

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-408679

P 48625

A 31177

DISTRICT 5th

DATE 11/29/92

### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

DATE SYSTEM APPROVED 12/15/92

INSPECTOR *[Signature]*

INDEXED

Nelson Beall IS PERMITTED TO INSTALL  ALTER

ADDRESS 12821 Pricedistillery Road, Clarksburg, Md. 20871 PHONE 301-253-0863

SUBDIVISION Chapel Chase LOT 16 ROAD 12712 Chapel Chase Drive

PROPERTY OWNER Gerald & Sandra Kountz

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

220 SQUARE FEET PER BEDROOM

220  
51880  
175 ft

LINEAR FEET OF TRENCH REQUIRED 220 (2-110 feet of trench okay - woods)

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 65 feet off left property line (784.46') in length and 300 feet down from common rightof way entrances as front of lot and along left property (784.46') as shown on building permit sketch plan. (Keep trenches 100 feet plus from any water well)

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK OCT 92 RH

PLANS APPROVED BY C. B. Streaker DATE 7/29/92

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

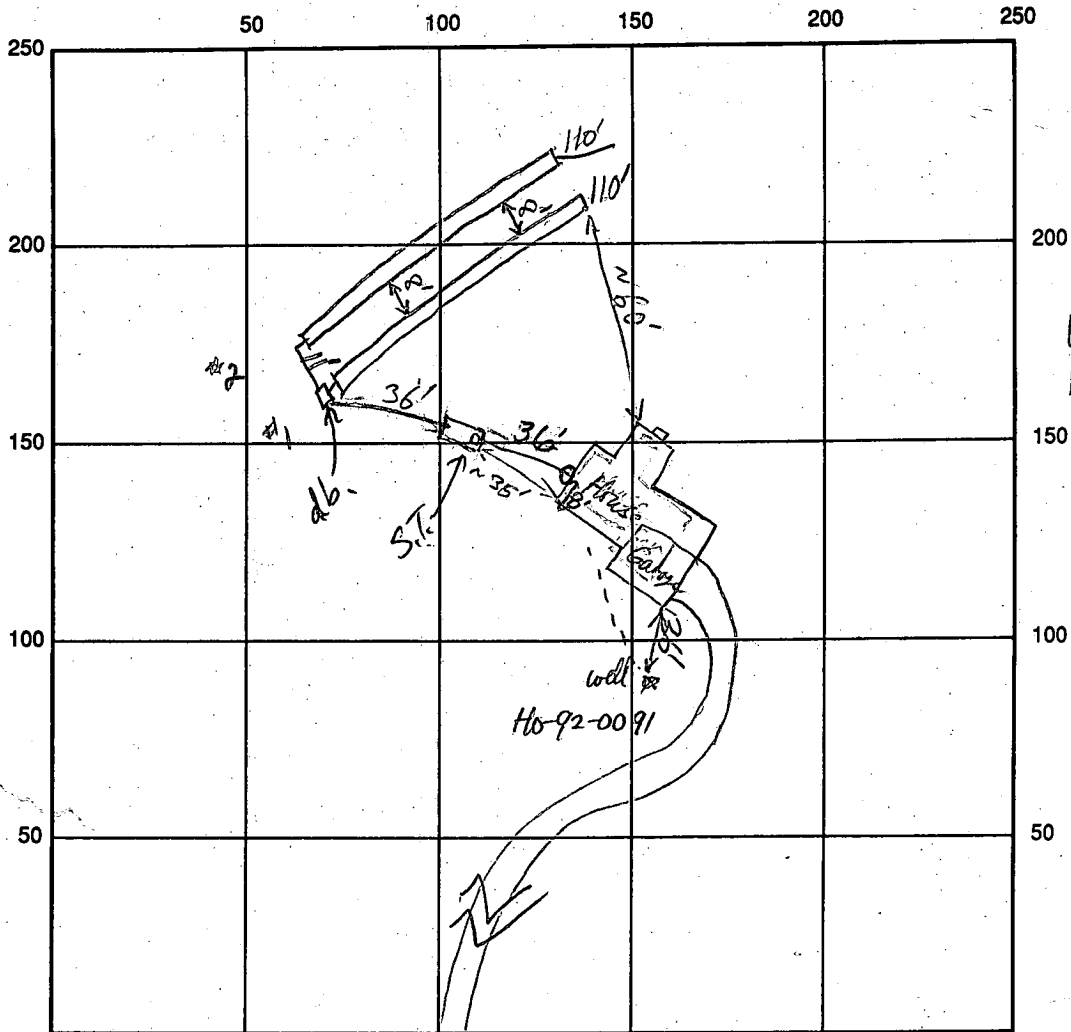
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 31177

