

3/27/90 ADAP
5/22/90 ADAP

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

04-348842

P 45692

A 31113

DISTRICT 4th

DATE 03/16/90

DATE SYSTEM APPROVED 5/22/90

INSPECTOR M. Ripkin

INDEXED

Walter W. King Plumbing and Heating Contractors, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 5305 King's Court, Frederick, Md. 21701 PHONE _____

SUBDIVISION Ellerslie Estates ROAD 14620 Burntwoods Road LOT 10

PROPERTY OWNER Plat Palte Homes, Inc

ADDRESS 11210 New Hampshire Ave - Suite 200
Silver Spring 20904

~~XXXXX CABBAGE GRINDER IS USED TO INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 12% XXXXX~~

~~CABBAGE GRINDER XXX YES XXXXXXXXXXXXXXXXXXXX~~

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 240 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Start the first trench 250 feet from the front lot line and 65 feet from the right lot line as seen when facing the lot from Burntwoods Road. Run trenches on contour toward the right rear corner of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK(CW)

PLANS APPROVED BY Sid Abel cm DATE 04/12/89

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

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

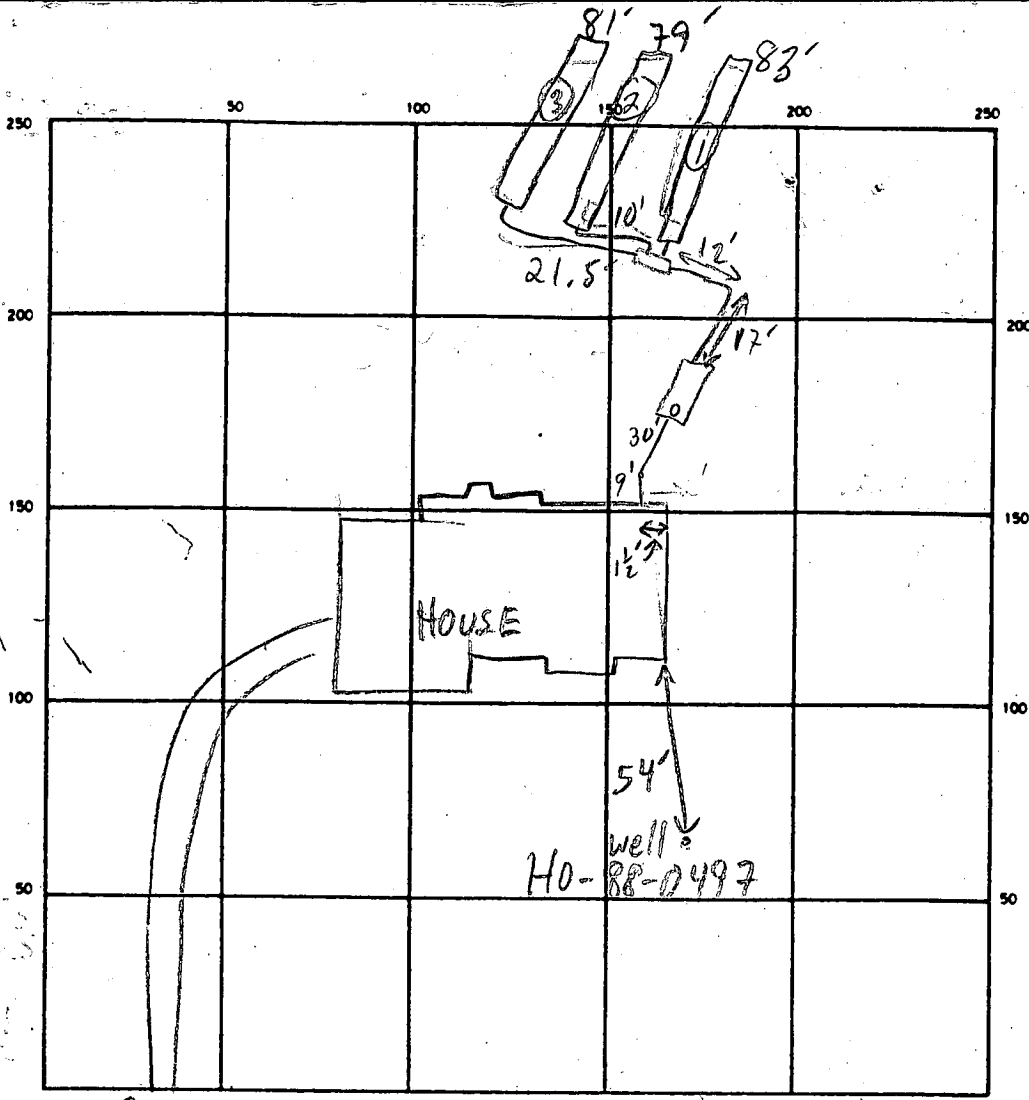
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BUDG. PERMIT SIGNED
AND RETURNED 10/19/90
Serial # 35156 - deck

