

# PERMIT

03-283348

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50/25

A 41415

DISTRICT 3rd

DATE 7/1/94

DATE SYSTEM APPROVED 7/12/94

INSPECTOR DKS

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

J. A. Smith & Company, Inc. P & H

IS PERMITTED TO INSTALL  ALTER

ADDRESS 5918 Hunt Club Road, Elkridge, Maryland 21227

PHONE 796-7532

SUBDIVISION Kings Gift

LOT 10

ROAD 2815 KINGS GIFT DRIVE  
~~11776 Frederick Road~~

PROPERTY OWNER

Feaga Contracting & Building Company Hochuli

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

240      320  
960      31960

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet <sup>3</sup>4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 50 feet from the rear (690') lot line and 170 feet from right (312') lot line as seen when facing the property from Road "C". Run trenches along contour toward right side of property.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 3/29/94 DKS

PLANS APPROVED BY C. Williams

DATE 2/13/89

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, 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

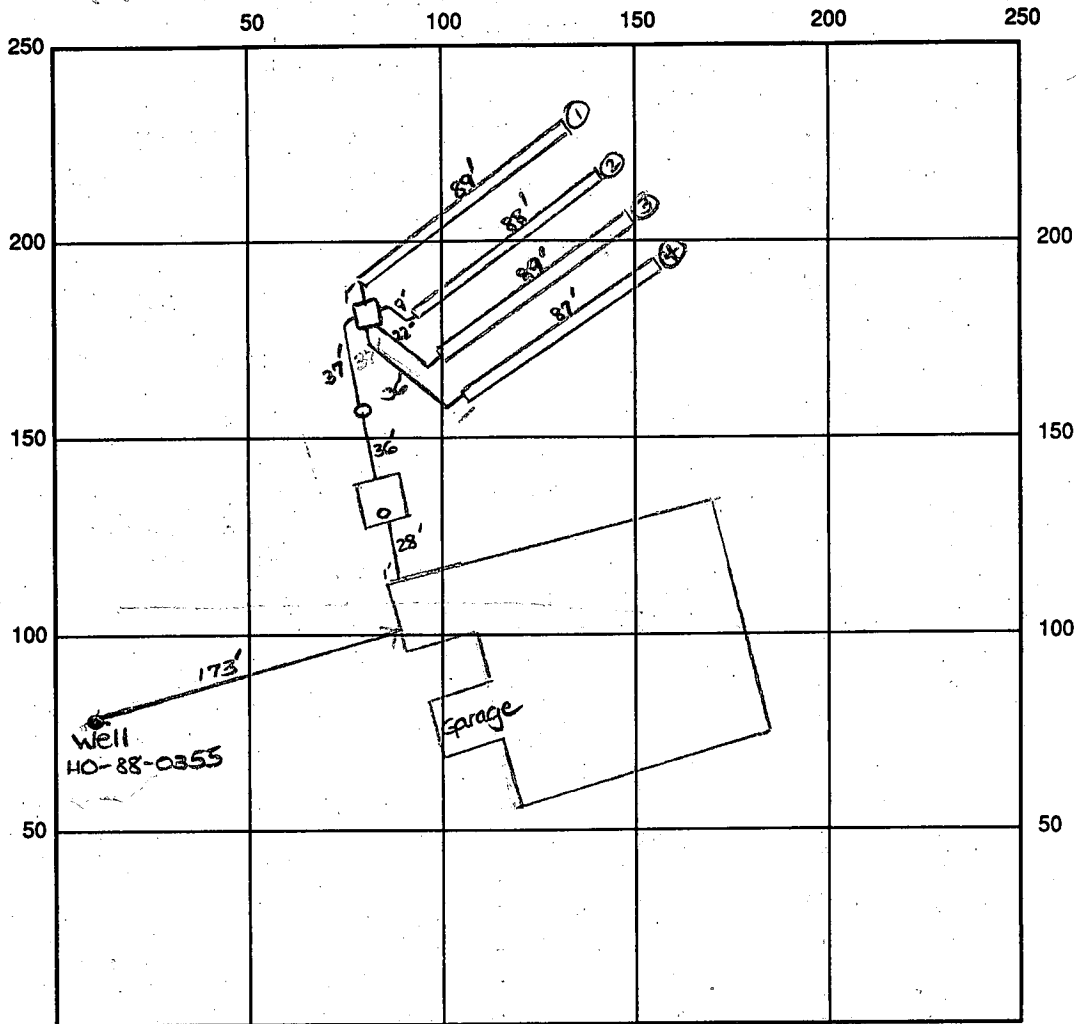
PERMIT VOID AFTER TWO YEARS

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 41415



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 Frederick Rd. ← Road 'c'

