

11/23 - anytime
11/28 2:30 PM
12/9
12-13-93

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-408652

P 49674

A 31174

DISTRICT 5th

DATE 10/14/93

DATE SYSTEM APPROVED 12/19/93

INSPECTOR RA

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX 461-9933~~ 313-2640

INDEXED

Nelson Beall IS PERMITTED TO INSTALL X ALTER

ADDRESS 12821 Princes Distrillery Road, Clarksburg, Md. 20871 PHONE 253-0863

SUBDIVISION Chapel Chase LOT 25 ROAD 12724 Chapel Chase Drive

PROPERTY OWNER John Morgan

ADDRESS _____

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 225

PROD. PERMIT SIGNED
AND RETURNED 4-14-99
Serial # 11727
On ground Proj.

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the intersection of the 61.62' and 233.25' lot lines, place the distribution box 40 feet up the 233.25' lot line and 95 feet off this same lot line. 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 MR 9/27/93

OK TO RUN 2 112' TRENCHES MR 9/27/93

PLANS APPROVED BY Mark Rifkin REVISED _____ DATE 9/13/93

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.

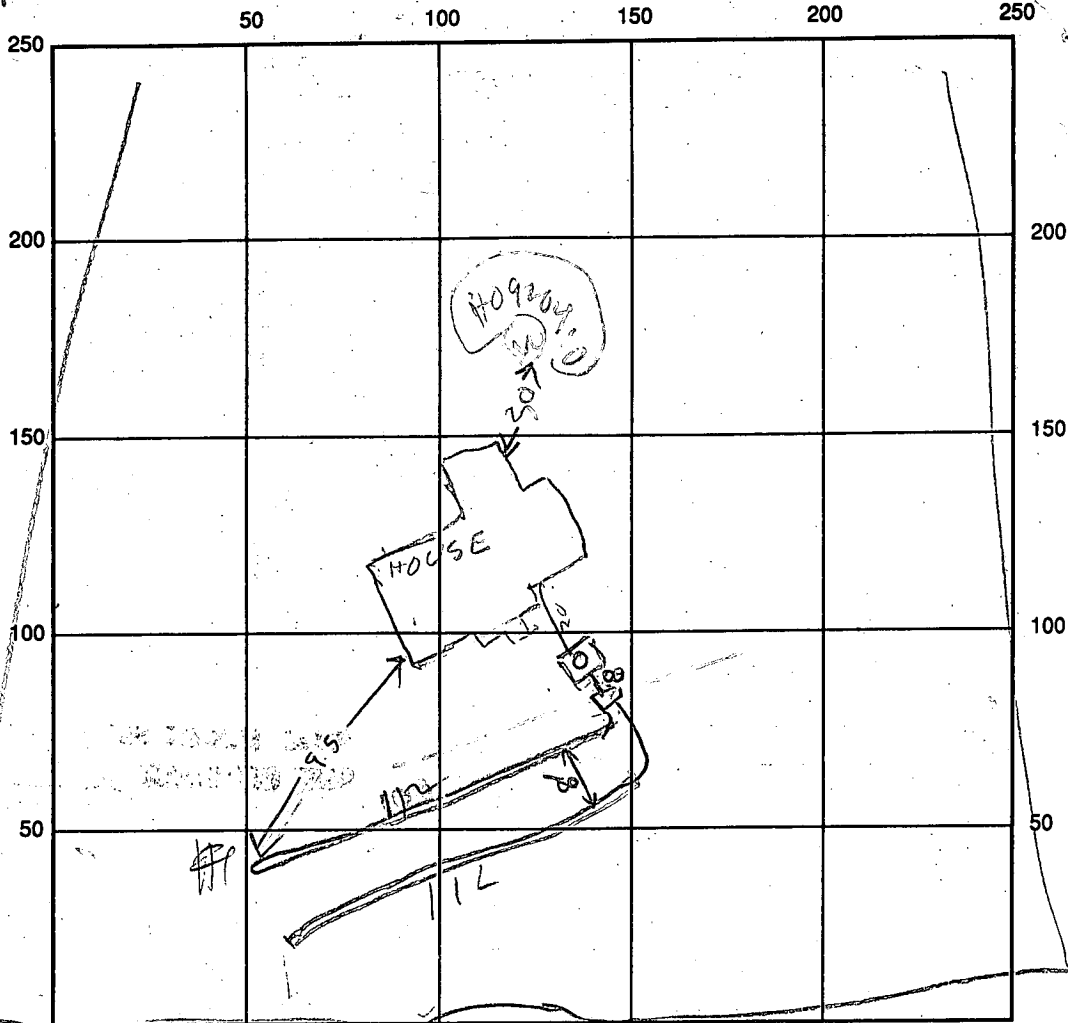
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

