

10/29/99
2:00
11/29/99 C.O.
10:00

PERMIT

SEWAGE DISPOSAL SYSTEM

P 512716

A 56429-ATT

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 9/20/1999

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

DATE SYSTEM APPROVED 12/15/99

INSPECTOR BB

INDEXED
03-327582

Lehsac Plumbing & Heating IS PERMITTED TO INSTALL X ALTER _____

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

SUBDIVISION Gaither Hunt I LOT 45 ROAD 11108 Dorsch Farm Road

PROPERTY OWNER Ryan Homes

ADDRESS _____

TOP SEAMED TANK REQUIRED **PUMPED SEPTIC SYSTEM PROPOSED**

SEPTIC TANK CAPACITY 1250 GALLONS
NUMBER OF BEDROOMS 4

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 pumped septic system.

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe. 20

LOCATION - Begin trenches 130 feet up the right lot line and 10 feet off that same lot line as seen when facing the lot from Dorsch Farm Road. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7/14/99 DG on 9/24/99 SKM

PLANS APPROVED BY Amy McMillen DATE 7-05-1999

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

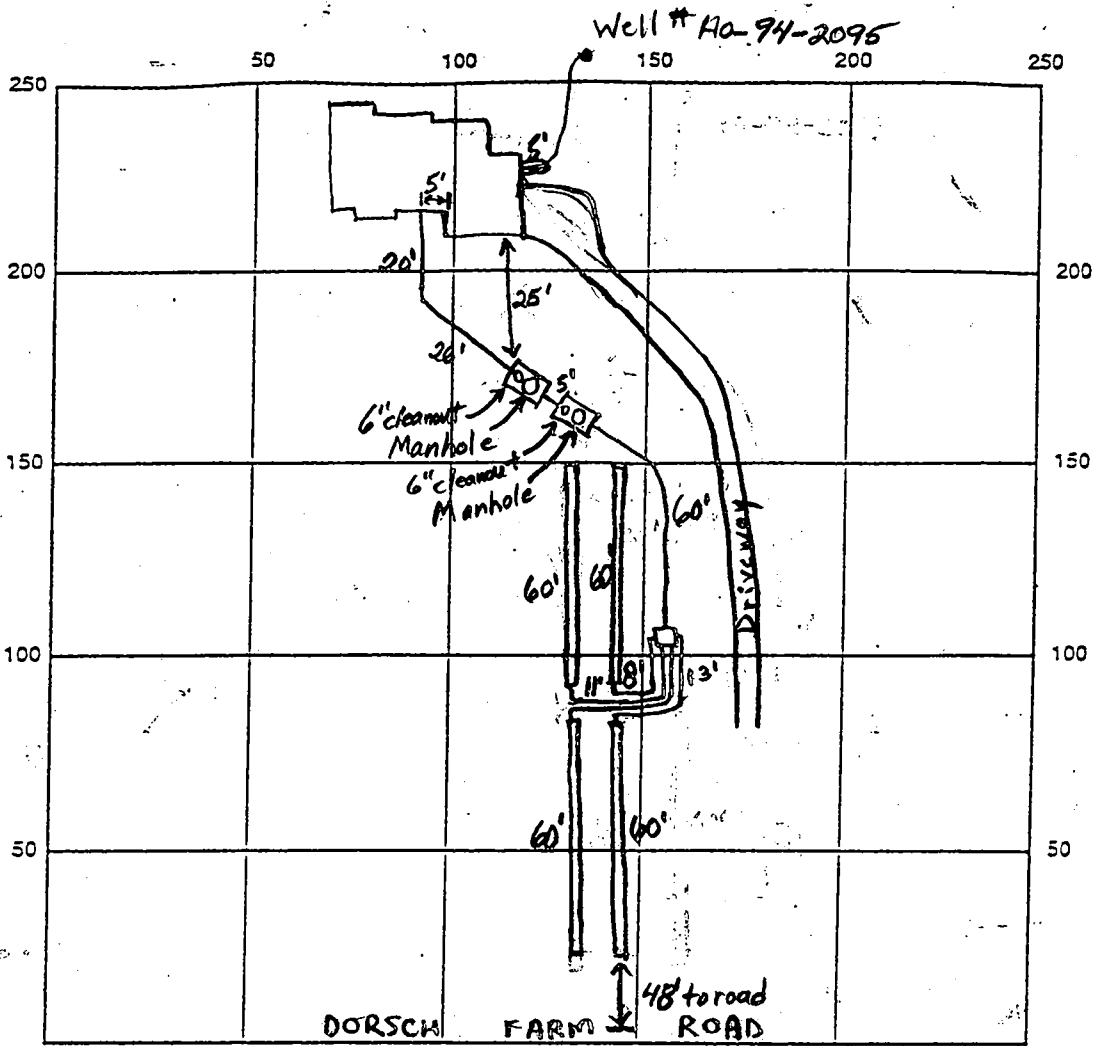
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED. Approved Ptd

