12/18/98
10:20

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511092

A 56429-Z

DISTRICT 3rd

DATE 11/5/98

DATE SYSTEM APPROVED 1·20·99

INSPECTOR GS

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXX~~ 410-313-2640

INDEXED

Lehsac Corporation IS PERMITTED TO INSTALL X ALTER ____

ADDRESS 202 Azar Court Baltimore, MD 21227 PHONE (410) 242-6888

SUBDIVISION Gaither Hunt LOT 26 ROAD 11008 Steeple Chase Court

PROPERTY OWNER Ryan Homes

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

LOCATION - Place the distribution box 140 feet down the 410.62' (right) lot line and 20 feet off that same lot line as seen when facing the lot from Steeple Chase Court. Run trenches along contour towards the rear of lot.

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

8·31·98

PLANS APROVED BY Kimberly Maiste DATE 8-27-98

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 25/40 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

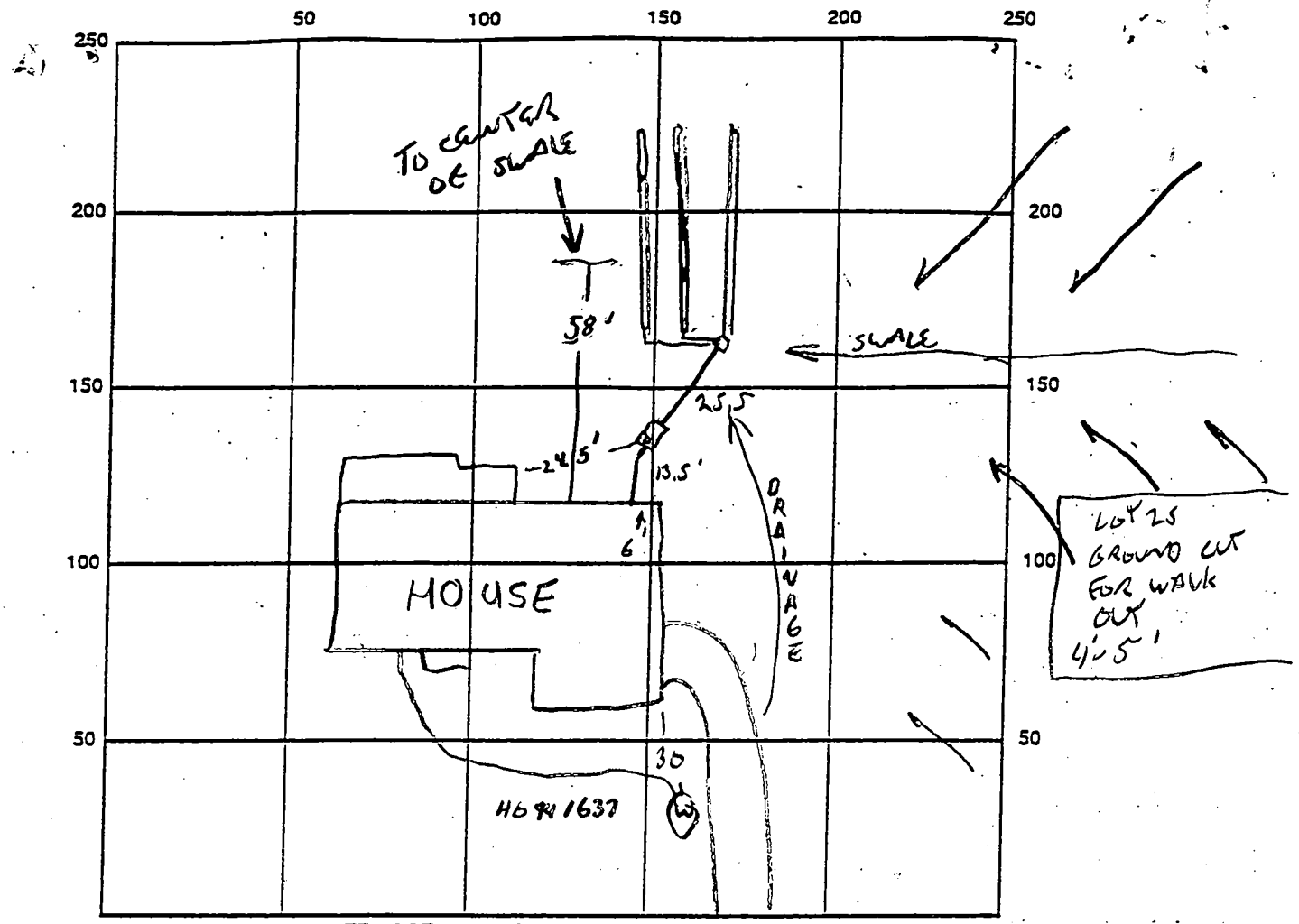
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