PROD. PERMIT SIGNED
AND RETURNED 5-14-98
Serial # 11724
Integrity Alternatives
Baltimore

A 31174

LOT 25
 CHAPEL CHASE
 12724 CHAPEL CHASE DR.
 A31174



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 150 0

CLEANOUTS BT MANHOLE

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TITLE DEPTH 9.5 FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 5.5 FT.

TOTAL LENGTH

#1	#
11.2	11.2

 FT. 22.4

NUMBER OF TRENCHES 2

ONE SIDEWALL/BOTTOM AREA 1230 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT.

EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 11/23/93^{AM} - TRENCH #1 DUG - ADD STONE TO TRENCH #1 & DIG TRENCH #2

11/29/93^{PM} - OK TO COVER TRENCH #1 & TANK & DIG TRENCH #2 CALL RH

OK to install full second trench PIP 12/9/93

12/13/93 STONE ADDED BT

DATE SYSTEM APPROVED 12/13/93
2:30 PM
1009

INSPECTOR B. Hodger

180
 900

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31174
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
PO BOX 476 ELLICOTT MARYLAND 21043
TELEPHONE 992-2330

DISTRICT 5th Elec. Dist.

DATE 2-17-81

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 Ms. Corraïne D. Hebb/c/o Edward Kasemeyer John + Kimberly Morgan

ADDRESS 9051 Baltimore National Pike PHONE (301) 465-7474
Ellicott City, Maryland 21043

PROPERTY LOCATION

SUBDIVISION Chapel Chase LOT NO. A-8 Final Lot 25
~~A-9~~

ROAD AND DESCRIPTION Finden Church Road Off of Maryland Route 32
(12724 Chapel Chase Drive)

SIZE OF LOT 3.66 Acres TYPE BLDG Single-Family Detached

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.