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A
31113



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 BURNTWOODS RD

SEPTIC TANK: LEVEL 1500 GAL-OK CLEANOUTS OK

DISTRIBUTION BOX: LEVEL OK BAFFLE IN

DRAIN FIELD/TILE FIELD: DEPTH 8.5 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 5 FT. TOTAL LENGTH 083 079 081 FT. 240
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 0415 0395 0405 SQ. FT.

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 1215 SQ. FT.

REMARKS 3/23/90 #1 OK TO CONTINUE, ADD 20 TO @1, 10' TO EACH
OF @2 & @3 MR 3/23/90 #2 OK TO CONTINUE, COVER @2 & @3 MR
3/27/90 OK TO COVER ALL EXC HOUSE CONN - NO
HOUSE CONN MR
5/22/90 OK TO COVER ALL - HOUSE CONN OK MR

DATE SYSTEM APPROVED 5/22/90 INSPECTOR M. R. F. King

APPLICATION

Permit

A 31113

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT FOURTH

DATE JANUARY 19, 1981

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 MR. WILLIAM MITCHELL - Puller Home Corp. - Beltsville
11120 New Hampshire Ave.
ADDRESS 13071 TRIADELPHIA ROAD, ELLICOTT CITY, MD. 21043 PHONE 988-9207 681-5800
Silver Spring, Md.