A56429-Z

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
SWALE ON LOT 25

SEPTIC TANK LEVEL ok TOP TO BE GLUED TO C.O. CLEANOUTS 1 ON ST

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 80 | 78 | 80 FT. = 238

NUMBER OF TRENCHES 3 ~~ONE SIDEWALL~~/BOTTOM AREA 714 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: 12-18-98 OK TO COVER TRENCHES - 5' CLOSER TO HOUSE THAN SHOWN ON SITE PLAN - MAY BE NO CONFLICT WITH PROPOSED DECK. HOLD FINAL APPROVAL FOR CONFIRMATION OF TANK LOCATION SUITABILITY. GH

12-22-98 GRADING COMPLETE - ALL SYSTEM COVERED - POTENTIAL DRAINAGE PROBLEM ACROSS SOIL DECK ISSUE NOT RESOLVED. GH 12-29-98 DECK OK, HOLD FINAL FOR GRADING - SEE NOTE ON SITE PLAN GH

DATE SYSTEM APPROVED 1.20.99 INSPECTOR Glen Savage / Kim Mainka

1.20.99 lot graded and seeded, problem left unresolved by Glen Savage. (KM)

Howard County Health Department

To: File Gaither Hunt

Lot 26

Addition/deck on

Right rear portion of

house would be too close

to S.T. w/o S.T. relocation

From: MR

Date: 8/2/99

HD-170

APPLICATION

564292

PERCOLATION TESTING

A [illegible]

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 4-11-96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER J Thomas Scrivener Ryan Homes.

ADDRESS c/o Land Design & Development PHONE 410 740 5176

AGENT OR PROSPECTIVE BUYER Donald R. Reuwer Jr

ADDRESS 10805 Hickory Ridge Rd 21044 PHONE _____

PROPERTY LOCATION:

SUBDIVISION GAITHER HUNT LOT NO. 26 ✓

ROAD AND DESCRIPTION 11008 STEEPLE CHASE CT.

BLDG. PERMIT SIGNED AND RETURNED 8-27-96
Permit # B011303

TAX MAP 29 PARCEL # 21

SIZE OF LOT 1+ Acres TYPE BLDG. SFD - 4 Bdrms.
(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. Donald R Reuwer Jr
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

HD-216 (3/92)