SEPTIC TANK LEVEL OK - 1500 gal CLEANOUTS one on s.t., one in line

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH <sup>①②③④</sup> 6.5/7/6/6 FT. TRENCH WIDTH 3 FT. INLET DEPTH <sup>①②③④</sup> 3/3.5/3/3 FT.

EFFECTIVE GRAVEL DEPTH <sup>①②③④</sup> 3.5/3.5/3/3 FT. TOTAL LENGTH <sup>①②③④</sup> 88/87 FT. → 353' total

NUMBER OF TRENCHES 4 ~~ON~~ WALL/BOTTOM AREA 1059 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 1059 SQ. FT.

REMARKS: 7/12/94 OK to cover all work. DKS

DATE SYSTEM APPROVED 7/12/94 INSPECTOR Lawrence See

# APPLICATION

PERCOLATION TESTING

A 41415

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9333

DISTRICT 3

DATE 4/6/88  
~~10 March, 1988~~

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 Jean R. Dickey, Individually; Jean R. Dickey, Trustee Jean R. Dickey Inter-Vivos Trust

ADDRESS 13850 Forsythe Rd., Sykesville, Md 21784 PHONE (301) 442-2226

PROSPECTIVE BUYER \_\_\_\_\_

Feaga CONTRACTING & Bldg. Co.

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION King's Gift LOT NO. 10

ROAD AND DESCRIPTION North on Route 144, East of Thompson Drive  
11776 Frederick Rd

TAX MAP 16 PARCEL # 327

SIZE OF LOT 5.002 Ac ± TYPE BLDG. Single Family Dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED

AND RETURNED 12/9/93

Serial # 57634-SFD - 4 Ben

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.

Robert F. Lane / Agent  
(SIGNATURE OF APPLICANT)

APPROVED BY Raymond Hodges FOR Trencher DATE 2/2/89

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 6/22/88 - Dig More Slow Shallow

Hold 3 6/23/88 - Perc OK Shallow dug deeper Hold for Plat #

2/2/89 SPECS WRITTEN

BLDG. PERMIT SIGNED BP-2301  
AND RETURNED 6/14/89 OK

## THIS IS NOT A PERMIT

# KINGS GIFT LOT 10

SOIL PROFILE

BROWN  
CLAY

4

BROWN  
GRAY  
SAND  
LOAM

11.5

(2)

RED  
BROWN  
CLAY

5

BROWN  
SAND  
LOAM

12

(3)