12/11/92 ANYTIME snow  
12/11 Rain  
12/15/92 LATE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
*Chapel Chase Dr*

SEPTIC TANK LEVEL 1250 gal CLEANOUTS  Hset ST

DISTRIBUTION BOX LEVEL  (dial-a-flow)

DRAIN FIELD TILE DEPTH 8-9' FT. TRENCH WIDTH 2.0' FT. INLET DEPTH 3-4' FT.

EFFECTIVE GRAVEL DEPTH 5' FT. TOTAL LENGTH 220' FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 550 550 SQ. FT. Total = 1100

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

ABSORBENT AREA 1210 SQ. FT.

REMARKS: Open Trenches OK to fill with gravel - only trenches for piping and septic tank set - No pipes laid yet as of 12/1/92

12-14-92 Mud covered parts of open stone in trench. Contractor to replace stone w/ clean material. Reports some fill on site at trench tops. JEN

OK to cover R/P 12/15/92

DATE SYSTEM APPROVED 12/15/92

INSPECTOR Ronald Phillips

# APPLICATION

SEWAGE DISPOSAL TESTING

A 31177  
P \_\_\_\_\_

STATE OF MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P.O. 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. Corraine D. Hebb/c/o Edward Kasemeyer *Gerald + Sandra Kountz*

ADDRESS 9051 Baltimore National Pike  
Ellicott City, Maryland 21043 PHONE (301) 465-7474  
*490-3416*

PROPERTY LOCATION  
SUBDIVISION Chapel Chase LOT NO. LOT 16  
*A-10 PROPOSED #10*  
*A-12 AS OF 4/16/81*

ROAD AND DESCRIPTION Landen Church Road Off of Maryland Route 32  
(1271/2 CHAPEL CHASE DRIVE)

SIZE OF LOT 3.29 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 \_\_\_\_\_

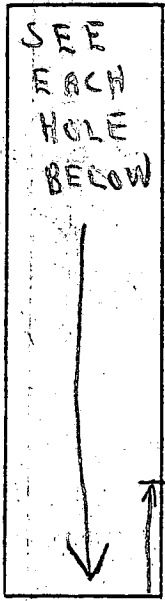
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