COUNTY #

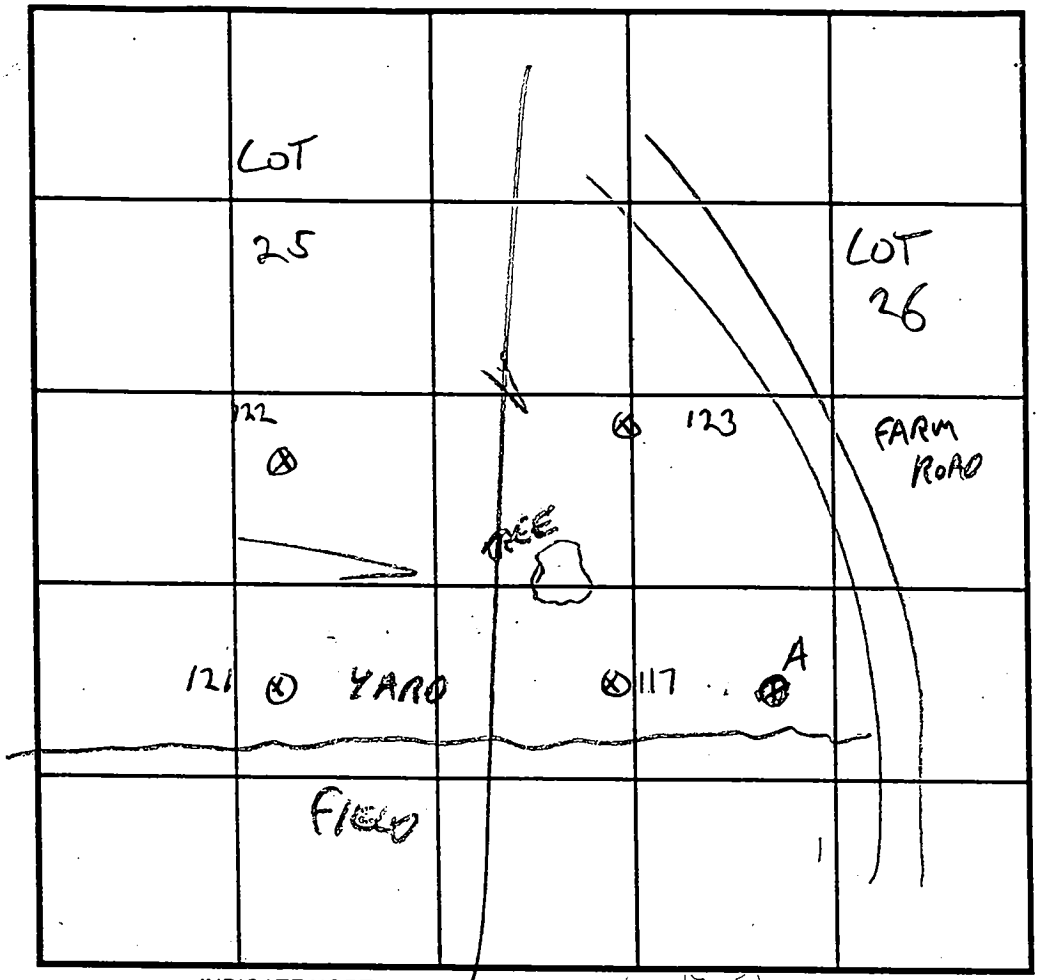
SOIL PROFILE

0' A

orange red silt

4.0 lgt beigh brown silt 10% rock

refusal 10.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

TYPICAL

SOIL PROFILE

0' TOPSOIL 1'

BROWN CLAY LOAM 4

BROWN SSL

11' 6"

1607

TOPSOIL

ORANGE CLAY LOAM 4'

BROWN SSL

ORANGE MOTTLES SHOW ACCESS 36.5'

DRY 11'

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
4-11-96	123	5'6" / 11'6"	3:38	3:40	3:40	3:44	4 MIN
	117	5' / 11'6"	3:35	3:39	3:39	3:43	4 MIN
	122	6 / 12	SEE	LOT 43 PROFILE			4 MIN
	121	4'6" / 10'6"	"	"	"		4 MIN
1/24/97	1607	11'	VERIFY	LOCATION			
2/26/97	A	Visual	to 11.0	—	see profile		OK