BROWN RED  
CLAY

6

BROWN  
SAND  
LOAM

12

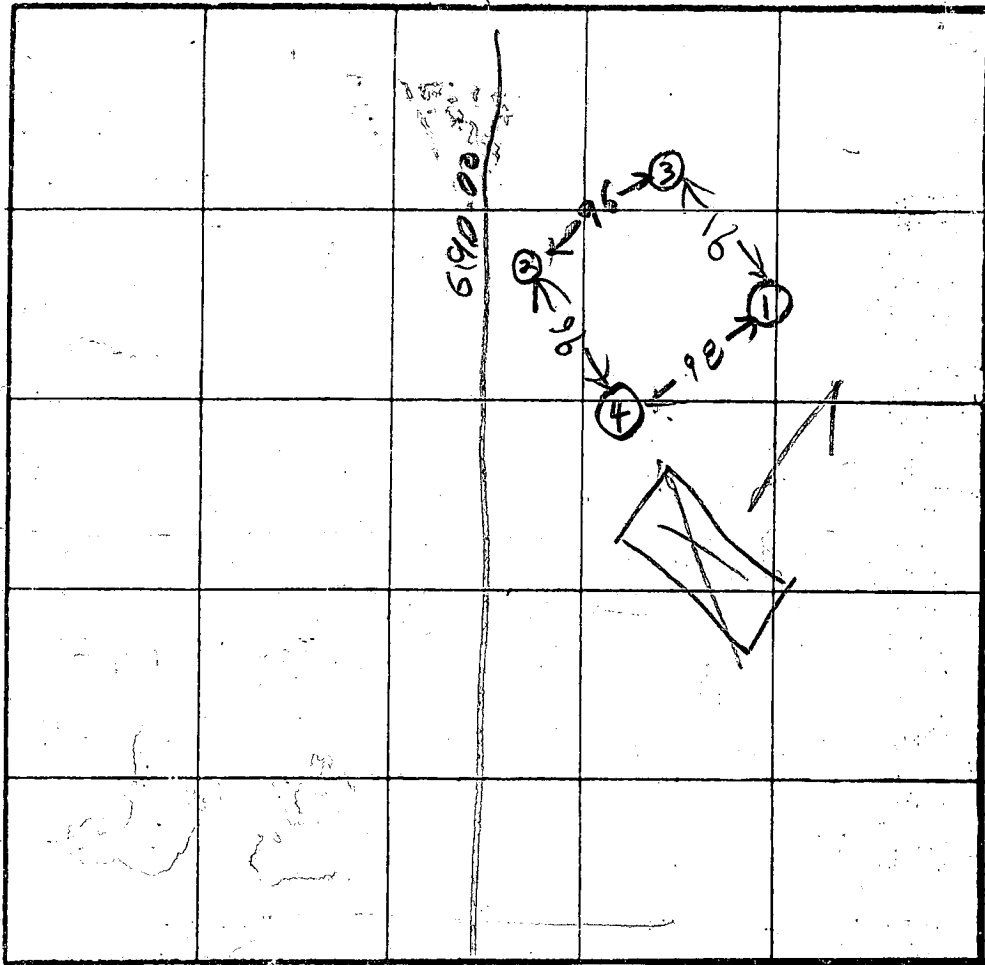
(4)

BROWN  
CLAY

3

BROWN  
GRAY  
SAND  
LOAM

12



X Perc  
11 min  
210 x 100  
Inlet 4'  
Bottom 6'

INDICATE NORTH - NAME ADJOINING ROADWAY AS  
BASE LINE..

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/22/88	1S	5	233	253	253	317	24
	1V	11.5	OK				
	2D	9.5	241	243	243	247	4
	2S	6	247	255	255	305	10
	2V	12	OK				
6/23/88	3S	5	256	310	318	400	20
	3V	12	OK				
	4V	12	OIL				
6/23/88	3ES	7	1142	1145	1145	1148	3

REMARKS

TYPE OF SOIL

TESTED BY

B. HODGES

ALSO PRESENT

BACK TO  
OKETT ERMAN  
OKETT ERMAN  
BLANE WRIGHT

55  
10  
37

B 1 **5603** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

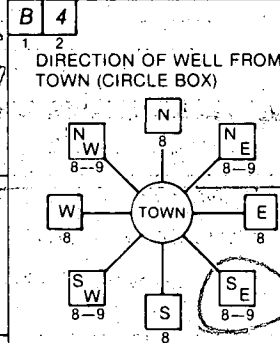
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**H0-88-0355**  
 fill in this form completely

Date Received (APA) **120788**  
 OWNER INFORMATION  
**FEAGA BARRY P**  
 Last Name Owner First Name  
**2932 ROGERS AVE**  
 Street or RFD  
**ELLICOTT CITY, MD 21043**  
 Town State Zip

B 3 LOCATION OF WELL  
**HOWARD** COUNTY  
**KINGS GIFT** SUBDIVISION  
 SECTION **10** LOT **10**  
**WEST FRIENDSHIP** NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) **7 MI**

DRILLER INFORMATION  
**Ronald L. Kyker** License No. **296**  
**Westminster Rotary Well Drilling, Inc.**  
 Firm Name  
**P.O. Box #361., Westminster, Md. 21157**  
 Address  
**Ronald L. Kyker** 11/28/88  
 Signature Date