New # A-10

A-12

SOIL PROFILE

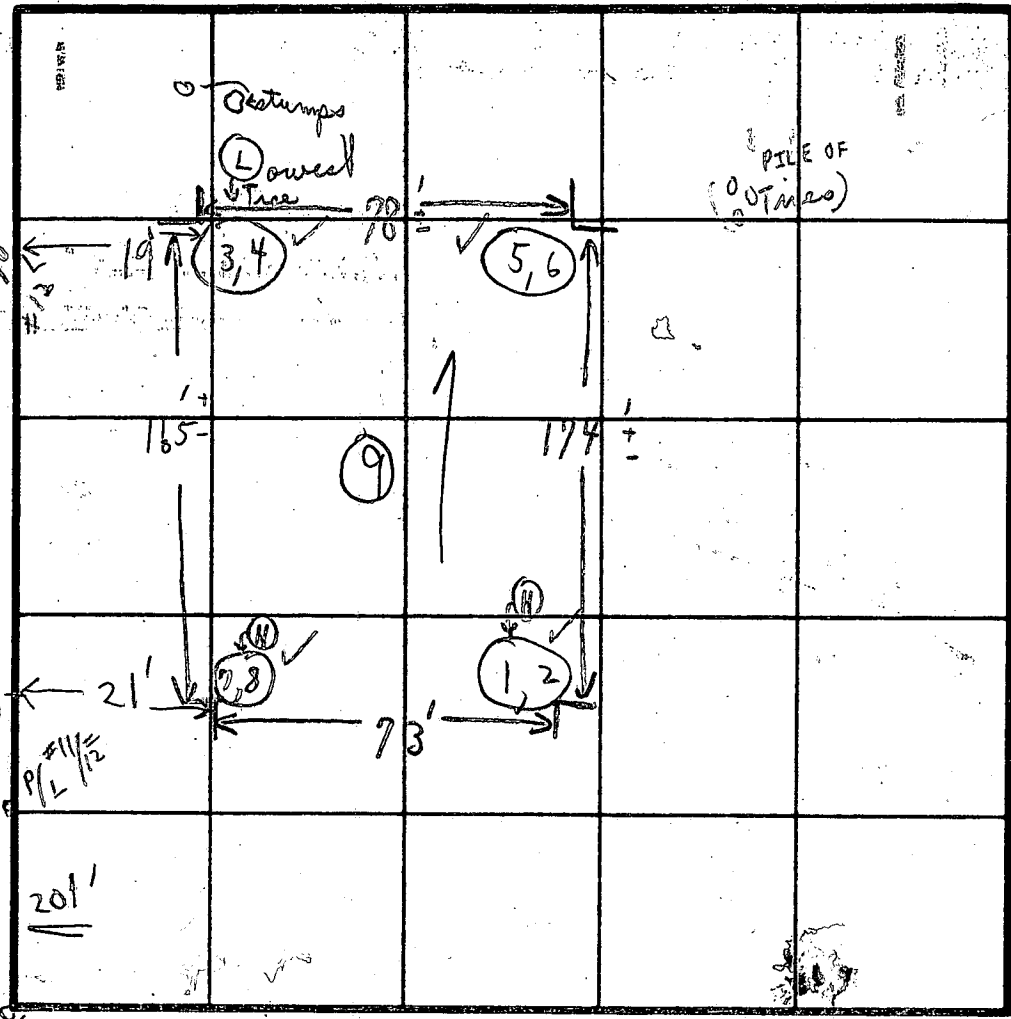


FIELD SHEET 285'

✓ Per. ok

#11

RADIUS #12



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1'-3' CLAY	3/10/81	1	3'	1:43	1:47	1:47	1:55	8m
3'-8' MICA LOAM TO 13'		(H) 2	8'	1:44	1:45	1:45	1:47	2m
1'-4' CLAY		3	4'	1:51	1:52	1:52	1:54	2m
4'-8 1/2' MICA LOAM 14'		4	8 1/2'	1:50	1:53	1:53	1:57	4m
1'-4' CLAY		5	4'	2:06	2:08	2:08	2:11	3m
4'-9' LOAM		6	9'	2:07	2:09	2:09	2:15	6m
1'-3' CLAY		7	3'	1:42	1:46	1:46	2:01	15m
3'-8' MICA 12' LOAM + S. CHEST		(H) 8	8'	1:41	1:43	1:43	1:45	2m
NOT 3/10/81	3/12/81	9	12'	VISUAL		L-3' clay - then sandy loam		8' 42" 6min
1/7 3/11/81				HOLD FOR				

Unit 3'

3/11/81  
 Day to 13'  
 3/11/81  
 Day to 14'  
 3/11/81  
 Day to 13'  
 3/11/81  
 Day to 12' hole - perched

Holes dug 3/11/81 STOPPED @ 4:00pm  
 WOODED LOT HOLD

REMARKS  
 (P) Kelly  
 T.R.P.  
 TYPE OF SOIL

PERC HOLES - EXCEPT SMALL ONES READY + STAKED

TESTED BY

C. B. [Signature]

(1) Need VISUAL HOLE IN CENTER  
 (2) CHECK ON FINAL LOT LINES  
 (3) HOLD FOR DEEP HOLES 3/11/81 TO 14' J.A.W. - DUG TEST HOLES UNDER TESTS  
 ALSO PRESENT SCHISSLER, KEN