PROPERTY LOCATION _____
SUBDIVISION ROSEBAR - Ellerslie Est. LOT NO. 14 # 10 5/15/81

ROAD AND DESCRIPTION NORTHWESTERLY CORNER AT THE INTERSECTION OF BURNTWOODS ROAD AND HOBBS ROAD
Glenely, Md. 21737

SIZE OF LOT 3 Ac. +- TYPE BLDG. SINGLE FAMILY

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 Charles J. Conrad

APPROVED BY Sid Akil FOR Deep trenches DATE 4-12-89

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

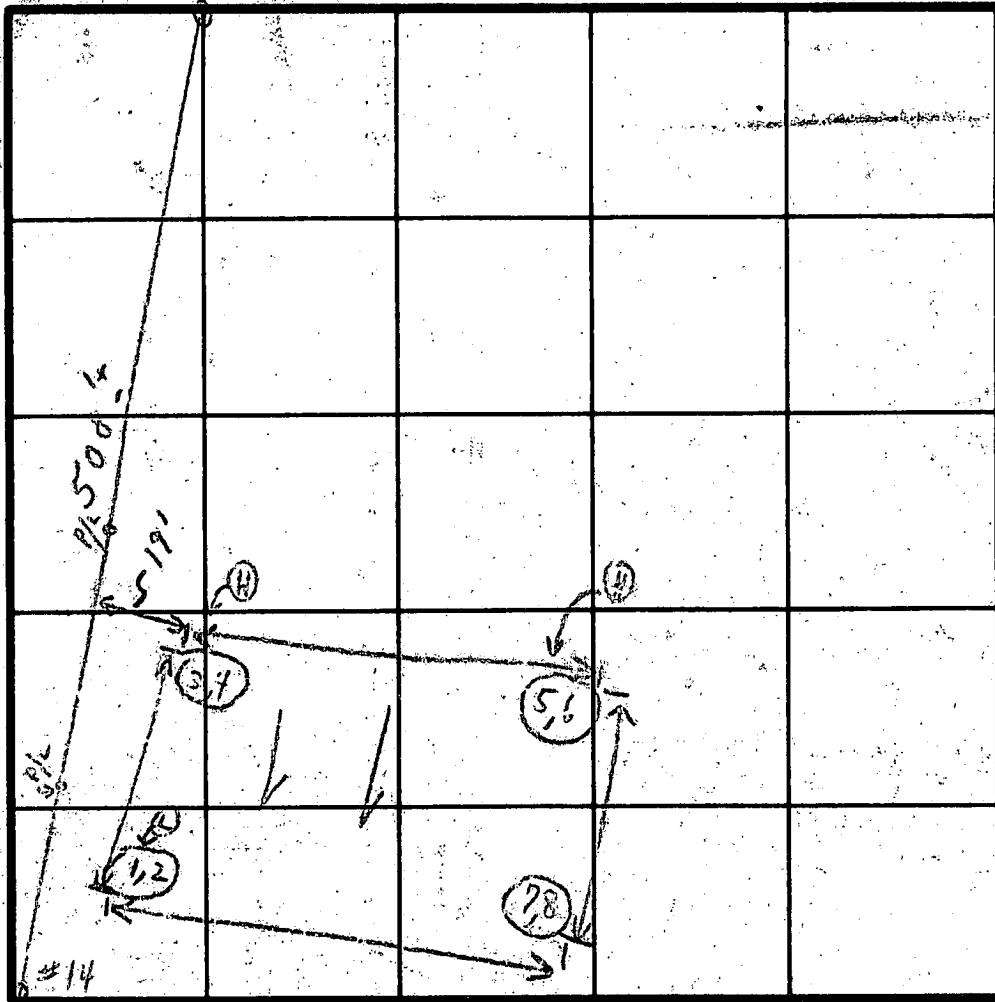
THIS IS NOT A PERMIT

#14

SOIL PROFILE

SEE EACH HOLE BELOW

FIELD SHEET



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

UNNAMED CUL DE SAC

SOIL PROFILE	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
2' 4" CLAY	1/22/61	1	4'	11:13	11:18	11:18	11:30	12 min
1' LOAM to 12'		2	9'	11:14	11:18	11:18	11:25	7 min
2' 4" CLAY		3 A	4'	11:16	11:45	11:45	11:46	11:46
4' LOAM 12'-8		(H) 4	9'	11:16	11:22	11:22	11:31	9 min
3' CLAY		5	3'	11:20	11:23	11:23	11:35	12 min
3' LOAM to 12'		(H) 6	8'	11:20	11:23	11:23	11:28	5 min
1' - 3 1/2" CLAY		7 A	3 1/2'	11:27	11:38	11:38	12:05	27 min
3 1/2" LOAM to 12'		8	8 1/2'	11:29	11:33	11:33	11:39	4 min
		3 B	5'	11:50	11:55	11:55	12:05	20 min

HOLES DUG AT TIME OF ARRIVAL
TESTS IN OPEN FIELD

REMARKS

TYPE OF SOIL

TESTED BY

C. B.

ALSO PRESENT

J. F. YUCK

SKIPP
CROSS SECTION

APPLICATION

Prel.

A 31113
P _____

SEWAGE DISPOSAL TESTING

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 FOURTH

DATE JANUARY 19, 1981

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 MR. WILLIAM MITCHELL

ADDRESS 13071 TRIADELPHIA ROAD, ELLICOTT CITY, MD: 21043 PHONE 988-9207

PROPERTY LOCATION:

SUBDIVISION ROSEBAR LOT NO. 14

ROAD AND DESCRIPTION NORTHWESTERLY CORNER AT THE INTERSECTION OF BURNTWOODS ROAD AND HOBBS ROAD.

SIZE OF LOT 3 Ac. +- TYPE BLDG. SINGLE FAMILY

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I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER

ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT Charles J. Crow Sr.