**FREDERICK** NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 DISTANCE FROM ROAD: **3000** FT or MI **77**

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **550**

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  
**941415** COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
 DATE ISSUED **12/19/88** CO SIGNATURE **Charles R. ...** EXP. DATE **12/19/89**  
 NORTH GRID **533000** EAST GRID **0823000**

APPROXIMATE DEPTH OF WELL **300** FEET

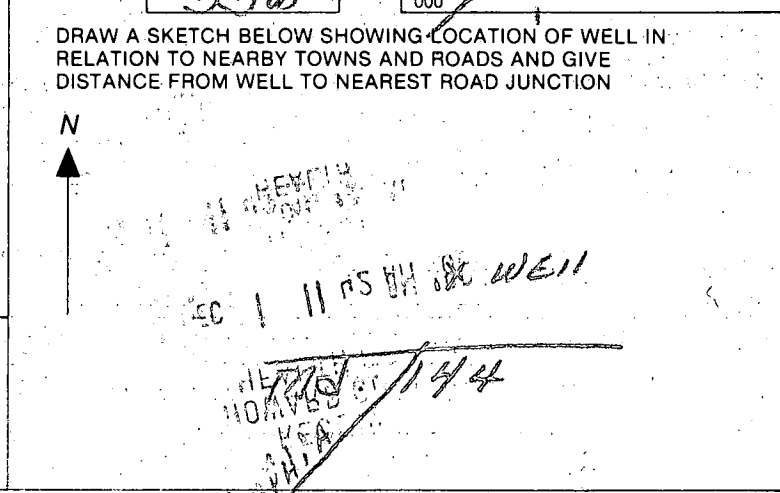
APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

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  
 SOURCES OF DRILLING WATER  
 1. **CITY**  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 E **8203**  
 N **5303**

1/20/89 10 AM started location ok  
 72ft open hole  
 73ft casing  
 1 ft above ground  
 bags cement  
 Venodeau

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)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE  WRITE INITIALS IN BOX PERMIT No. **H0-88-0355**

SPECIAL CONDITIONS  
**H0-461-5163 Cap-370-7501**  
 COUNTY

C1 6684 SEQUENCE NO. (DENV USE ONLY)  
1 2 3 4 5 6  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 R# 41415

DATE Received [ ] [ ] [ ] [ ] [ ] [ ] DATE WELL COMPLETED 012089 Depth of Well 22 328 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" A0-88-0355

OWNER FERGUSON D.P. last name R/W OFF RT. 144 first name TOWN SUBDIVISION KING'S GIFT SECTION - LOT 10

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		Check if water bearing
	FROM	TO	
Dirt	0	5	
Clay & Brown Mica	5	22	
Brown Mica	22	60	
Brown Mica	60	61	X
Soft Brown Mica	61	68	
Blue Sandstone	68	81	
Brown	81	82	X
Blue Schist	82	265	
Fracture	265	266	X
Blue Schist	266	328	

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  Y NO  N  
TYPE OF GROUTING MATERIAL CEMENT  CM BENTONITE CLAY  BC  
CEMENT NO. OF BAGS 15 NO. OF POUNDS 1788  
GALLONS OF WATER 114  
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 72 ft.

CASING RECORD  
casing types insert appropriate code below  
STEEL  ST CONCRETE  CO  
PLASTIC  PL OTHER  OT  
MAIN CASING TYPE  S  T  
Nominal diameter top (main) casing (nearest inch) 6  
Total depth of main casing (nearest foot) 73

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

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

DEPTH (nearest ft.)  
EACH SCREEN 1 2 3  
1 7 3 3 2 8  
2  
3  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN [ ] [ ] [ ] [ ] (NEAREST INCH)  
from to

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. 296  
Ronald L. Kyker

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
Ronald L. Kyker

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.) WQ  
70 [ ] 72 [ ] 74 [ ] 75 [ ] 76 [ ]  
TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3  
PUMPING TEST  
HOURS PUMPED (nearest hour) 3  
PUMPING RATE (gal. per min. to nearest gal.) 15  
METHOD USED TO MEASURE PUMPING RATE Submersible  
WATER LEVEL (distance from land surface) BEFORE PUMPING 39 WHEN PUMPING 67  
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 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 (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)  
x DRY  
x GOGS  
Md. 144  
1-DRY-300ft.