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

ENG. PERMIT SIGNED
AND RETURNED 12-30-99
Serial # B77121970

56429-ATT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1-Manholes on each tank

SEPTIC TANK LEVEL \checkmark 2-1500 gallon topseam tanks CLEANOUTS 1-6" on each tank

DISTRIBUTION BOX LEVEL \checkmark Baffle is in

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

EFFECTIVE GRAVEL DEPTH 2 FT. - TOTAL LENGTH 4x60 FT. (240' TOTAL)

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

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

ABSORBENT AREA N/A SQ. FT.

REMARKS: 10/29/99-WPI OK, OK TO CONTINUE WORK (SRK) 11/29/99 O.K. to cover everything. Final approval pending pump performance test (BB)
12/15/99 Alarm and pump working (BB)

DATE SYSTEM APPROVED 12/15/99 INSPECTOR B. Baker

WL 0045

A.F. HUNG SEWER
SCOTT 4/11/99

LOT 49
41,770

Total linear feet of trench required 240 feet

Width of trench (as) 3.0 feet

Depth of trench (as) 4.0 feet

Depth of stone required below distribution pipe 2-0

Approved Septic System Plan
Howard County Health Department

LOT 48
44,193

LOT 46
45,222

LOT 45
49,900

Dist. Box
Inv. = 4.786

1250 Gal Septic Tank
Inv. In. = 4.790
Inv. Out. = 4.787

LOT 47
43,122

YORKSHIRE
FF = 489.60
B = 480.90

RIGHMGROVE
FF = 491.30
B = 482.56
INV. 487.7

INV 486.2
INV 486.9

EX GRD 492
INV IN 490

at-it* Fax Note	7671	Date	4-14	# of pages	1
From	SCOTT JAMES	Co./Dept.	RYAN	Co.	J.M.E. CFS, INC.
Phone #	GAITHER HUNT	Phone #			
Fax #	LOT 45	Fax #			

APPLICATION

PERCOLATION TESTING

A 56429

P _____

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

DISTRICT _____

DATE _____

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 Scribner 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 PHONE _____
21044

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 45

ROAD AND DESCRIPTION (11108 Dorsch Farm Road)

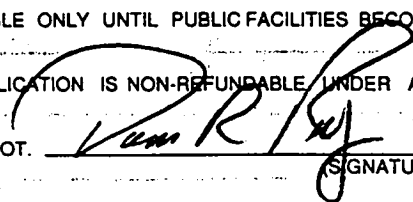
TAX MAP 29 PARCEL # 21
SIZE OF LOT 1+ Acres TYPE BLDG. SFD-4Bm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGN'D

AND RETURNED 7-3-92

Serial # B70118538

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.