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

#10 5/15/81

#14

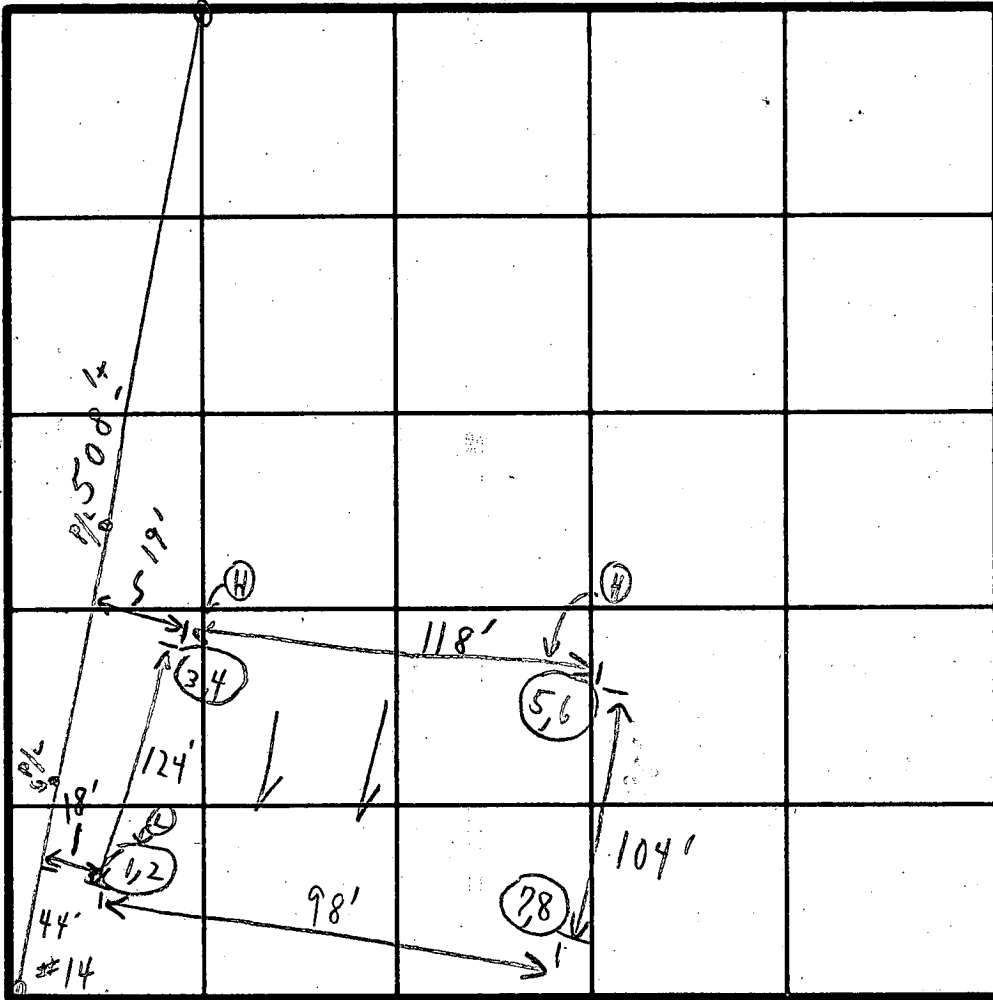
SOIL PROFILE

SEE EACH HOLE BELOW



FIELD SHEET

#13



BURNT WOODS ROAD

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

UNNAMED CUL DE SAC

SOIL PROFILE	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1' - 4' CLAY	1/29/81	1	4'	11:13	11:18	11:18	11:30	12 min
4' - LOAM to 12'		2	9'	11:14	11:18	11:18	11:25	7 min
1' - 4' CLAY		(3) A	4'	11:16	11:45	11:45	11: Reg pulled	11:46
4' - LOAM to 12'-8"		(H) 4	9'	11:16	11:22	11:22	11:31	9 min
1' - 3' CLAY		5	3'	11:20	11:23	11:23	11:35	12 min
3' LOAM to 12'		(H) 6	8'	11:20	11:23	11:23	11:28	5 min
1' - 3 1/2' CLAY		7 A	3 1/2'	11:27	11:38	11:38	12:05	27 min
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		- 3 B	5'	11:50	11:55	11:55	12:15	20 min

Inlet 3' = 15 min average

HOLES DUG AT TIME OF ARRIVAL
TESTS IN OPEN FIELD

REMARKS

TYPE OF SOIL

TESTED BY

C. B. [Signature]

ALSO PRESENT

J. F. YOCK

{ SKIP CROW'S ACCT

B 1 1161

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 70-88-0497 fill in this form completely 79

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

Date Received (APA) 030289 OWNER INFORMATION KOREM DEVELOPMENT 1 CENTRE PARK DR COLUMBIA MD 21045

LOCATION OF WELL R 43716 HOWARD COUNTY ELLERSLIE SUBDIVISION 10 SECTION 10 GLENWOOD MILES FROM TOWN 1 MI

DRILLER INFORMATION George F. Easterday L. Franklin Easterday, Inc. 9265 Brown Church Rd., Mt. Airy, Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) SE ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) S DISTANCE FROM ROAD 1500 FT

