

6/10/96
2-3pm
6/11/96
2PM
6/27/96
6/12/96
1:00
6/12/96
CO'S
SOON
After-noon
3:00
TODAY

6/12/96 Needs house connection

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-356020

P 56537A

A 44242

DISTRICT 4th

DATE 4-3-96

DATE SYSTEM APPROVED 6-27-96

INSPECTOR DUS/contract

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
313-2640

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, MD 21157 PHONE 875-4197

SUBDIVISION Gwyndyl Oak Estates LOT 8 ROAD 2829 Rolling Fork Way

PROPERTY OWNER NV Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *Pump System only*

NUMBER OF BEDROOMS 4 *Be certain to maintain adequate separation from well on lot 9!

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

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

LOCATION - Place distribution box 210 feet up the left lot line (357.42') and 10 feet off that same lot line when facing the lot from Rolling Fork Way. Run trenches on 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 MR 4/10/96

PLANS APPROVED BY Amy McMillen DATE 12/8/94

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

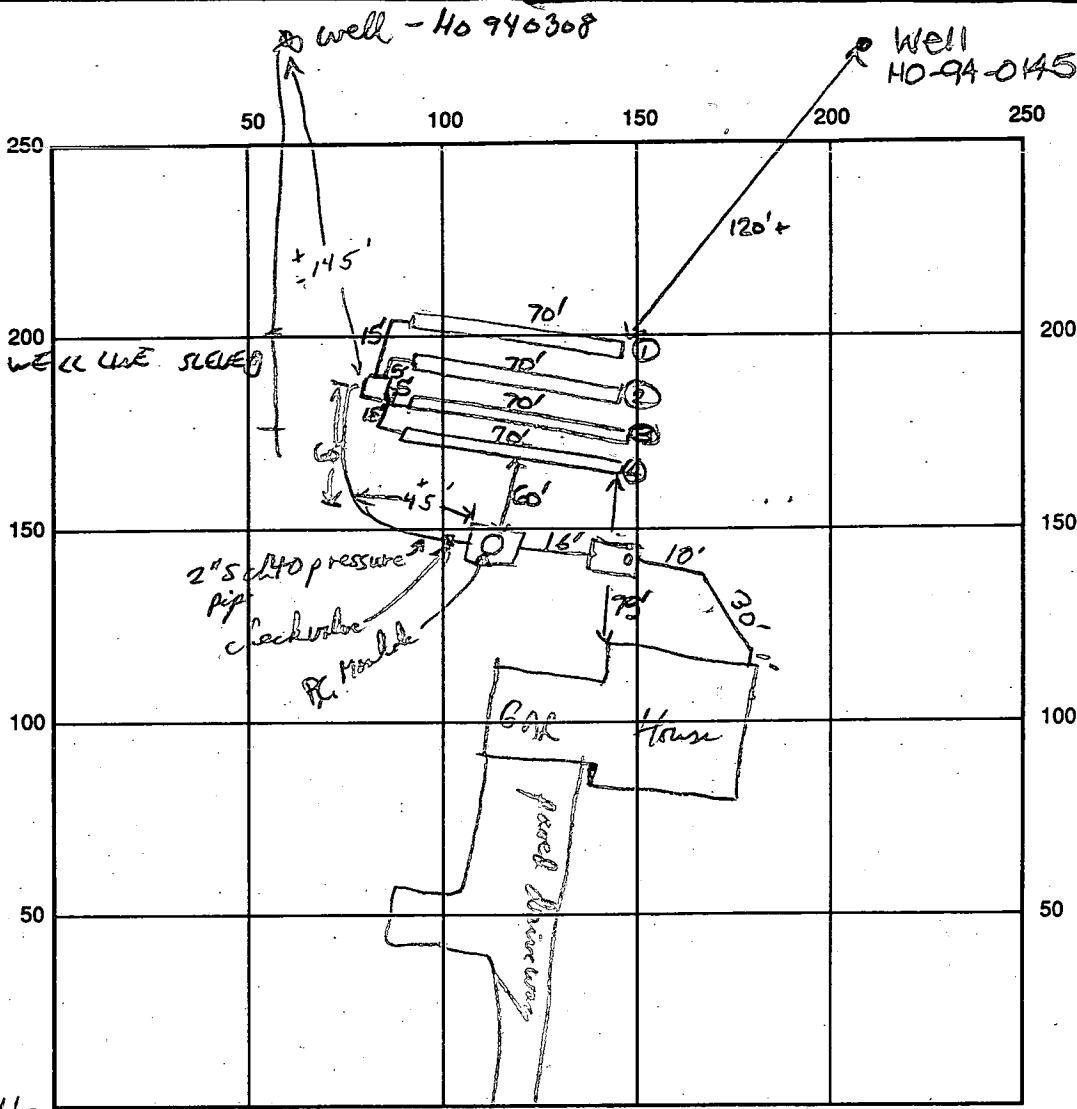
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A
44242
2/4/96