COUNTY

Barry P. Feaga  
2932 Rogers Avenue  
Ellicott City, Maryland 21043

King's Gift  
Lot 10  
Frederick Road

Howard County #41415  
State #HO-88-0355

LOG OF DRY HOLE - 300 FEET

Dirt	0	10
Soft Brown		
Mica	10	35
Soft Brown		
Mica	35	36 <u>X</u>
Soft Brown		
Mica	36	47
Blue Mica		
Schist	47	300

5 Bags Cement to  
Backfill

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 J. A. Smith + Co. Telephone 296-2532  
License Number 5581  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber   
Name of Property Owner Feaga Contr. + Bldg. Telephone 313-8203  
Subdivision Kings Gift Lot # 10 Well Tag # HD-803-55  
Site Address 1177b Frederick Road

Pump Motor Pitless Adapter  
1. Type 1. Horsepower 3/4 1. Make Martinson  
a. Deep well jet \_\_\_\_\_ 2. RPM \_\_\_\_\_ 2. Model # BP10X  
b. Shallow well jet \_\_\_\_\_ 3. Voltage \_\_\_\_\_ 3. Depth 42"  
c. Submersible \_\_\_\_\_ a. 110 \_\_\_\_\_  
2. Make Goulds b. 220   
3. Model # 2G507412  
4. Capacity 7 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 \_\_\_\_\_

Tank Piping Well data  
1. Capacity 20 gal 1. Type crossline 1. Depth 328 ft.  
2. Pressure relief valve? yes 75 PSI 2. Size 1/2" 2. Yield 15 GPM  
7/12/94 3. NSF and/or BOCA Code approved  3. Static water level 39 ft.  
4'2" below grade 4. Will water supply be disinfected by installer? NO  
OK to cover DKS

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.

