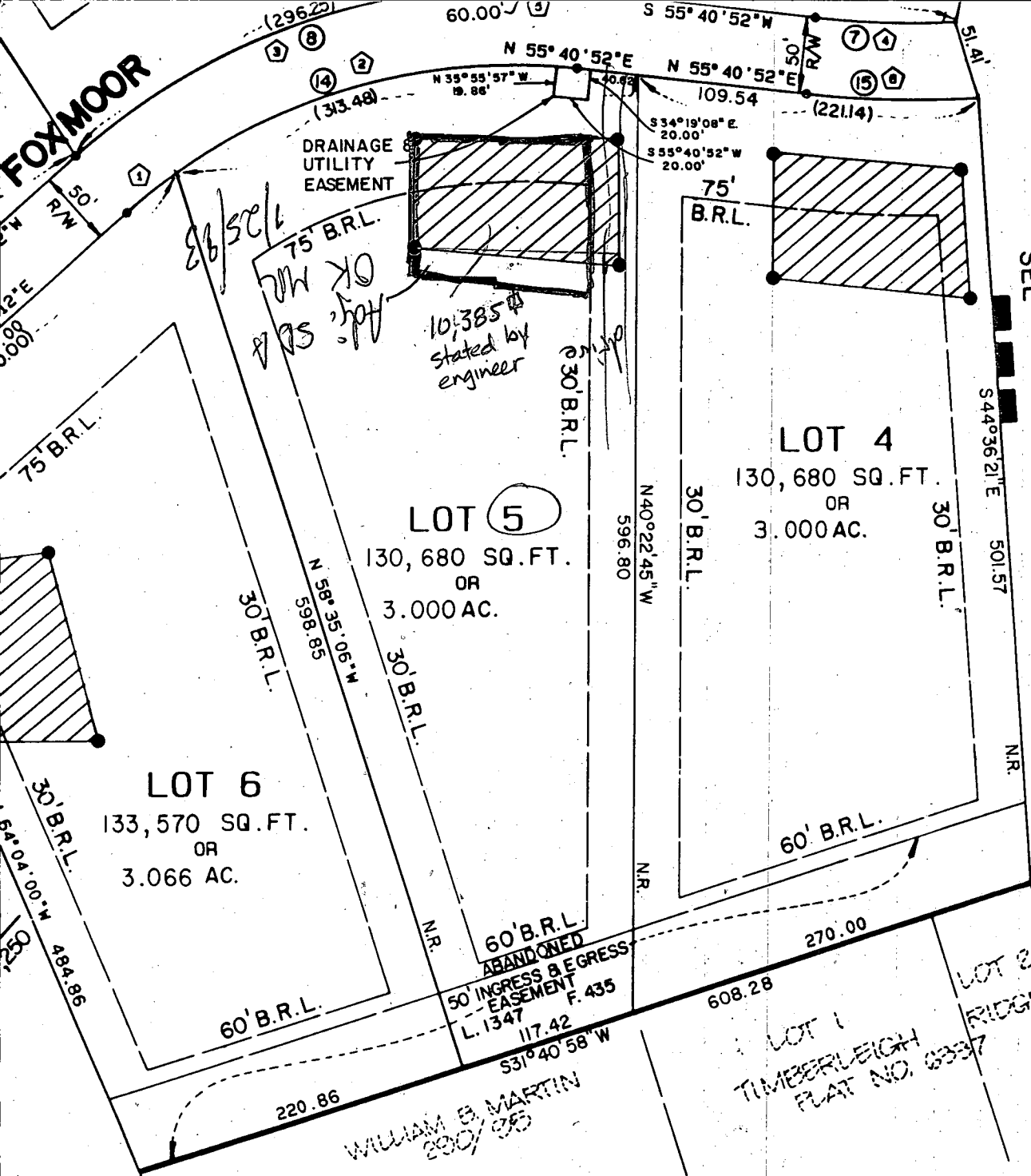
80'

220'

115'

S 31° 24' 54" W 2104.42'

670



1	S 72° 22' 24" E	36.51	29
2	N 50° 10' 55" E	41.13	29
3	S 61° 46' 23" E	53.54	29
4	N 52° 09' 21" E	42.82	29
5	N 55° 52' 07" E	23.04	29
6	N 83° 51' 12" E	16.43	29
7	S 11° 08' 48" E	91.01	29
8	N 85° 14' 08" W	56.08	29
9	S 41° 17' 03" W	79.48	29
10	S 31° 13' 21" W	36.25	29
11	S 12° 17' 38" W	130.25	29
12	N 13° 06' 24" W	51.87	29
13	N 10° 11' 03" E	60.12	29
14	N 33° 27' 28" W	51.25	29
15	N 24° 07' 54" W	43.97	29
16	N 52° 12' 04" W	36.66	29
17	N 27° 06' 21" W	38.98	29
18	N 73° 13' 38" W	33.94	29
19	S 72° 31' 09" W	23.49	29
20	N 84° 35' 51" W	29.21	29
21	S 78° 19' 18" W	78.50	34
22	N 17° 22' 27" E	57.71	34

SEE MATCH LINE SHEET 4 OF 5

Revised SDA  
10-27-89 DEN

AREA TABULATION - THIS  
TOTAL NUMBER OF LOTS TO BE  
TOTAL AREA OF LOTS TO BE  
TOTAL AREA OF ROAD R/W  
TOTAL AREA OF OPEN SPACE  
TOTAL AREA TO BE RECORDED

ICATE

### OWNER'S DEDICATION

WE, LONG MEADOW VENTURERS AND WILLIAM DYER KENNEY AND CHARYN E KENNEY (KENNEY SUBDIVISION), OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS

RECORDED AS PLAT NUMBER  
ON  
LAND RECORDS OF HOW

THAT IT  
BY WAYNE