(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

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

56429
COUNTY#

SOIL PROFILE

177

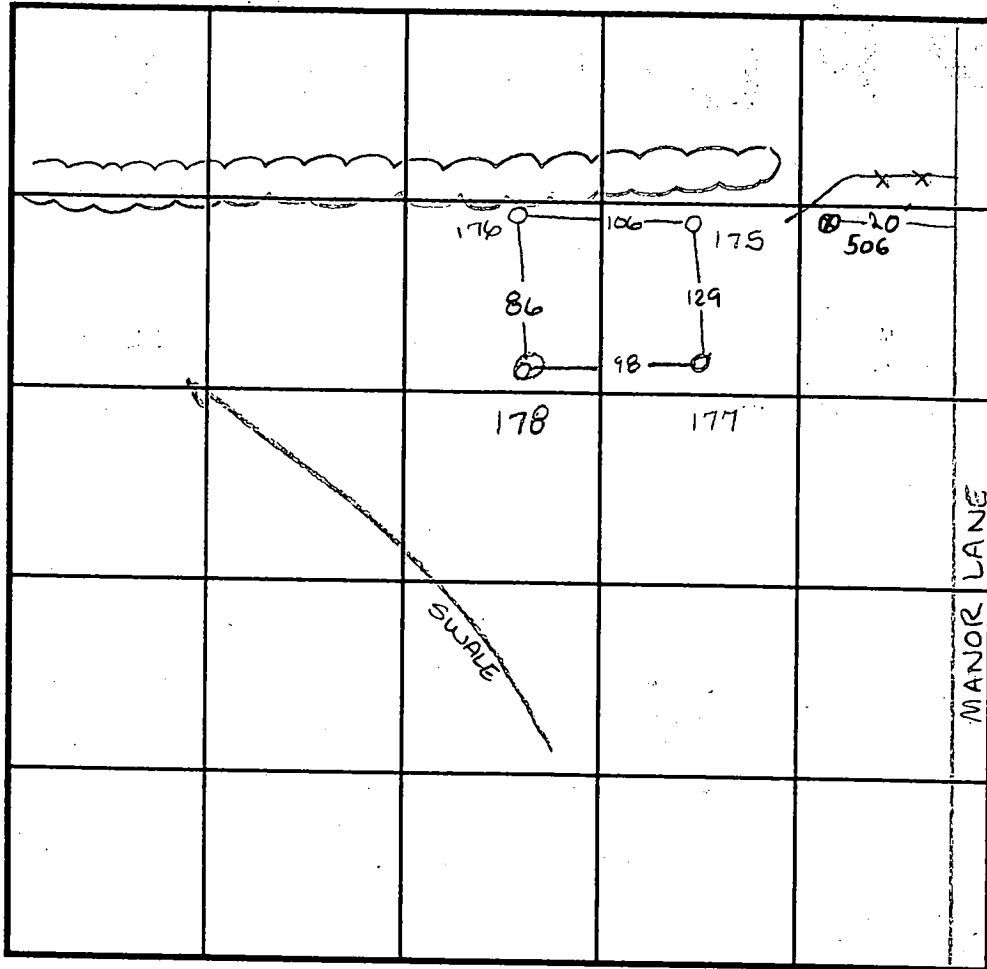
0' bright orange red SiCLM
3.0' bright orange red SiLM
10% feldspar frags partially decayed
4.5'

175

2.5' brown SiCLM
dark red SiLM
4.5' orange tan SiSalm

178

4.5' 40% feldspar/quartz rock
7.0' dark brown Salm
10% frags
8.0' dark brown Salm
>50% frags



SOIL PROFILE

176

0' dark brn SiCLM
4.0' layer of rock
5.0' orange brn SiSalm
8.5' >50% rock lgt orange brn SiLM
10.0' red sand

1. BRIGHT ORANGE SiCLM

5 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-26-96	177	3.5 / 9.5	2:49	2:52 ³⁰	2:52 ³⁰	2:57	4 1/2 min
	178	4.0 / 17.0	2:55	2:57	2:57	3:00	3 min
	175	3.5 / 11.0	2:59	3:00	3:00	3:01 ¹⁵	1 1/4 min
	176	4.0 / 10.0	3:03	3:05	3:05	3:08	3 min
8/7/96	506	4'6" / 11	4:25	4:26	4:26	4:29	3 1/4 W