1126 - 1136 Falls Church

B 1 00737

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-92-0091

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

please print or type

Date Received (APA)

051892

OWNER INFORMATION

JBHSONS TMC

4204 DUSTIN RD

BURTCHSWILLE MD 20866

LOCATION OF WELL

HOWARD

CHAPEL CHASE

SECTION 44 46 LOT 16 50

CLARKSVILLE

MILES FROM TOWN (enter 0 if in town) 2 1/2 MI

DRILLER INFORMATION

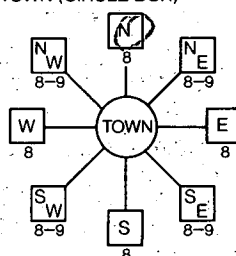
Joseph L. Mayne 238 77 License No. 80

Joseph L. Mayne WELL DRILLING

5512 Ridge Rd. Mt. Airy, Md. 21771

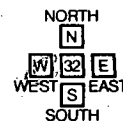
Joseph L. Mayne 5/18/92

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Chapel Chase Drive

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 510

ENTER FT or MI

FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A# 31177

COUNTY NAME COUNTY NO.

DATE ISSUED 061592 Charles E. ... 12/15/92

NORTH GRID 508000 EAST GRID 0813000

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)

APPROXIMATE DEPTH OF WELL 302 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

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

FORCE C PERMIT No. 40-92-0091

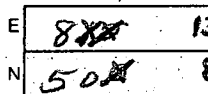
SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

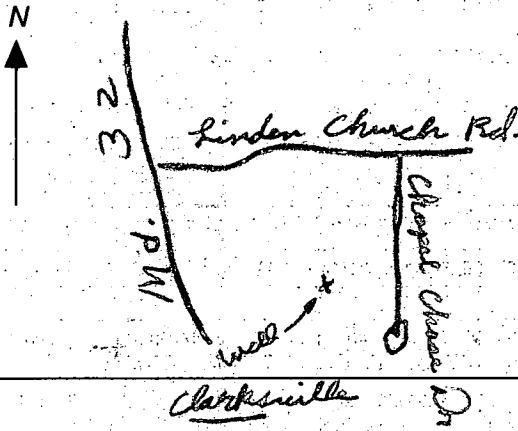
SOURCES OF DRILLING WATER

- 1. WELL (5' stud)
2. 1/2 gravel
3. 40' + 6' wood open

WRITE THE BOX NUMBER FROM THE MAP HERE



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



C1 6815 SEQUENCE NO. (DENV 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)

COUNTY NUMBER # 31177

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED 070992

Depth of Well 420

PERMIT NO. H0-92-0071

OWNER J. R. + SONS INC last name CHAPEL CHASE DRIVE first name TOWN CLARKSVILLE SUBDIVISION CHAPEL CHASE SECTION LOT 16

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 CEMENT (CM) BENTONITE CLAY (BC)

PUMPING TEST HOURS PUMPED (nearest hour) 6

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM TO), Check if water bearing. Includes handwritten entries: SAND Stone 0 55, Gray Mica 55 420, Rock.

NO. OF BAGS 15 NO. OF POUNDS 1110 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 48 ft.

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

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

TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

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

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO

SCREEN RECORD screen type or open hole insert appropriate code below

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)

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

DEPTH (nearest ft.) 58 420 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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)

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.

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

DRILLERS IDENT. NO. 728 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

See Attached Well Locations

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 92-0091  
 Location of property (road) CHAPEL CHASE DRIVE  
 Subdivision CHAPEL CHASE Lot 16 Block - Plat - Sec. -  
 Well Driller JOSEPH L. MAYNE Owner J. B. + SONS INC.