SIGNATURE OF APPLICANT Edward Kasemeyer

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED

AND RETURNED 9/13/98

Serial # 50431 - SFD

5 Bedroom

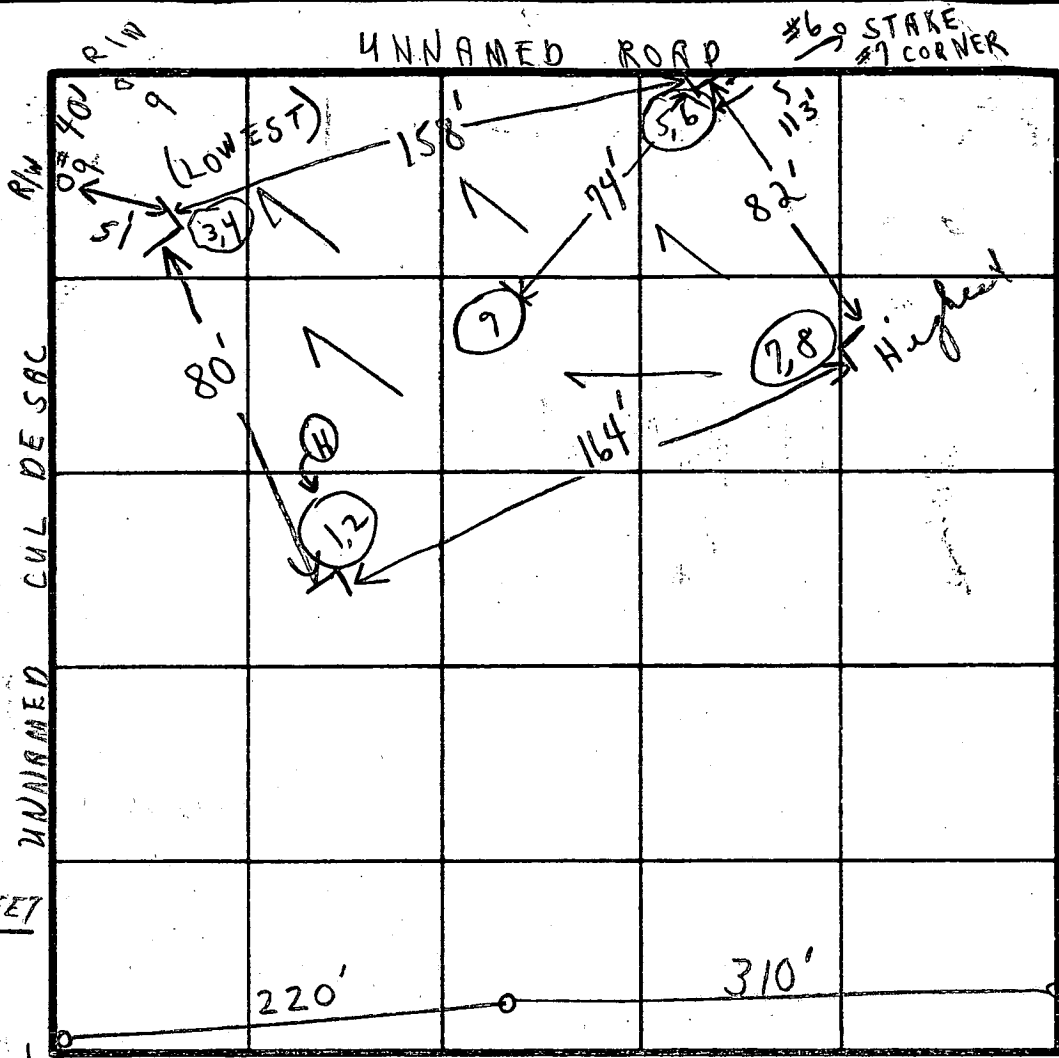
THIS IS NOT A PERMIT

New # 8-7

A-9
SOIL PROFILE

SEE EACH HOLE BELOW

FIELD SHEET



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

A 31174

SOIL PROFILE

1' - 5' CLAY
5' - 12' LOAM
1' - 3 1/2' CLAY
3 1/2' LOAM
TO 13'-10"
1' - 4' CLAY
4' - 8' LOAM
1' - 3 1/2' CLAY
3 1/2' - 9 1/2' - 14' LO

DATE	TEST NO	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/13/81	1	5'	10:10	10:17	10:17	10:32	15m
	2	12'	10:11	10:14	10:14	10:18	4m
	3	3 1/2'	10:19	10:22	10:22	10:29	7m
	4	8'	10:19	10:22	10:22	10:25	3m
	5	4 1/2'	10:56	10:58	10:58	11:00	.2m
	6	8'	10:56	10:59	10:59	11:04	5m
	7	3 1/2'	10:53	10:54	10:54	10:55	1m
	8	7 1/2'	10:53	10:54	10:54	10:57	3m
	9	13'	1' - 4 1/2" clay 4 1/2' - 13' loam by visual				
							8 40

4' good ground 5' 5 min average

REMARKS: WOODED LOT TEST HOLES (#9, #5,6, #1,2) ALL THREE HOLES SIMILAR ELEV. DIGGER +

TYPE OF SOIL: C.B.

TESTED BY: C.B.

ALSO PRESENT: JAD

HOLD FOR CONFIRMED ONLY NOLES

B 1 05273

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 40-92-0410 fill in this form completely

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

OWNER INFORMATION Date Received (APA) 07/29/93 JOY SONS JOYDUSTIN RD BURTONSVILLE MD 20866

LOCATION OF WELL HOWARD COUNTY CHAPEL CHASE SUBDIVISION SECTION 44 LOT 25 CLARKSVILLE NEAREST TOWN MILES FROM TOWN 2.5 MI

DRILLER INFORMATION Joseph L. Mayne License No. 24 5512 Ridge Rd. Mt. Airy 21771 7/12/93

DIRECTION OF WELL FROM TOWN (CIRCLE-BOX) NEAR WHAT ROAD Chapel Chase Rd. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 280 FT

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 A # 31174 STATE SIGNATURE DATE ISSUED 072893 Charles B... 10/28/94 CO SIGNATURE EXP. DATE NORTH GRID 000 EAST GRID 000