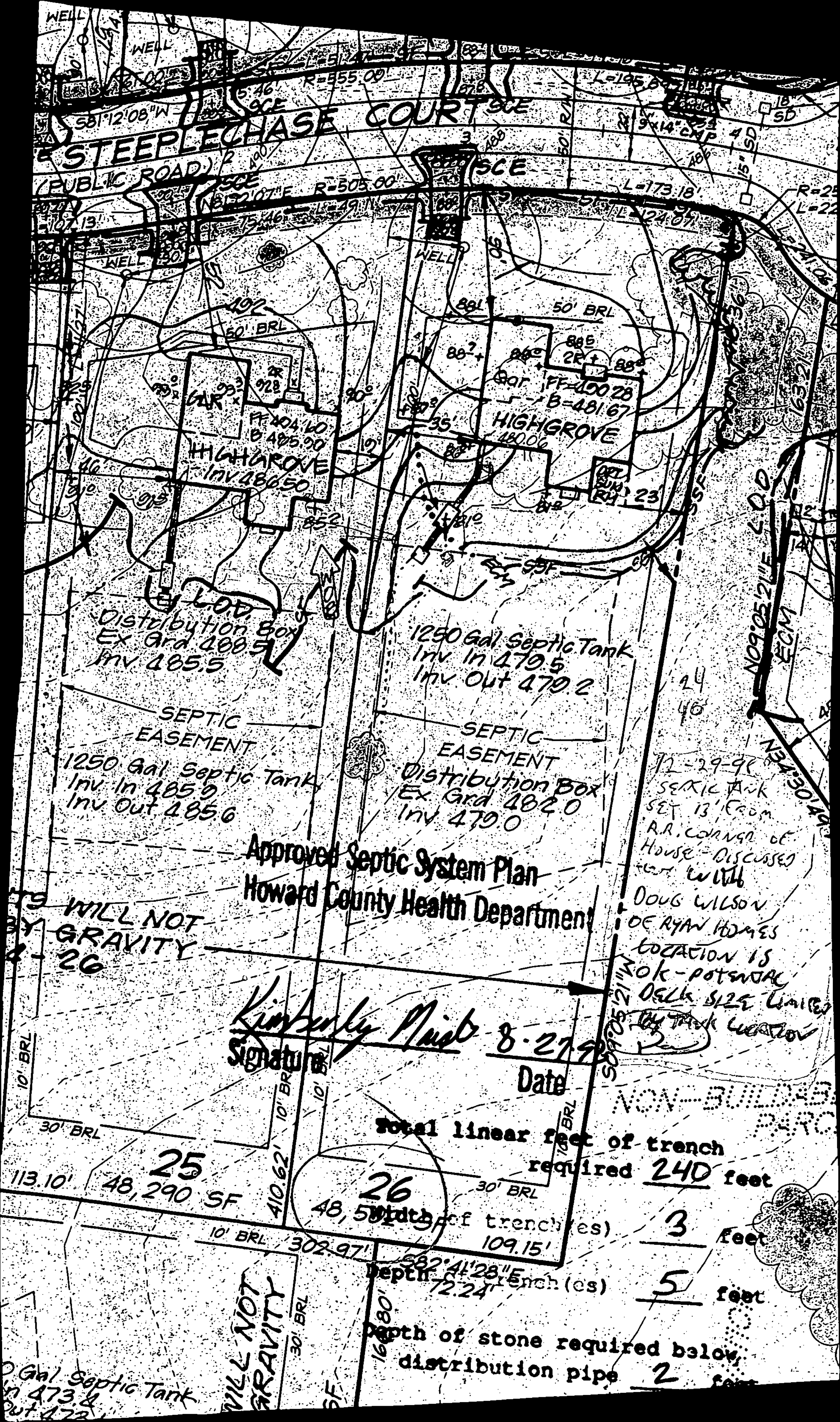
REMARKS LOT 44 - HOLE A OPEN 2+ HOURS

TYPE OF SOIL LOT 25 26

TESTED BY G. SAVAGE ALSO PRESENT OON MIKE+MIKE REVIEW

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 