6-11-96
WPI OK
88



Rolling Fork way INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 gal P.C. 1500 gal ST CLEANOUTS S.T. cleanouts, P.C. 4' riser Manhole.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 070 @ 70 @ 70 @ 70 → 280'

NUMBER OF TRENCHES 4 ~~ONE SIDEWALL~~ BOTTOM AREA 840 SQ. FT.

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

ABSORBENT AREA 840 SQ. FT.

REMARKS: S.T. + P.C. placement OK to cover, call for trench inspection whenever. 6/11/96

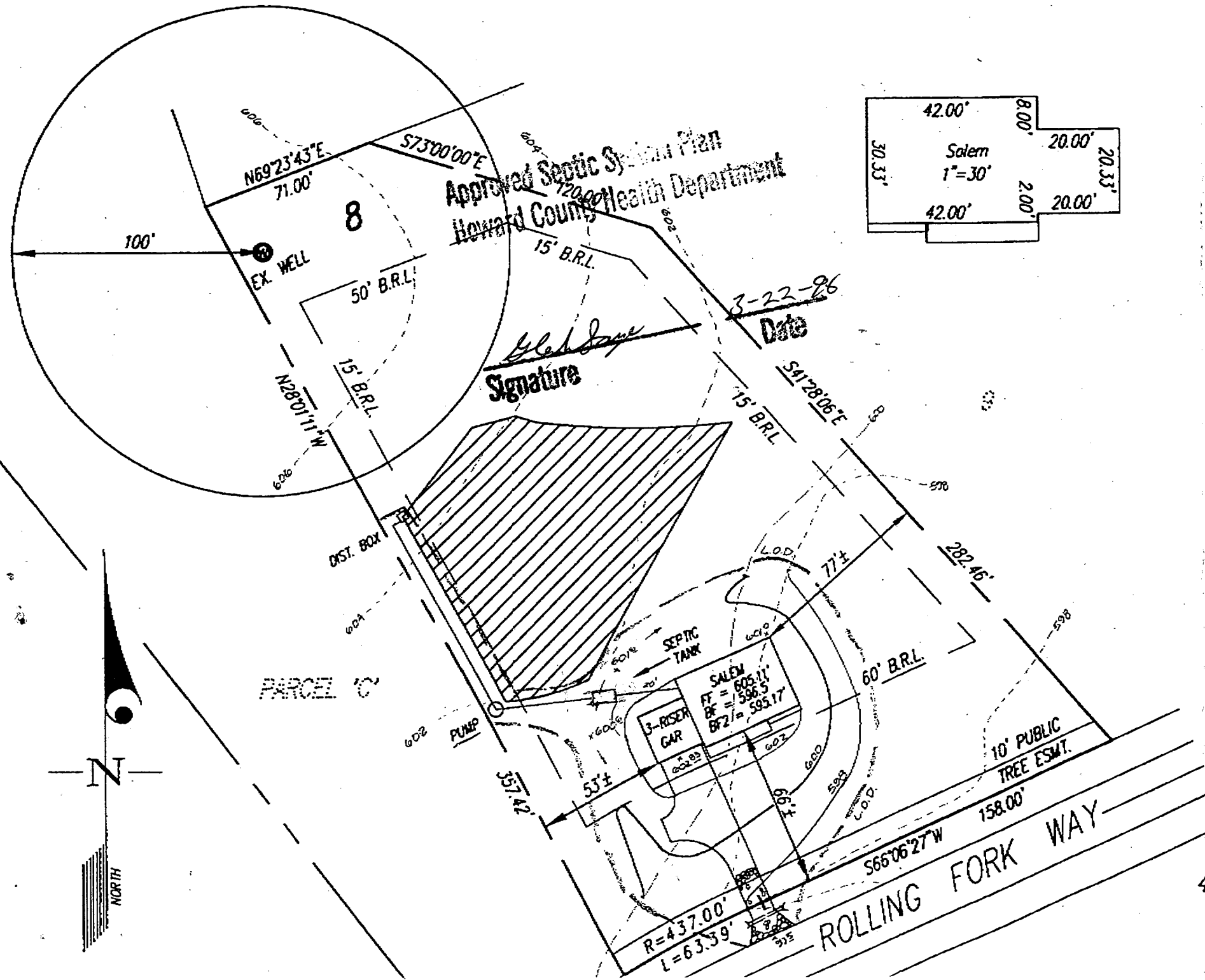
6-11-96 DIST. Box in, NO HOUSE CONNECTION