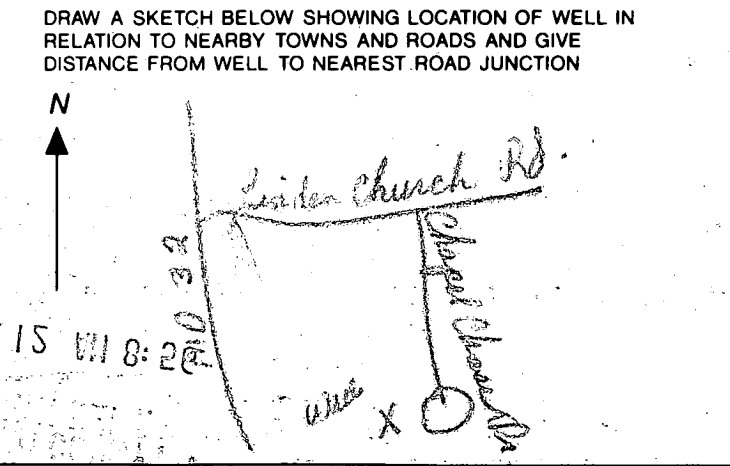
APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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 8/13/93 9:30 SOURCES OF DRILLING WATER 1. WELL 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 810 N 500

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) APPROX. PERMIT NUMBER GAP PERMIT No. 40-92-0410

SPECIAL CONDITIONS

C1 0464

SEQUENCE NO. (DENV USE ONLY)

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# 31074

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 08/19/99

Depth of Well 420 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-92-0410

OWNER last name first name TOWN SUBDIVISION SECTION LOT

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. Includes handwritten entries: SAND, GRAY Mica Rock, 77, 420.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY NO. OF BAGS NO. OF POUNDS DEPTH OF GROUT SEAL

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE Nominal diameter top (main) casing of main casing Total depth of main casing

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

SCREEN RECORD screen type or open hole insert appropriate code below

DEPTH (nearest ft.) EACH SCREEN SLOT SIZE DIAMETER OF SCREEN

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

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

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) PUMPING RATE (gal. per min. to nearest gal.) METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING TYPE OF PUMP USED (for test)

PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES or 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)

See Attached Well location

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 92-0410
 Location of property (road) CHAPEL CHASE DR
 Subdivision CHAPEL CHASE Lot 25 Block - Plat - Sec. -
 Well Driller J.L. MAYNE Owner J.B. & SONS

Depth of well 420'
 Distance of measuring point (M.P.) above ground 1/2'
 Static water level (S.W.L.) below M.P. 45'

I. High rate pumping -- reservoir drawdown

Time pump started 6:45 Pumping rate 15 gpm
 Total time 30 min to reach pumping water level 326 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:00	186'	4 sec.		15 gal.
7:15	326	4		15
7:30	324	45		1.3
7:45	323	45		1.3
8:00	322	45		1.3
8:15	321	45		1.3
8:30	321	45		1.3
8:45	321	45		1.3
9:00	320	45		1.3
9:15	319	45		1.3
9:30	319	45		1.3
9:45	320	45		1.3
10:00	319	45		1.3
10:15	319	45		1.3
10:30	319	45		1.3
10:45	320	45		1.3
11:00	319	45		1.3
11:15	319	45		1.3
11:30	319	45		1.3
11:45	319	45		1.3
12:00	319	45		1.3
12:15	319	45		1.3
12:30	319	45		1.3
12:45	319	45		1.3
HD-224 1:00	319	45		1.3
1:15	319	45		1.3

11/29/93

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 # 0
Date 11-4-93
Name of Installer MARINO P+H INC. Telephone 747-5615
License Number M-3095
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner JOHN A + KIMBERLY I, MORGAN Telephone (410)880-3038
Subdivision CHAPEL CHASE Lot # 25 Well Tag # HD-92-0410
Site Address 12724 CHAPEL CHASE DRIVE