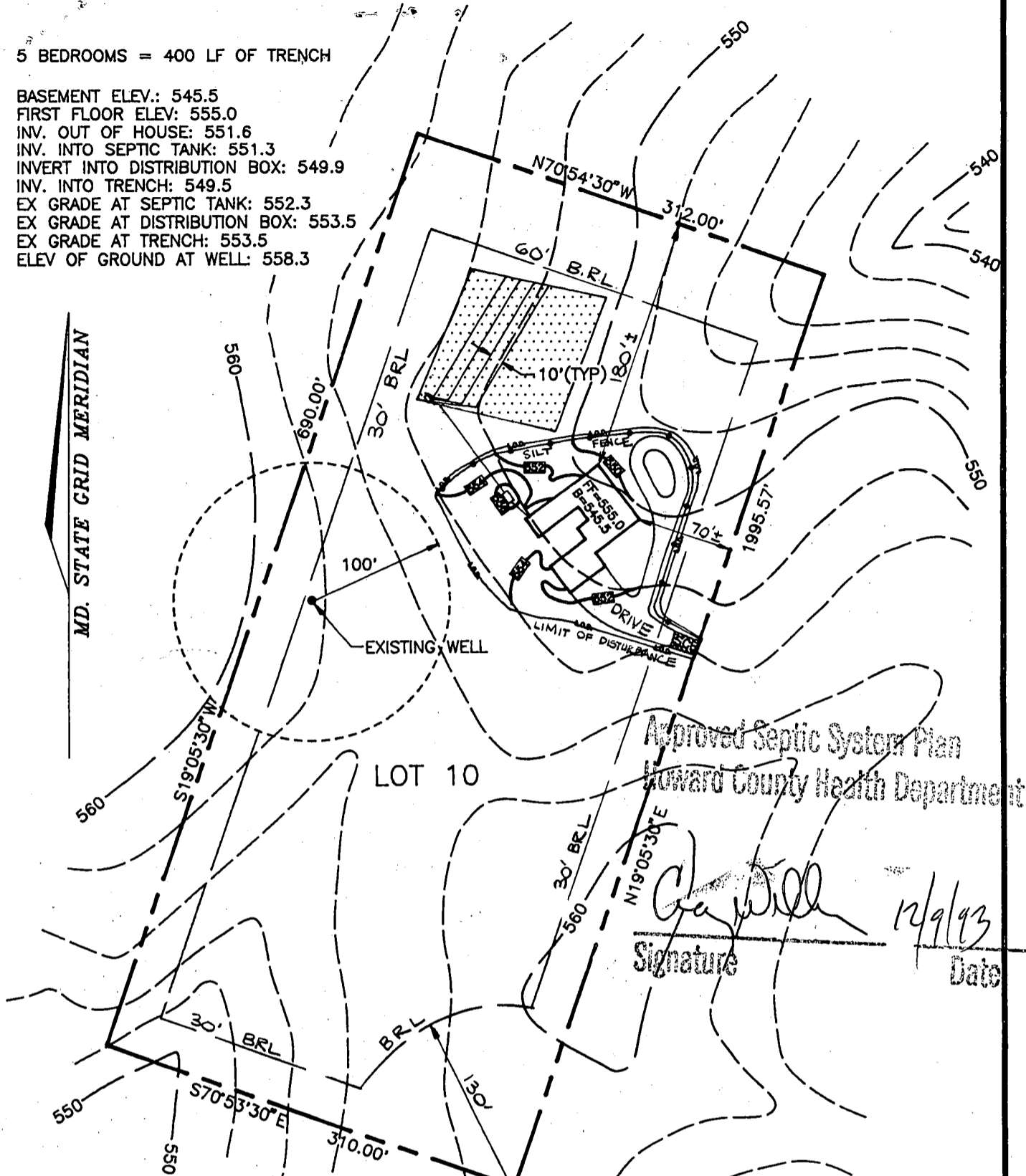
Signature of Applicant: J. A. Smith

Date: 7/7/94

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

5 BEDROOMS = 400 LF OF TRENCH

BASEMENT ELEV.: 545.5  
FIRST FLOOR ELEV.: 555.0  
INV. OUT OF HOUSE: 551.6  
INV. INTO SEPTIC TANK: 551.3  
INVERT INTO DISTRIBUTION BOX: 549.9  
INV. INTO TRENCH: 549.5  
EX GRADE AT SEPTIC TANK: 552.3  
EX GRADE AT DISTRIBUTION BOX: 553.5  
EX GRADE AT TRENCH: 553.5  
ELEV OF GROUND AT WELL: 558.3

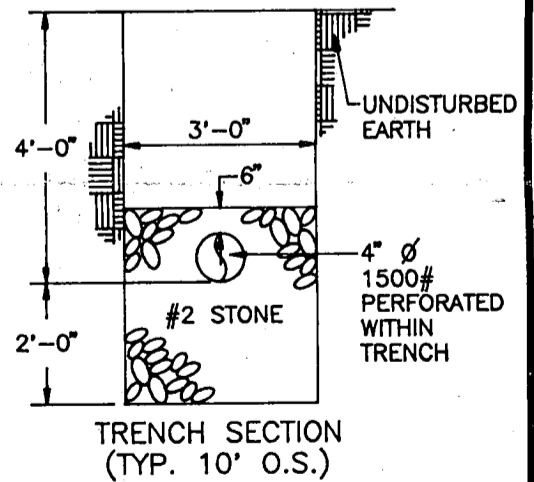


Approved Septic System Plan  
Howard County Health Department

*Chapman*  
Signature  
12/9/93  
Date

NOTE  
\*PERC FIELD & WELL LOCATION ARE FROM HEALTH DEPARTMENT RECORDS.  
\*TOPOGRAPHY SHOWN HEREON SUPPLIED BY CLIENT

PREPARED FOR:  
FEAGA CONTRACTING & BUILDING COMPANY  
9062 CHEVROLET DRIVE  
ELLCOTT CITY, MARYLAND 21042  
TELEPHONE: (410) 313-8203



**MARKS-VOGEL ASSOCIATES, INC.**  
CONSULTING ENGINEERS-SURVEYORS-PLANNERS  
3691 PARK AVE #101 ELLICOTT CITY, MD. 21043  
TELEPHONE (410) 461-5828 FAX (410) 465-3966

**PLOT PLAN**  
FOR  
LOT 10  
KINGS GIFT  
HOWARD COUNTY, MARYLAND

SCALE 1"=100'  
DRAWN BY D.G.H.  
CHECKED BY R.H.V.  
DATE NOVEMBER, 1993  
W. O. # \_\_\_\_\_