6/12/96 OK to cover from 2' off house to d.b. and trenches. Needs pump check and house connection check. DKS

6/27/96 Not able to make inspection. System OK - confirmed by Mr. Schist. Note where water line is within 10ft of septic system Area. Need to sleeve water line (110' of sleeve) DKS

DATE SYSTEM APPROVED 6/27/96 INSPECTOR TRUMA K GOR

MAR-8-96 FRI 10:33 AM GUTSCHICK LITTLE WEBER FAX NO. 3014214186 P. 2



Notes:

1. Lot shown contains 59,903 s.f. of land and recorded at plat # 11550 among the Land Records of Howard County, Maryland.
2. Prepared by Gutschick, Little and Weber, P.A.
3. Grading around house may vary due to field conditions.
4. No construction stockpiling refuse or excess material shall be buried in septic easement.
5. Wells shown per SP-93-15.
6. Install sediment controls as required by Site Inspector. See Sediment Control Plan # GP-95-26.
7. Disturbed area shown is 16,000 s.f.
8. Pile excavated material on high side of trench when installing septic field prior to disposal of excess material.
9. Length of trench for septic system to be determined and specified by Howard County Department of Health.

SEPTIC SYSTEM DATA:

BASEMENT FLOOR AREA = 596.5'
 INV. OUT OF HOUSE = 599.90' HUNG SEWER
 INV. IN AT SEPTIC TANK = 599.5'
 INV. OUT AT SEPTIC TANK = 599.25'
 EX. ELEV. AT SEPTIC TANK = 601.5'±
 PROP. ELEV. AT SEPTIC TANK = 601.5'
 INV. IN AT DIST. BOX = 601.3'
 EX. ELEV. AT DIST. BOX = 604.3'±
 INV. IN AT PUMP PIT = 598.3'

LOT 8
GWYNDYL OAK ESTATES
 4th ELEC. DIST. HOWARD CO., MD
 March 1, 1996 1"=50'

APPLICATION

PERCOLATION TESTING

A 44242

P _____

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

DISTRICT _____

DATE 10-22-92

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 PETTIT & GRIFFIN INC.

ADDRESS 18205-D FLOWER HILL WAY PHONE (301) 975-1020
GAITHERSBURG MARYLAND 20879

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Mckendree estates LOT NO. NEW 9

ROAD AND DESCRIPTION Mckendree Road

TAX MAP 14 PARCEL # 123

SIZE OF LOT 40,000# - 60,000# TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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. Zacharia y. fisch (agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING 11/12/92 - Per OK - But Recommend Visual

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____
Hole in wet Season because Perc Area