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make JACCOZZI
3. Model # 1BS4521-S2
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 1
2. RPM
3. Voltage
a. 110
b. 220
Pitless Adapter
1. Make CAMPBELL (BRASS)
2. Model # B-10X
3. Depth 42"
Tank
1. Capacity Wx-250
2. Pressure relief valve? 70 LB
Piping
1. Type 160# PLASTIC
2. Size 1"
3. NSF and/or BOCA Code approved YES
4. Depth of supply line 400'
Well data
1. Depth 420 ft.
2. Yield 15 GPM
3. Static water level 45 ft.
4. Will water supply be disinfected by installer? NO-(OWNER)

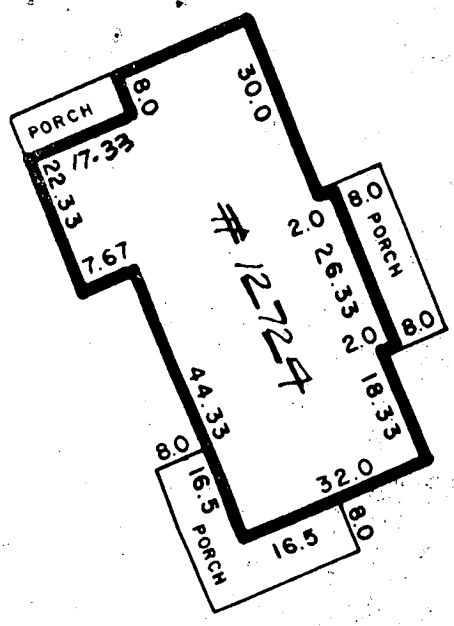
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

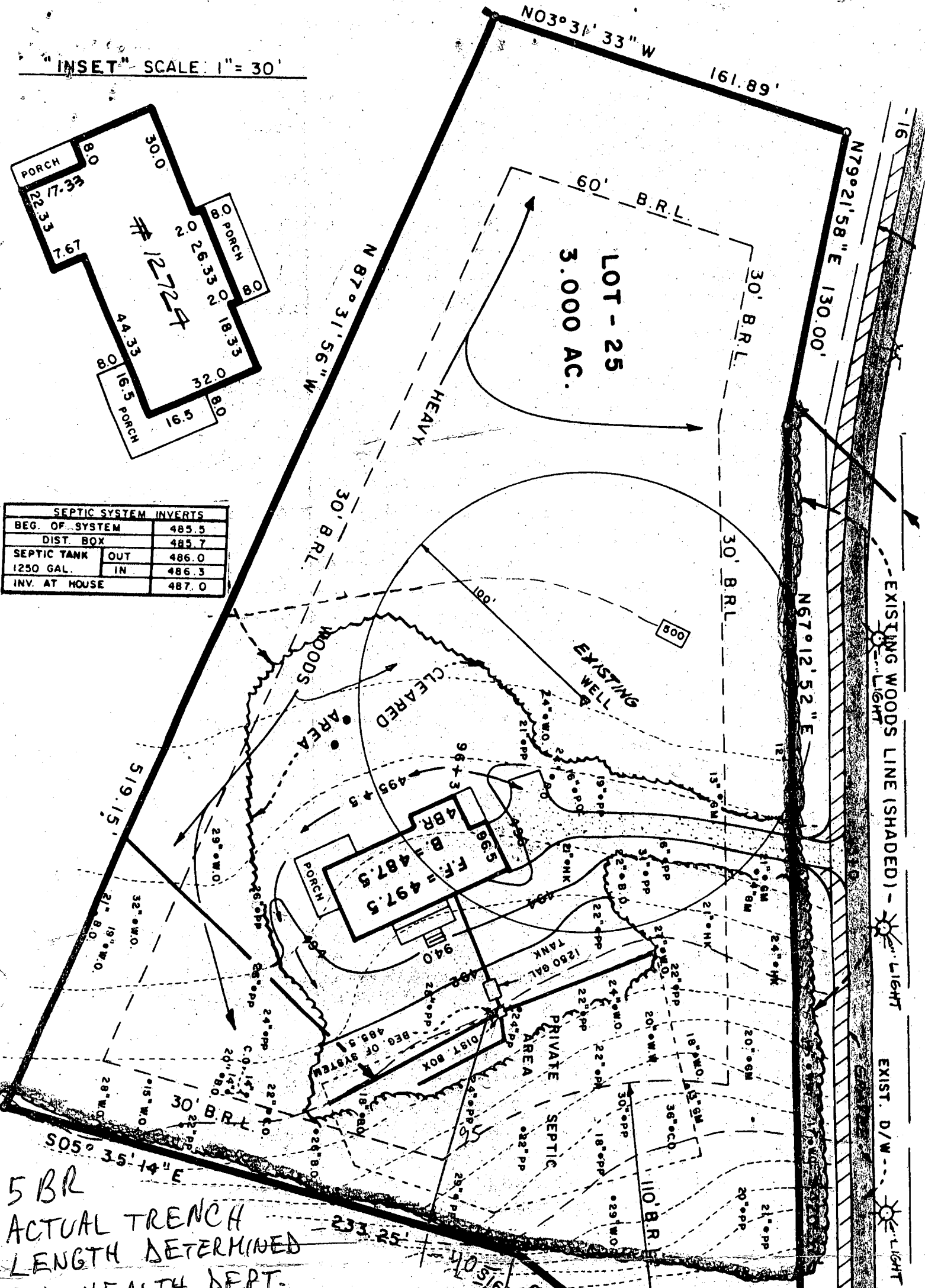
Signature of Applicant: Joseph O. Marino
Date: 11/10/93
11/29/93 OK WPT RH