4 MIN TRENCH WIDTH 3

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT/BEDROOM 180



Approved Septic System Plan
Howard County Health Department

Kimberly Minick — Signature

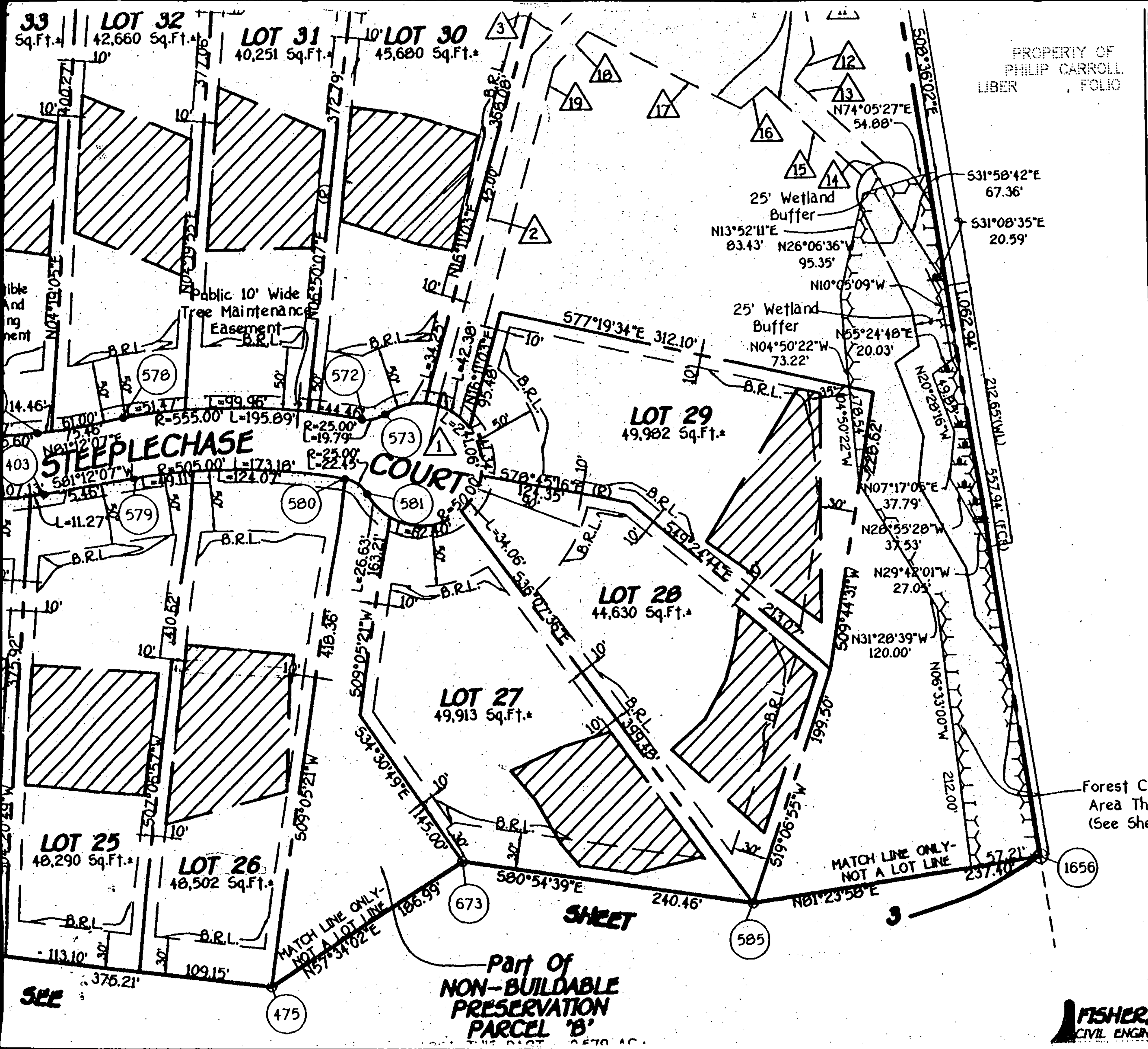
8-27-9? — Date

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 feet

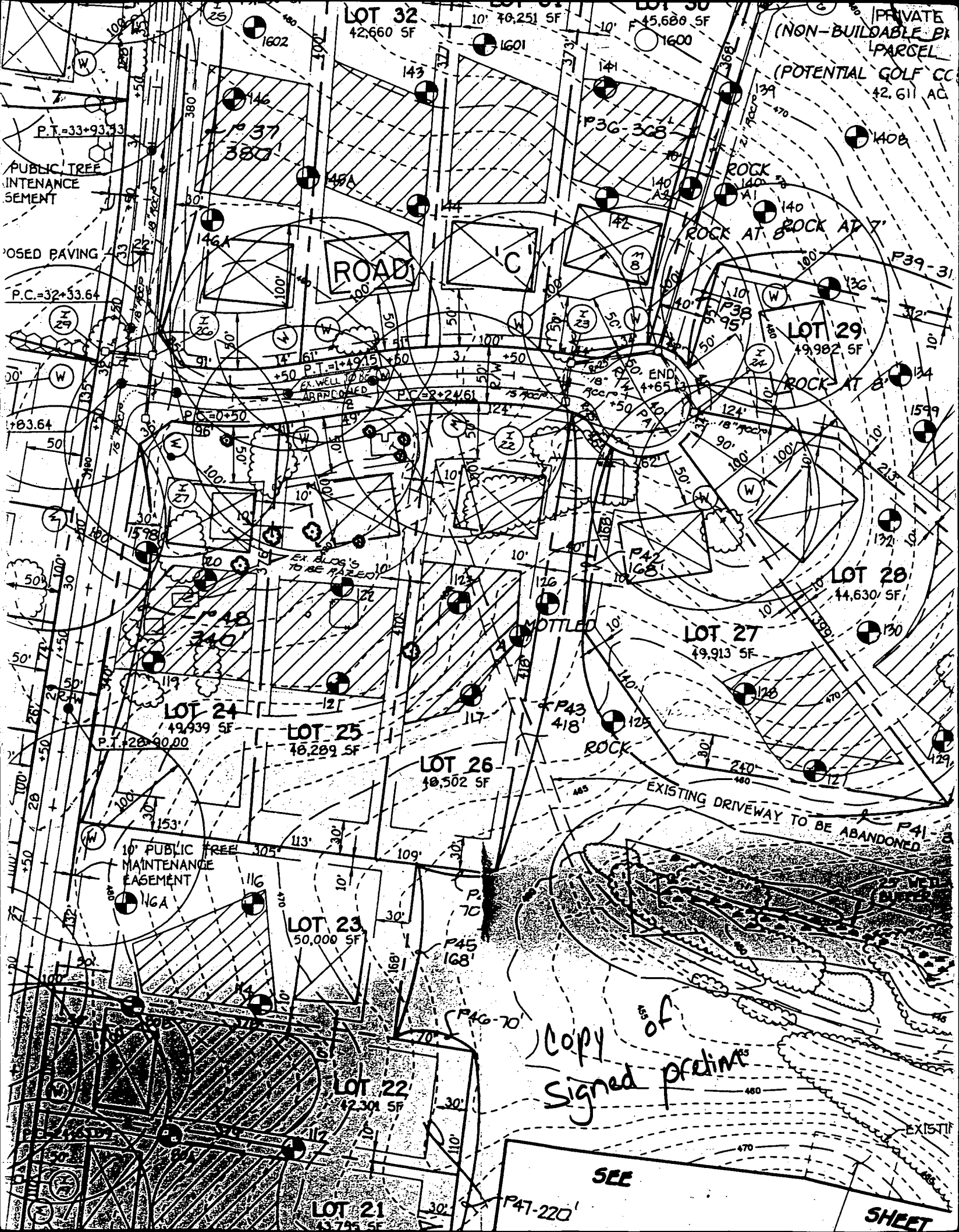
Depth of stone required below distribution pipe 2 feet