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Don Reuver

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

COUNTY #

SOIL PROFILE

1612

0' dark orange brown silty m

4.0 orange brown silty m

2.0 lgt orange tan silty m
5% rock

1611

dark red orange silty m

orange red silty m

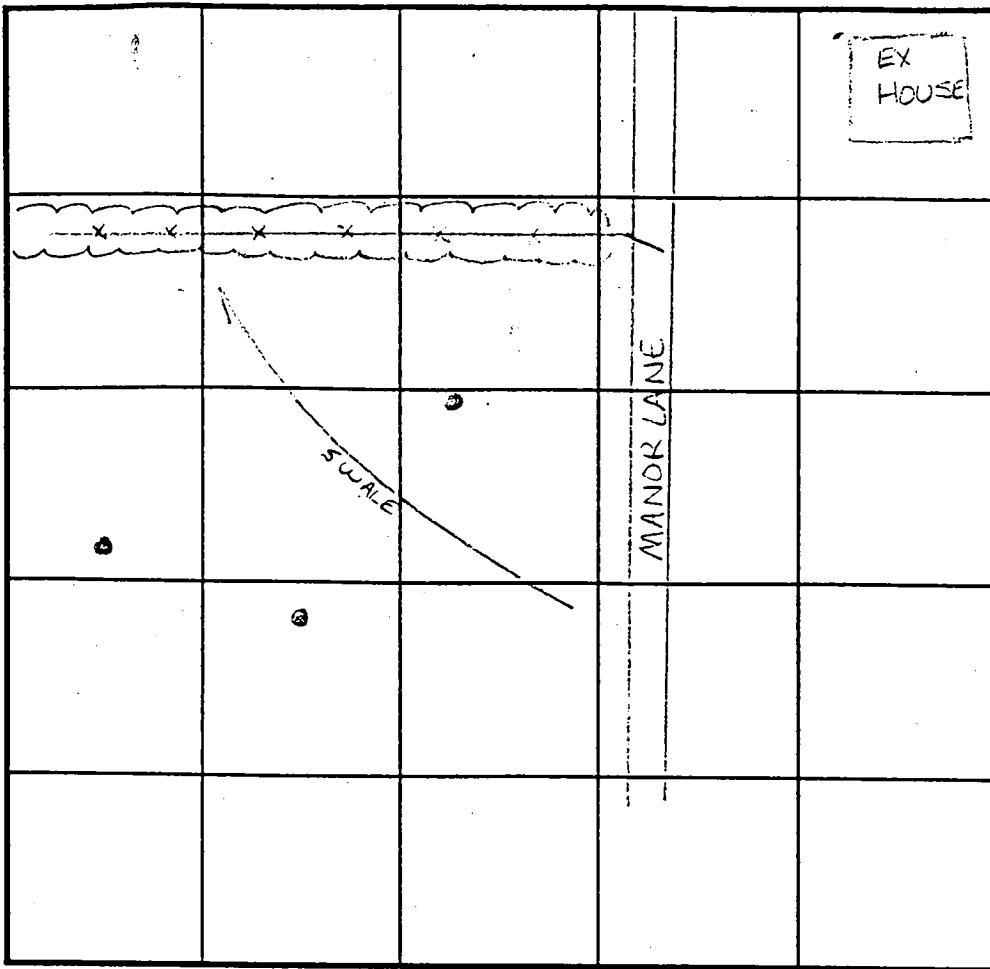
white & mottled brown silty m
orange brown silty m

1610

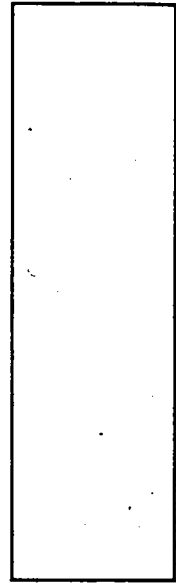
yellow orange clay

orange brown silty m

red orange silty m



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-26-97	1612	4.0 / 110.5	10:00	10:03	10:03	10:07	4min
8-28-97	1611	4.0 / 110.0	10:08	10:14	10:14	10:21	7min
	1610	4.0 / 110.0	10:06	10:07	10:07	10:12	5min

REMARKS LOT 46 ✓

TYPE OF SOIL _____

TESTED BY Amy McMullen ALSO PRESENT Jared Spawon

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

C1 9879

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

1 2 3 6

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER A56429J

ST/CD USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 3-29-99

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2095

OWNER Russell Development last name first name Darsch Farm Rd TOWN Ellicott City STREET OR RFD SUBDIVISION GATHER HUNT SECTION 2 LOT 45

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 (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST 06 23

OTHER CASING (if used) diameter depth (feet) inch 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MVD 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. Jwb 341 Max S. Jones

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

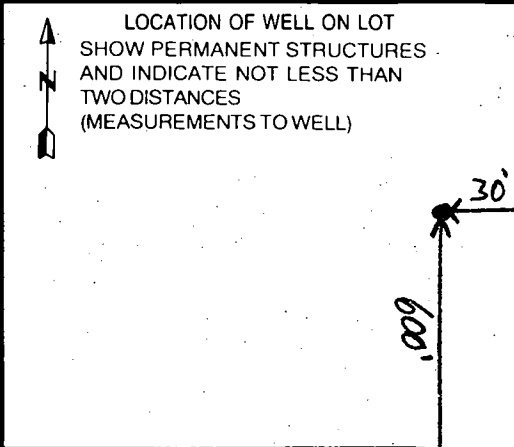
DEPTH (nearest ft.) 23 200

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10 METHOD USED TO MEASURE PUMPING RATE watch & bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 25 WHEN PUMPING 84 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES 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



B 1 5150 SEQUENCE NO. (MDE USE ONLY)

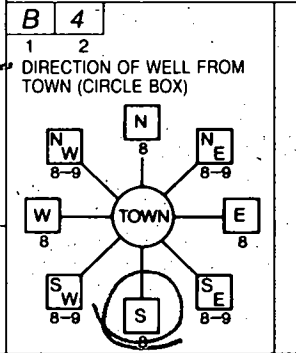
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-2095 fill in this form completely