Depth of well 420'  
 Distance of measuring point (M.P.) above ground 1 1/2'  
 Static water level (S.W.L.) below M.P. 47'

I. High rate pumping -- reservoir drawdown  
 Time pump started 7:15 Pumping rate 15 G.P.M.  
 Total time 30 min to reach pumping water level 306 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 $\frac{1}{5}$ time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:30	170	4 sec.	N/A	15 G.P.M.
7:45	306	4		15
8:00	305'6"	60		1
8:15	305'6"	60		1
8:30	305'6"	60		1
8:45	305'6"	60		1
9:00	305'3"	60		1
<del>9:15</del>	<del>305</del>	<del>60</del>		<del>1</del>
9:30	303	60		1
9:45	303	60		1
10:00	303	60		1
10:15	303	60		1
10:30	303	60		1
10:45	303	60		1
11:00	303	60		1
11:15	303	60		1
11:30	303	60		1
11:45	303	60		1
12:00	303	60		1
12:15	303	60		1
12:30	303	60		1
12:45	303	60		1
1:00	303	60		1
1:15	303	60		1
HD-224 1:30	303	60		1
1:45	303	60		1

11/4/92  
Wed  
P.M.

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

11/4/92  
Final  
OK  
C.B.D.

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION  
LINE

New Installation   
Replacement

Receipt # 00  
Date 11/4/92

Name of Installer A.S. Weir, Inc.

Telephone 301-924-4210

License Number \_\_\_\_\_  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner Kountz Telephone \_\_\_\_\_  
Subdivision CHAPEL CHASE Lot # 16 Well Tag # HO-92-0091  
Site Address 12712 Chapel Chase Dr

<b>Pump</b>	<b>Motor</b>	<b>Pitless Adapter</b>
1. Type	1. Horsepower _____	1. Make _____
a. Deep well jet _____	2. RPM _____	2. Model # _____
b. Shallow well jet _____	3. Voltage _____	3. Depth _____
c. Submersible <input checked="" type="checkbox"/>	a. 110 _____	
2. Make <u>Ingersoll</u>	b. 220 <input checked="" type="checkbox"/>	
3. Model # _____		
4. Capacity <u>7</u> GPM		
5. Pump exceeds well capacity Yes <input checked="" type="checkbox"/> No _____		
6. If Yes, is low pressure cutoff switch installed? Yes <input checked="" type="checkbox"/> No _____		
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors <input checked="" type="checkbox"/> Cable guards _____ Other _____		

<b>Tank</b>	<b>Piping</b>	<b>Well data</b>
1. Capacity <u>50</u>	1. Type <u>SD11</u>	1. Depth <u>420</u> ft.
2. Pressure relief valve? <u>yes</u>	2. Size <u>1"</u>	2. Yield <u>1</u> GPM
	3. NSF and/or BOCA Code approved _____	3. Static water level <u>50</u> ft.
	4. Depth of supply line <u>3.5'</u>	4. Will water supply be disinfected by installer? <u>no</u>

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: [Signature]