LOT 32
42,660 Sq.Ft.±
LOT 31
40,251 Sq.Ft.±
LOT 30
45,680 Sq.Ft.±
PROPERTY OF
PHILIP CARROLL
LIBER , FOLIO
STEEPLECHASE
COURT
LOT 29
49,982 Sq.Ft.±
LOT 28
44,630 Sq.Ft.±
LOT 27
49,913 Sq.Ft.±
LOT 25
48,290 Sq.Ft.±
LOT 26
48,502 Sq.Ft.±
Public 10' Wide
Tree Maintenance
Easement
25' Wetland
Buffer
25' Wetland
Buffer
Forest Conservation Easement
Area This Sheet = 0.891 Ac.±
(See Sheet 3 For Total Area)
MATCH LINE ONLY-
NOT A LOT LINE
MATCH LINE ONLY-
NOT A LOT LINE
SHEET 3
SEE
Part Of
NON-BUILDABLE
PRESERVATION
PARCEL "B"
S77°19'34"E 312.10'
S80°54'39"E 240.46'
N81°23'58"E 237.40'
N57°34'02"E 186.99'
R=555.00' L=195.89'
R=505.00' L=173.18'
N74°05'27"E
54.88'
S31°58'42"E
67.36'
S31°08'35"E
20.59'
N13°52'11"E
83.43'
N26°06'36"W
95.35'
N10°05'09"W
N55°24'48"E
20.03'
N04°50'22"W
73.22'
N07°17'05"E
37.79'
N28°55'28"W
37.53'
N29°42'01"W
27.05'
N31°28'39"W
120.00'
FISHER, COLLINS & CARTE
CIVIL ENGINEERING CONSULTANTS & LAN

Water Quality Drainage, Utility And Access Easement

SYMBOL	BEARING & DIST
1	R=50.00'
2	N16°11'03"E
3	N44°37'27"E
4	N20°00'03"W
5	N85°40'05"W
6	N04°19'55"E
7	S85°40'05"E
8	N06°46'15"E
9	S85°40'05"E
10	S68°24'13"E
11	S10°17'44"E
12	S37°56'50"W
13	S46°44'24"E
14	R=25.00'
15	N46°44'24"W
16	S50°40'07"W
17	N62°30'08"W
18	S44°37'27"W
19	S16°11'03"W



Copy of signed prelim

12-18-98
OK BB

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ✓
Replacement _____

Receipt # _____
Date _____

Name of Installer Lehsac Corporation Telephone 410-242-6883

License Number 3344
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ✓

Name of Property Owner Ryan Homes Telephone 410 654-0501
Subdivision Gaithe Hunt Lot # 26 Well Tag # HO-94-1637
Site Address 11008 Steeple Chase Court

Pump
1. Type
   a. Deep well jet _____
   b. Shallow well jet _____
   c. Submersible ✓
2. Make Sacuzzi Pump
3. Model # 15452LB-F2
4. Capacity 5 GPM
5. Pump exceeds well capacity Yes _____ No ✓
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards ✓ Other _____

Motor
1. Horsepower _____
2. RPM _____
3. Voltage _____
   a. 110 _____
   b. 220 _____

Pitless Adapter
1. Make _____
2. Model # _____
3. Depth _____

Tank
1. Capacity _____
2. Pressure relief valve? _____

Piping
1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____

Well data
1. Depth 300 ft.
2. Yield 5/10 GPM
3. Static water level _____ ft.
4. Will water supply be disinfected by installer? _____

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.

Inspected?

Signature of Applicant: _____

Date: _____

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

HD-218

C 1 | 4371 | SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 564292

ST/CO USE ONLY
DATE Received MM 8 DD 14 YY 98

DATE WELL COMPLETED MM 08 DD 11 YY 98

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho 94 - 1637

OWNER RUSSELL DEVELOPMENT LLC (last name)
STREET OR RFD STEEPLE CHASE C (first name) TOWN WILDS LAKE
SUBDIVISION GAITHER HUNT SECTION 1 LOT 26

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
Brown Soil	0	40	
Brown Sandstone	40	45	
Gray Granite	45	80	
Hard Brown Sandstone	80	98	
Gray Granite	98	300	
		50	✓
		120	✓
		240	✓

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MWD 355
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. JWD 341
Max S. Jones
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 (Circle one)
CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 13 NO. OF POUNDS 832
GALLONS OF WATER 78
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. (TOP) to 49 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)
ST	06	49

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	depth (feet) to
ST	05	57	100

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

EACH SCREEN	DEPTH (nearest ft.)	
1	80	100'
2		
3		

Screened

SLOT SIZE 1 ____ 2 ____ 3 ____
DIAMETER OF SCREEN 5 4 (NEAREST INCH)