OWNER INFORMATION: Date Received (APA) 01/29/99, Russell Development LLC, 8808 Centre Park Dr. Suite 209, Columbia MD 21045

LOCATION OF WELL: Howard County, Gaither Hunt Subdivision, Section 1, Lot 45, Ellicott City, 4 miles from town

DRILLER INFORMATION: MICHAEL BARLOW MWD 355, MICHAEL BARLOW Well Drilling Svc. Inc., 912 FAWN CT Joppa MD 21085, 1-22-99



DORSCH FAIRM RD, 300 FT DISTANCE FROM ROAD, TAX MAP, BLK, PARCEL

WELL INFORMATION: APPROX. PUMPING RATE 5 GAL PER MIN, AVERAGE DAILY QUANTITY NEEDED 500 GAL PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard CO A56429J, STATE SIGNATURE, DATE ISSUED 02/11/99, CO SIGNATURE A McMulle, EXP. DATE 2-11-00

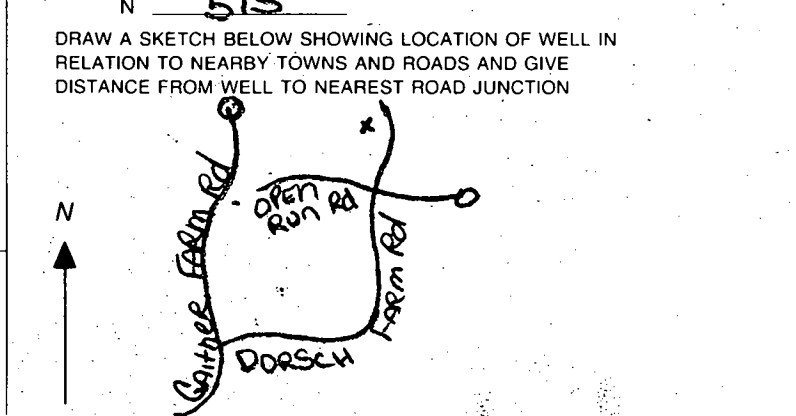
USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

APPROXIMATE DEPTH OF WELL 200 FEET, APPROXIMATE DIAMETER OF WELL 4 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X: 3/29/99 10:30 AM, SOURCES OF DRILLING WATER, WRITE THE BOX NUMBER FROM THE MAP HERE: E 830, N 515

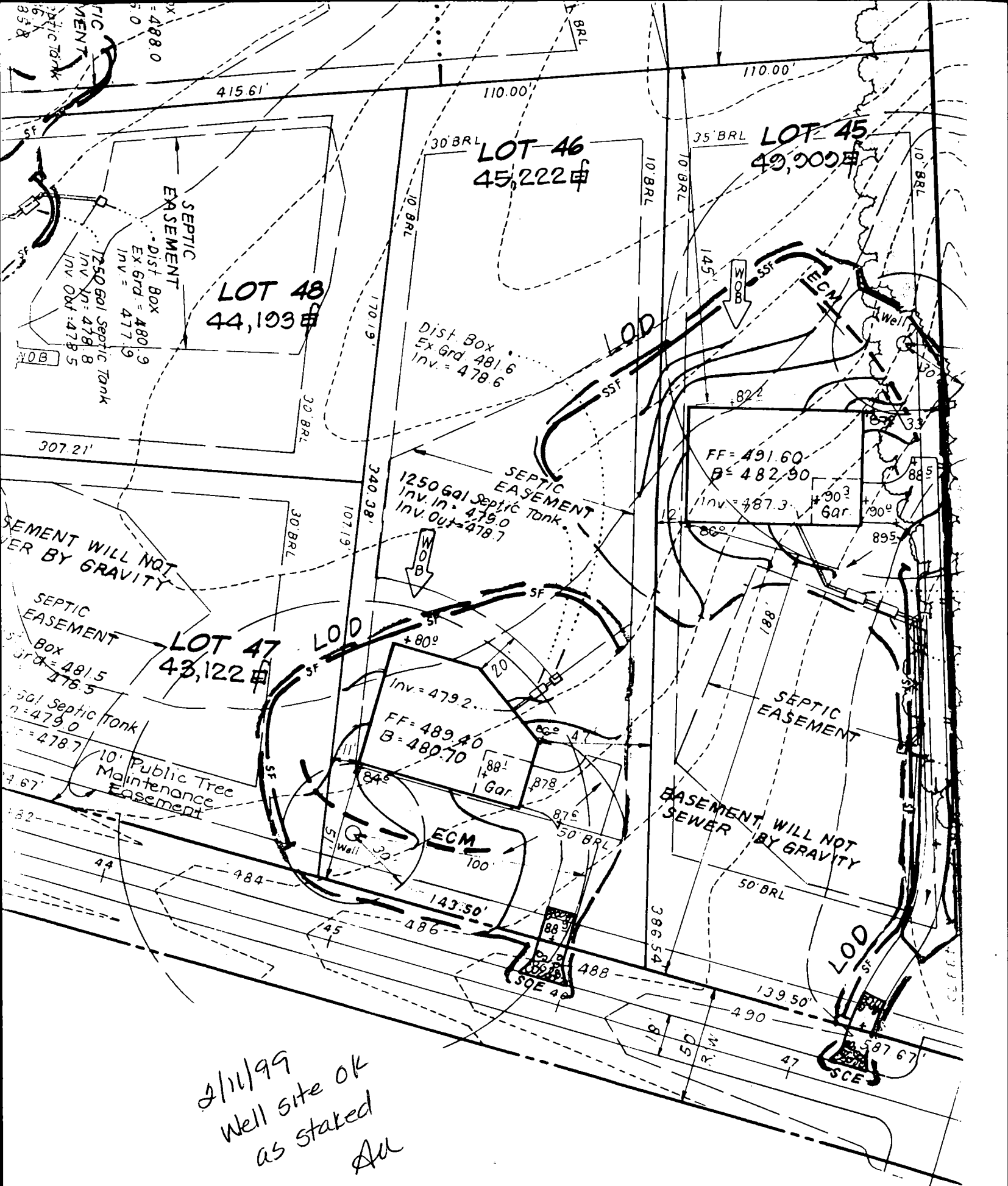
METHOD OF DRILLING (circle one): AIR-PERCussion