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

"INSET" SCALE: 1" = 30'



SEPTIC SYSTEM INVERTS	
BEG. OF SYSTEM	485.5
DIST. BOX	485.7
SEPTIC TANK	OUT 486.0
	IN 486.3
INV. AT HOUSE	487.0

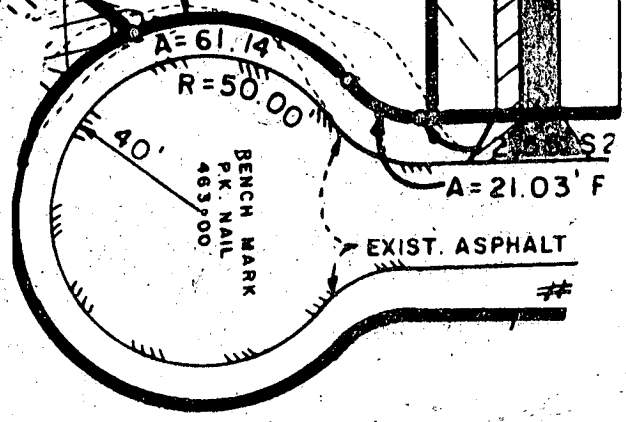
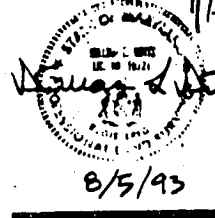