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

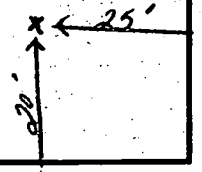
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 ____ 72 ____ 74 75 76
TELESCOPE CASING | LOG INDICATOR | OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 4.6
METHOD USED TO MEASURE PUMPING RATE Watch & Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 29 ft.
WHEN PUMPING 105 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 INSTALLED PUMP (CIRCLE) (YES or NO) 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)
PUMP HORSE POWER
PUMP COLUMN LENGTH (nearest ft.)
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)



DENV-CR97 ② COUNTY

EMERGENCY/TEMP NO. IF ANY

B 1 — 8350 — SEQUENCE NO. (MDE USE ONLY)
1 2 3 6
(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: HO-94-1637
70 fill in this form completely 79

Date Received (APA): 7 15 98
8 MM DD YY 13

OWNER INFORMATION

RUSSELL DEVELOPMENT, LLC
15 Last Name Owner First Name 34

8808 CENTRE PARK Dr. Suite 108
36 Street or RFD 55

COLUMBIA MARYLAND 21045
57 Town 70 State 72 Zip 76

DRILLER INFORMATION

MICHAEL BARLOW MWD 355
Driller's Name 76 License No. 81

MICHAEL BARLOW WELL DRILLING SVC INC
Firm Name

912 FAWN COURT JOPPA, MD 21085
Address

Signature 6.17.98 Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5 (8 12)

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

[F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION

22 [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

[P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL

[T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 200 FEET (24 28)

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

METHOD OF DRILLING (circle one)

30 BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary (AIR-PERcussion) ROTARY (Hydraulic Rotary)
37 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

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

[D] THIS WELL WILL DEEPEN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER: GAP (54 63)

FORCE: GS (67 68) WRITE INITIALS IN BOX

PERMIT No. HO-94-1637 (70 71 72 73 74 75 76 77 78 79)

B 3 LOCATION OF WELL

HOWARD
8 COUNTY 21

GAITHER HUNT
23 SUBDIVISION 42

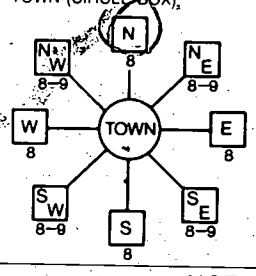
SECTION 1 (44 46) LOT 26 (48 50)

WILDE LAKE
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town): 4 M I (73 76 77 78)

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX):



Road C
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 15 37 DISTANCE FROM ROAD

FT ENTER FT OR MI (38 39)

TAX MAP: 29 BLK: 5 PARCEL: 21

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD A 564292
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 7 21 98 (43 MM DD YY 48) CO SIGNATURE 7.21.99 EXP. DATE

NORTH GRID 521 000 (50 55) EAST GRID 830 000 (57 63)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X →

SOURCES OF DRILLING WATER
1.
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E [redacted] 830

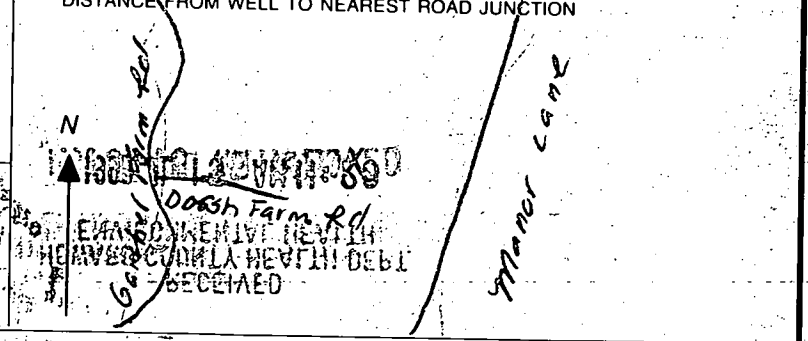
N [redacted] 521

8/10/98 11:30 grout

X

000
000

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

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

COUNTY