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____
is Higher Than Houses & History of

underground water in 1989

THIS IS NOT A PERMIT

HD-216 (3/92) 1/25/93 AS RESULT OF MEETING OF TODAY
WITH ENGINEER DECIDED RETEST IN WET SEASON RN, CWOZACK

44242 LOT 6 Mc Kendree Estates

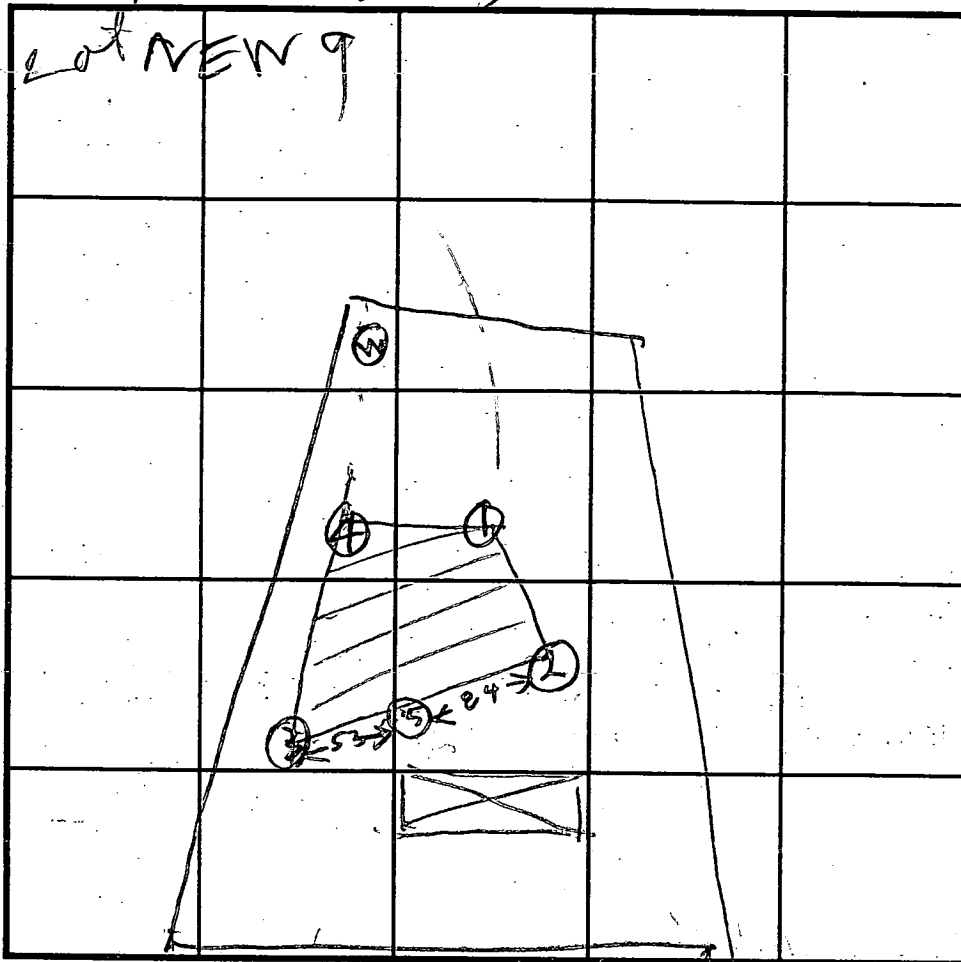
COUNTY #

SOIL PROFILE

0' (1)
CLAY TOPSOIL
2 1/2'
PINK BROWN SAND LOAM
12'

(2)
2'
TOPSOIL CLAY
LIGHT BROWN SAND LOAM
13'

(3)
5'
TOPSOIL BROWN CLAY
LIGHT BROWN SAND LOAM
13'



SOIL PROFILE

0' (4)
3 1/2'
TOPSOIL BROWN CLAY
14'
BEIGE SAND LOAM

(5)
4'
TOPSOIL RED CLAY
11'
REDDISH-BROWN SAND LOAM
12'
MOIST WATER
13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/12/92	1S	4	302	305	305	310	5
	1N	8	302	305	305	310	5
	1V	12	OK				
	2S	4	300	310	310	318	8
	2V	13	OK				10
	3S	5 1/2	310	324	324	350	26
	3V	13	OK				14
	4V	14	OK				
2/24/93	5V	13	UNSATURATED		WATER 12 FT MOIST		11 FT