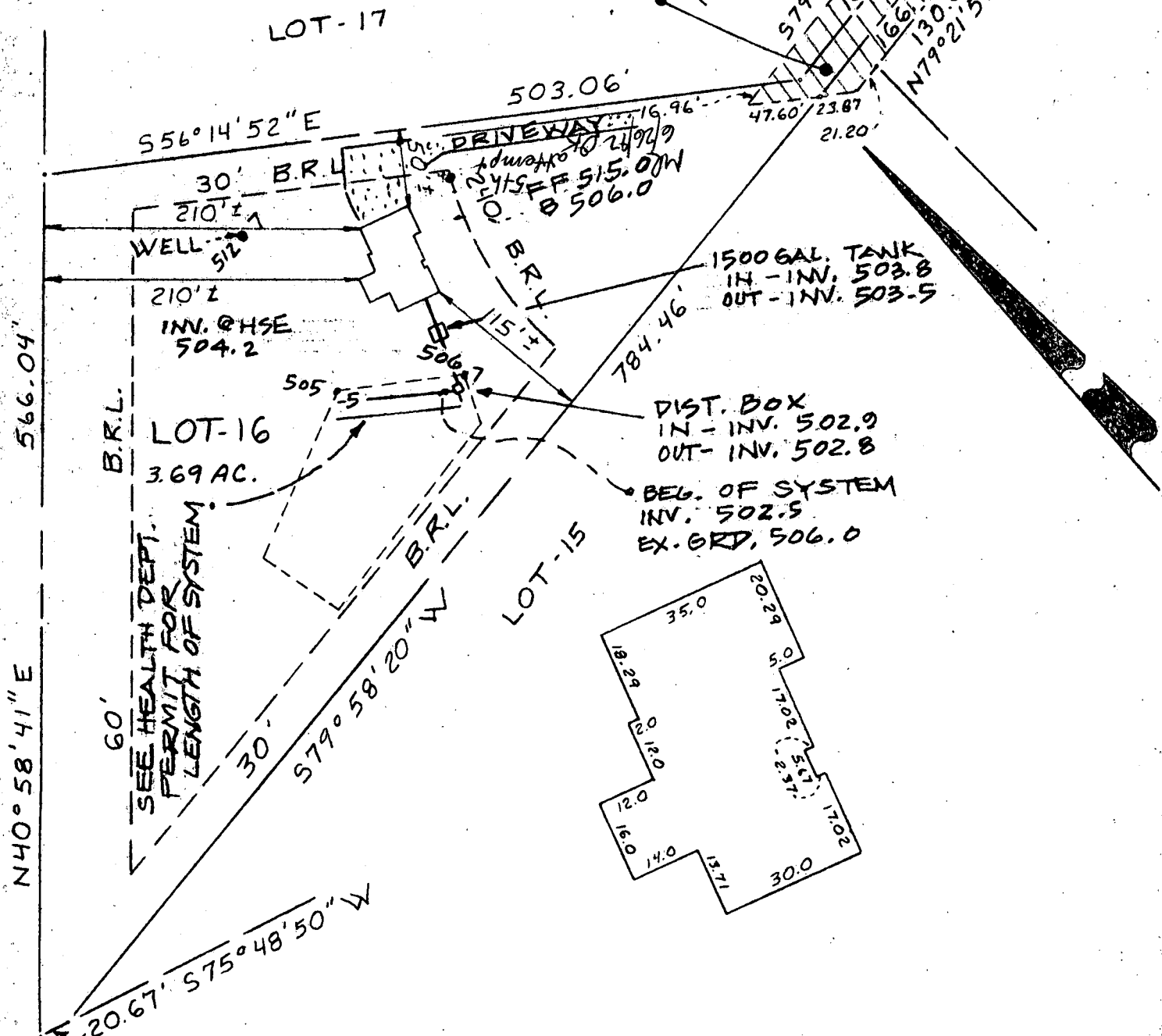
Date: 11/4/92

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

11/4/92 { ① No dents in casing }  
                  { ② Mud OK C.B.D. }

PLOT PLAN  
 LOT-16  
 CHAPEL CHASE  
 5th. ELECTION DISTRICT  
 HOWARD COUNTY MARYLAND

*Elevations OK  
 7/27/92 CWL*



NOTE: N.T.S. = Not To Scale

**Tri - County Surveys, Inc.**

BOX 55 • DAMASCUS, MARYLAND 20872 • (301) 831-3655

LAND PLANNING CONSULTANTS • SUBDIVISIONS • LOTS & BOUNDARIES

REFERENCE

Plat  
 Book  
 Plat  
 No  
 9506

COUNTY OF

HOWARD

Drawn by: J. R. S.

Checked by:

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.

Note: House does not lie within a flood hazard area

WILLIAM L. WIRTS - Registered Land Surveyor - Maryland No. 10721

Scale: 1" = 100'

DATES  
 PLAN 6-19-92

Wall Ck.:

Final Loc.:

Recert.:

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 improvements. No responsibility is extended herein to future purchasers.