5 BR
ACTUAL TRENCH
LENGTH DETERMINED
BY HEALTH DEPT.

elevations OK MR

9/13/93

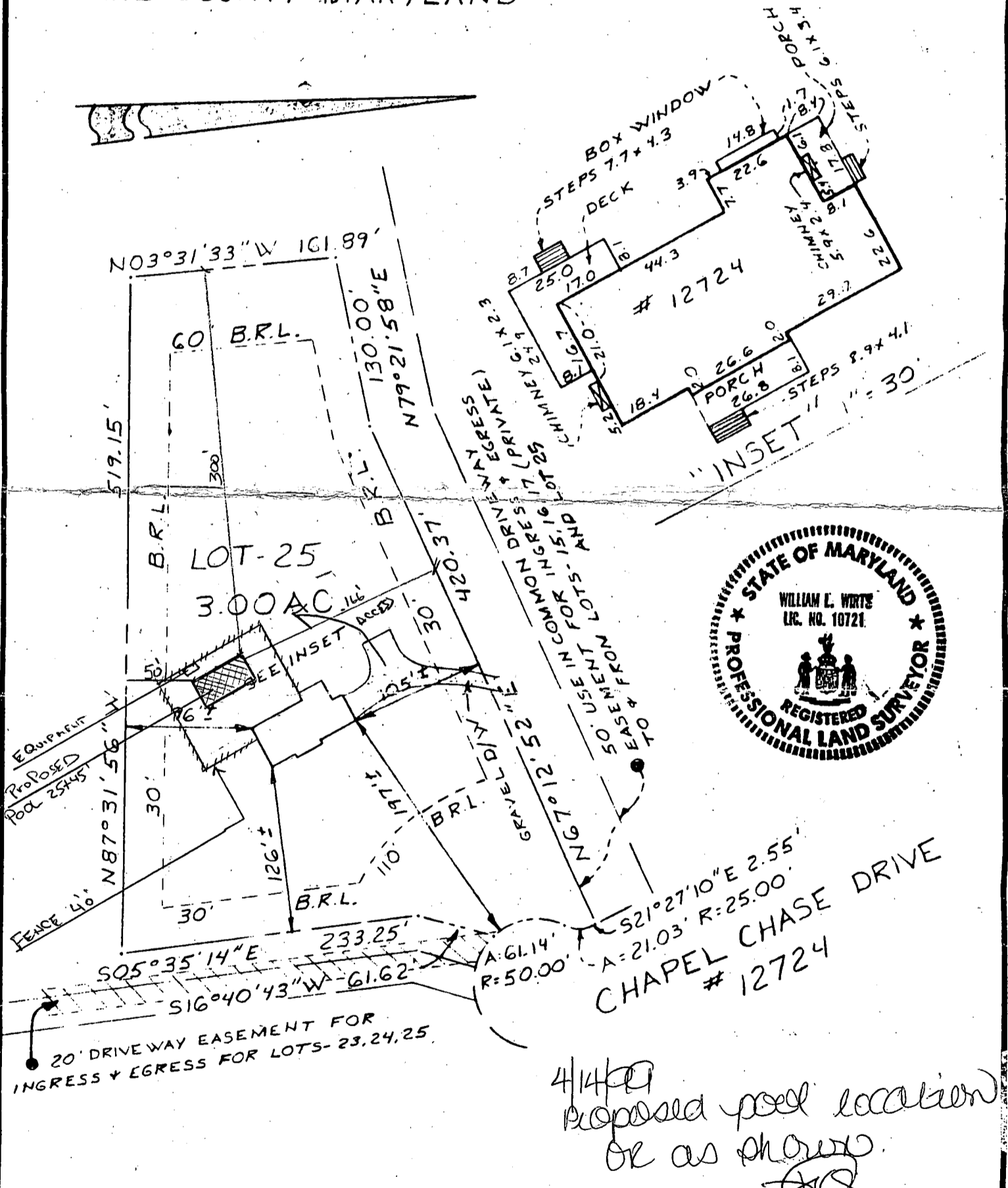
SITE PLAN
LOT-25
"CHAPEL CHASE"
8 TH. ELECTION DISTRICT
HOWARD COUNTY MARYLAND
SCALE: 1" = 50' JULY, 1993
TRI-COUNTY SURVEYS, INC.
BOX-55
DAMASCUS, MD. 20872
PHONE: 631-3655



EXISTING WOODS LINE (SHADED) - LIGHT
EXIST. D/W - LIGHT

FINAL HOUSE LOCATION
 LOT-25
 CHAPEL CHASE
 4th. ELECTION DISTRICT
 HOWARD COUNTY MARYLAND

Morgans



Tri - County Surveys, Inc. BOX 55 • DAMASCUS, MARYLAND 20872 • (301) 831-3655 LAND PLANNING CONSULTANTS • SUBDIVISIONS • LOTS & BOUNDARIES	REFERENCE Plat Book Plat No 9774	COUNTY OF HOWARD	Drawn by: J.R.S. Checked by: W.L.W. Job No.: 92-011
	SURVEYOR'S CERTIFICATION I hereby certify that the property delineated hereon is in accordance with the Plat of Subdivision and/or deed of record, that the improvements were located by accepted field practices and include permanent visible structures and encroachments, if any. This Plat is not for determining property lines, but prepared for exclusive use of present owners of property and also those who purchase, mortgage, or guarantee the title thereto, within six months from date hereof, and as to them I warrant the accuracy of this Plat. No title report furnished.		Scale: 1" = 100' DATES BK. 93 Wall Ct.: 11-1-93 BK. 97 Final Loc.: 6-21-94 Recert.:
WILLIAM L. WIRTS - Registered Land Surveyor - Maryland No. 10721		Note: This drawing does not lie within a flood hazard area.	

72801

NOTE: This drawing is not intended or represented to be a lot stake out survey; no lot corners were set; and is not to be used, or relied upon, for the establishment of any fence, building or other structure.