REMARKS: Hole (1)(2)(3)(4) dug per test plat

TYPE OF SOIL

TESTED BY B. Hodger ALSO PRESENT Hugh & O. Kettner Jr

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 11 TRENCH WIDTH 3

INLET DEPTH 3 MAXIMUM BOTTOM DEPTH 5 SQ. FT./BEDROOM 210

C1 3506

SEQUENCE NO. (DENY 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 A44242

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 030695

Depth of Well 185 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0308

OWNER Petit & Griffin, Inc. last name Rolling Fork way first name TOWN Glenwood SUBDIVISION Gwyndyl Oak Estates SECTION LOT 8

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Rows include soft brown dirt, med/med hard tan rock, hard gray rock, med tan rock, med hard/hard tan, soft brown rock, med/med hard tan rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 15, NO. OF POUNDS 1500, GALLONS OF WATER 90, DEPTH OF GROUT SEAL 59 ft.

CASING RECORD: casing types insert appropriate code below. MAIN CASING TYPE PL, Nominal diameter 6 inch, Total depth 60 feet.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y).

SCREEN RECORD table with columns: DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN. Rows 1-3.

CIRCLE APPROPRIATE LETTER: A (WELL ABANDONED AND SEALED), E (ELECTRIC LOG OBTAINED), P (TEST WELL CONVERTED TO PRODUCTION WELL).

DRILLERS IDENT. NO. 304, David Kelly, Harvey W. Knapp, 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. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (TELESCOPE CASING), LOG INDICATOR, W.Q. (OTHER DATA).

PUMPING TEST: C3. HOURS PUMPED 3, PUMPING RATE 14 gal. per min., METHOD USED TO MEASURE PUMPING RATE timer, WATER LEVEL 37, WHEN PUMPING 53, TYPE OF PUMP USED (for test) S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (circle appropriate box and enter casing height) above, LAND SURFACE 1 (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). 16' LPL, 32' LRC.

EDUCATED TO HOWARD
MARRIAGE FOR THE
SE OF A PUBLIC ROAD



Wells of water situated 11/19/88
No property markers available
well sites from on full location of
the parcel files & plat for survey

Wells of water situated 11/19/88

20' DRAINAGE DITCH
UTILITY EASEMENT

24' COMMON ACCESS EASEMENT
FOR INGRESS & EGRESS TO
LOTS 5 & 6

LOT 16
1.03 AC ±

LOT 15
1.20 AC ±

LOT 14
1.37 AC ±

LOT 13
1.57 AC ±

LOT 12
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LOT 1
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HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043

Fax: 313-2648 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 6/20/96

Name of Installer ROBT. L. FEEZER CO. INC. Telephone 781-4655

License Number 2122
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner NV-HOMES Telephone 795-1405
Subdivision MCKENDREE EST. Lot # 8 Well Tag # HO-84-0308
Site Address ROLLING FORK WAY

Pump	Motor	Pitless Adapter
1. Type	1. Horsepower <u>1/2</u>	1. Make <u>HAYWARD</u>
a. Deep well jet _____	2. RPM <u>2450</u>	2. Model # <u>PTB00</u>
b. Shallow well jet _____	3. Voltage _____	3. Depth <u>42"</u>
c. Submersible <input checked="" type="checkbox"/>	a. 110 _____	
2. Make <u>SPRINT</u>	b. 220 <input checked="" type="checkbox"/>	
3. Model # <u>7SP4C02JL-03</u>		
4. Capacity <u>7</u> GPM		
5. Pump exceeds well capacity Yes _____ No <input checked="" type="checkbox"/>		
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 <input checked="" type="checkbox"/> Oth. _____		

Tank <u>CAPTIVE AIR</u> <u>WELL-X-TROL</u>	Piping	Well data
1. Capacity <u>22 GALL.</u>	1. Type <u>Poly</u>	1. Depth <u>185 ft.</u>
2. Pressure relief valve? <u>YES</u>	2. Size <u>1"</u>	2. Yield <u>14</u> GPM
	3. NSF and/or BOCA Code approved <u>YES</u>	3. Static water level <u>?</u> ft.
	4. Depth of supply line <u>42"</u>	4. Will water supply be disinfected by installer? <u>YES</u>

6/11/96 WPI OK
PER GS

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: Robert L. Feezer
Date: 6/20/96

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

* HAS BEEN INSPECTED