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME A 3113 COUNTY NO. STATE SIGNATURE DATE ISSUED 031589 CO SIGNATURE EXP. DATE 09-14-89 NORTH GRID 527000 EAST GRID 0793000

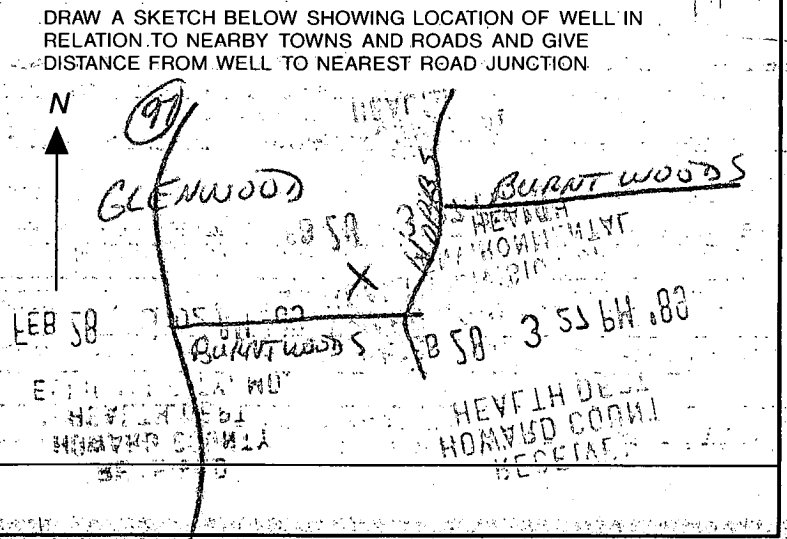
USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH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

APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

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 7983 5247

METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-ROINT

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP FORCE SA PERMIT No. 70-88-0497

SPECIAL CONDITIONS

C1- 2334

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 A 3113

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-0497

OWNER, STREET OR RFD, SUBDIVISION, SECTION, LOT

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries like 'Top Soil', 'Grey Mica', etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD: casing types insert appropriate code below. Includes codes for STEEL, CONCRETE, PLASTIC, OTHER.

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. Includes codes for STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER.

DEPTH (nearest ft.) table with handwritten values: 61, 300. Includes SLOT SIZE, DIAMETER OF SCREEN.

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED, 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 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, PUMP HORSE POWER, PUMP COLUMN LENGTH, 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).

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 10.17.13 "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.

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

COUNTY

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 # 49106
Date 3/16/90

Name of Installer W.W.King Plbg. & Htg. Contr., Inc.

Telephone 301-662-6990

License Number 2217

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner Pulte Homes Telephone 301-683-5800

Subdivision Ellerslie Est/Glen Manor Lot # 10 Well Tag # HO -88 -0497

Site Address 14520 Burntwoods Rd.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Goulds
- Model # 5ES07422
- Capacity 5 GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Motor

- Horsepower 3/4
- RPM 3500
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Martinson
- Model # _____
- Depth 42:" min
60" mas

Tank

- Capacity _____
- Pressure relief valve? yes

Piping

- Type plastic #160
- Size 1"
- NSF and/or BOCA Code approved
- Depth of supply line 42" min
60" max

Well data

- Depth 300 ft.
- Yield 6 GPM
- Static water level _____ ft.
- Will water supply be disinfected by installer? yes

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).