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL



Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER, PERMIT No HO-94-2095

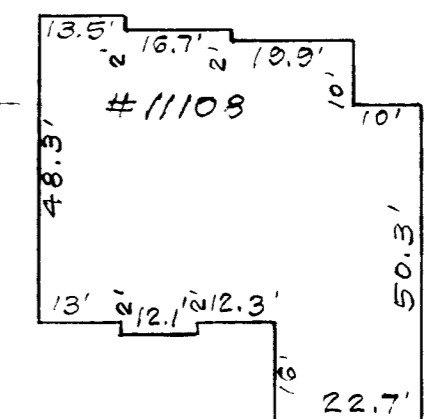
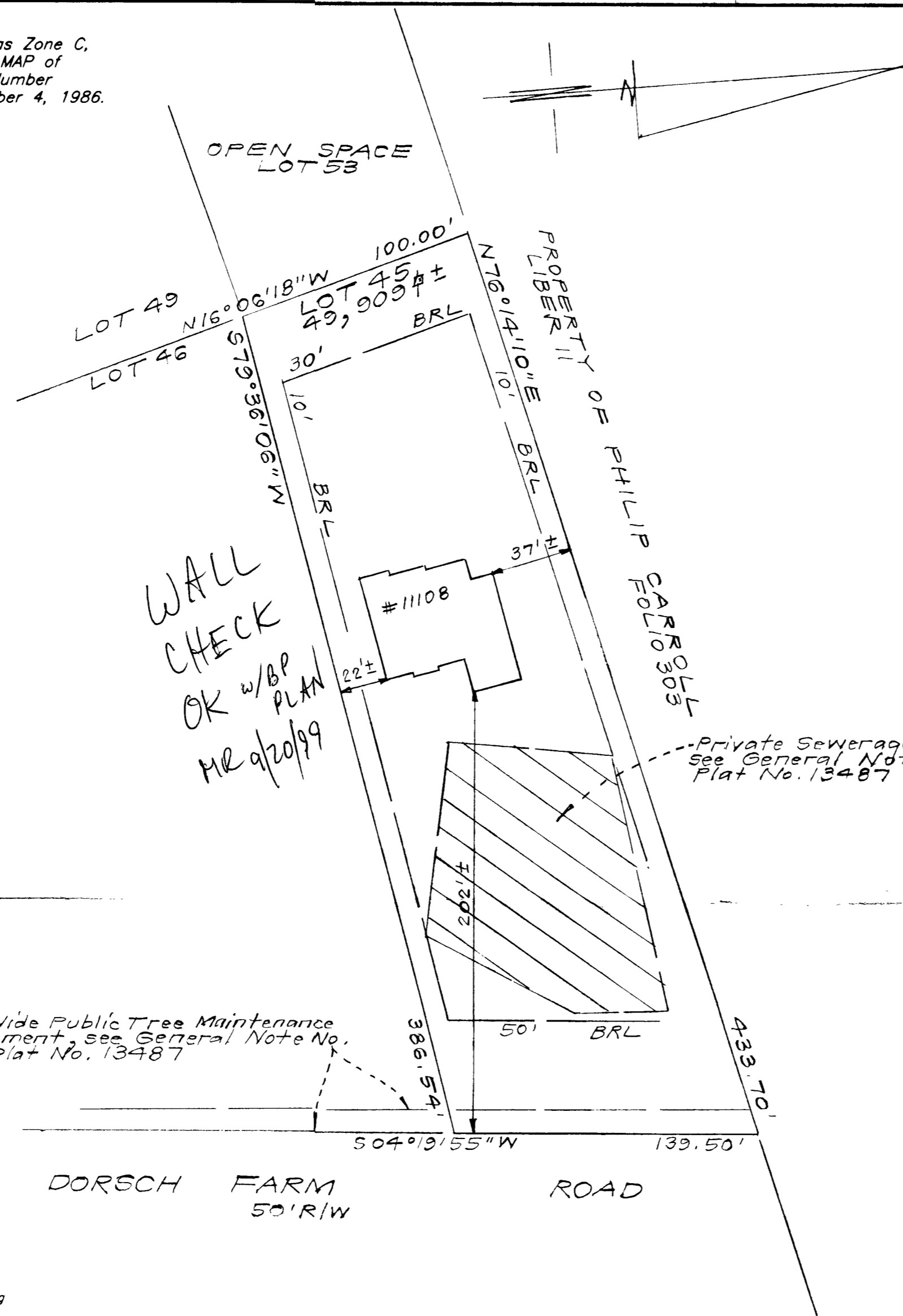
SPECIAL CONDITIONS: NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



2/11/99
 Well site OK
 as stated
 Au

NOTE: This lot appears to lie in an area classified as Zone C, area of minimal flooding, as shown on FIRM MAP of Howard County, Maryland, Community Panel Number 2400440027B, Panel 27 of 45, dated December 4, 1986.

Wall Check: 8-12-99
Top of Wall Elev.: 491.2



SCALE: 1" = 30'

CONSUMER INFORMATION

1. This plat is of benefit to the consumer only insofar as it is required by a lender of a title insurance company or its agent in connection with contemplated transfer, financing or refinancing purposes;
2. This plat is not to be relied upon for the establishment or location of fences, garages, buildings or other existing or future structures;
3. This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.

DORSCH FARM ROAD 50' R/W

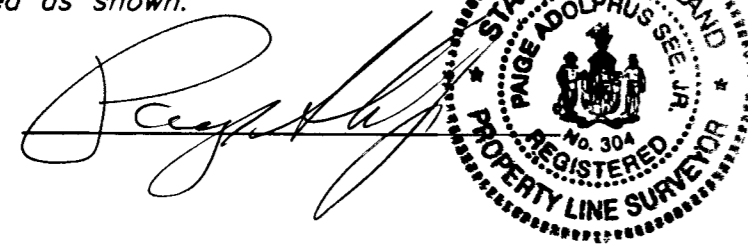
NOTES:

1. The ± setback distance accuracy = 1'.

SURVEYOR'S CERTIFICATE

I hereby certify that a field survey of this property has been made under my supervision for the purpose of locating the improvements shown hereon, and that they are located as shown.

8-13-99
DATE



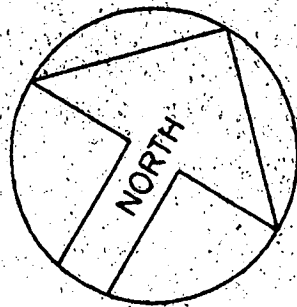
Plat Reference: PLAT No. 13488

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.		
DESIGNED	LOCATION DRAWING 11108 DORSCH FARM ROAD LOT 45	SCALE 1" = 50'
DRAWN KWC	GAITHER HUNT Section 1, Area 2, Lots 34 - 62 and Buildable Preservation Parcel 'A', (A Resubdivision of Lot 1 as shown on a plat entitled "Chance Lot 1" - Plat No. 6985 and part of Liber 4208, Folio 436)	DRAWING
CHECKED PAS	SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.
DATE 8-13-99		FILE NO. 98-009-0