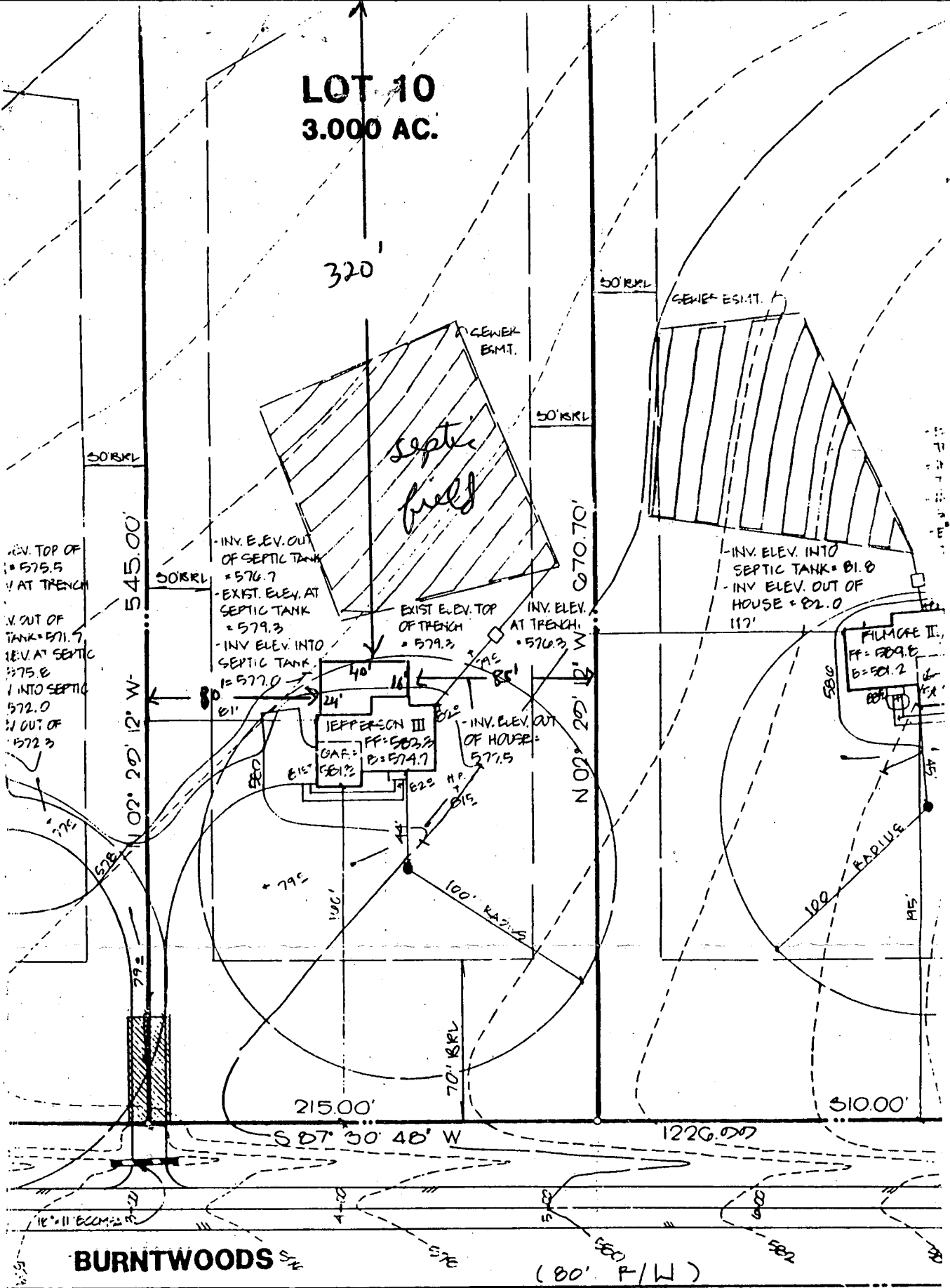
All information given above is true to the best of my knowledge.

Signature of Applicant: Walter W. King

Date: 3-13-90

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

**LOT 10
3.000 AC.**



- INV. TOP OF TANK = 575.5
 - AT TRENCH
 - V. OUT OF TANK = 571.5
 - INTO SEPTIC = 575.8
 - INTO SEPTIC = 572.0
 - OUT OF = 572.3

- INV. ELEV. OUT OF SEPTIC TANK = 576.7
 - EXIST. ELEV. AT SEPTIC TANK = 579.3
 - INV. ELEV. INTO SEPTIC TANK = 577.0

- EXIST. ELEV. TOP OF TRENCH = 579.3
 - INV. ELEV. AT TRENCH = 576.3
 - INV. ELEV. OUT OF HOUSE = 577.5

- INV. ELEV. INTO SEPTIC TANK = 81.8
 - INV. ELEV. OUT OF HOUSE = 82.0
 117'

FILMORE II
 FF = 589.8
 B = 581.2

BURNTWOODS

Richard Christover
 Revised Plat #8487

60 scale 10/19/90

OK TO SIGN
 R 9

14620 Burntwood Rd.
 Glenwood, MD 21738

Lot # 10