ACKS:	
PL.	10'
PL.	10'
E	10'
C	20'
	30'

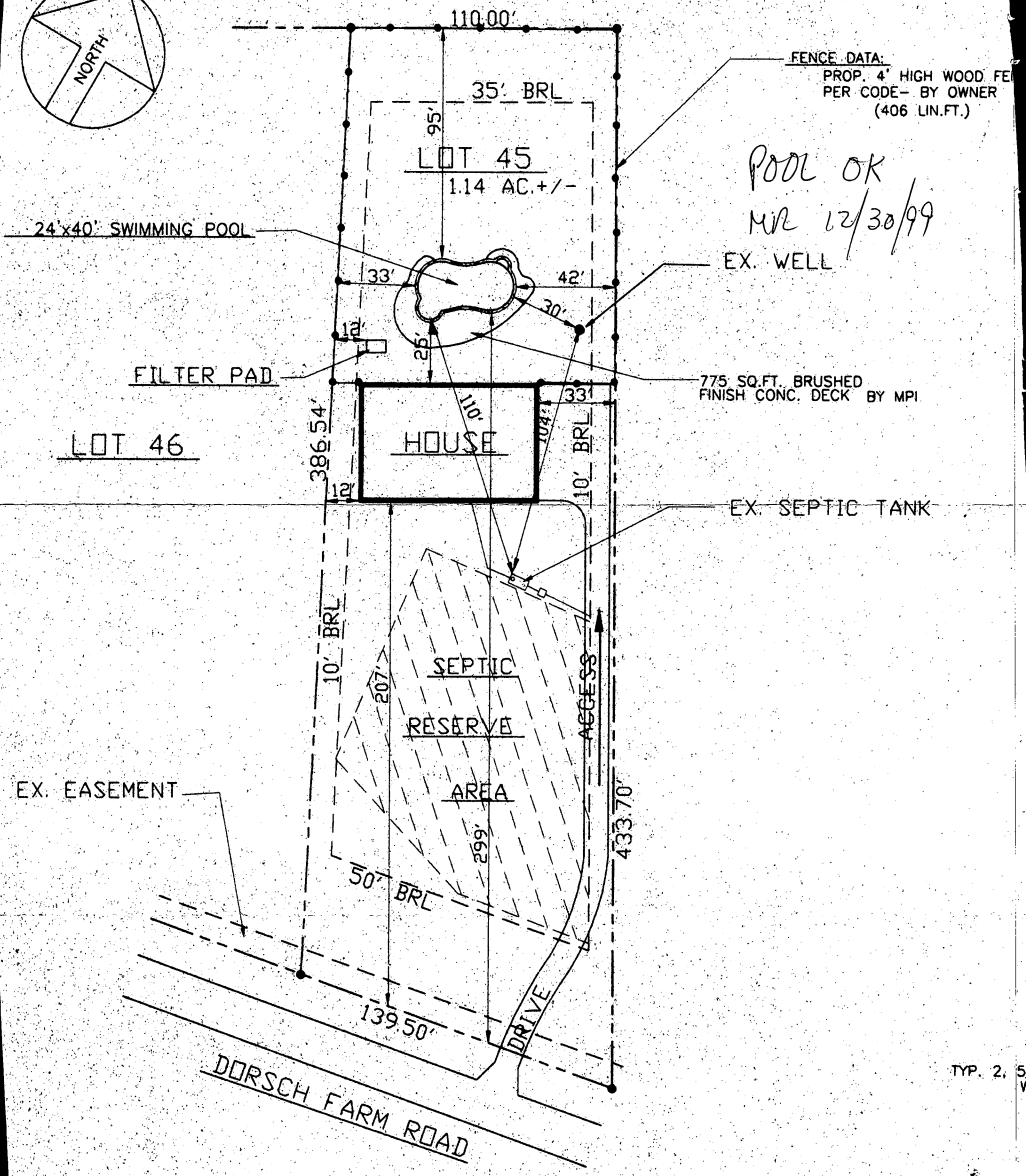
PRIVATE WELL
& SEPTIC

NOTE: A VACUUM BREAKER
WILL BE INSTALLED
ON JOB AS PER
CODE.



FENCE DATA:
PROP. 4' HIGH WOOD FENCE
PER CODE - BY OWNER
(406 LIN. FT.)

POOL OK
MR 12/30/99



SITE PLAN
SCALE: 1"=40'

TYP. 2, 5' W/