

7/29/89 2 PM

05 - 409314

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 5th

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE SYSTEM APPROVED 7-25-89

INSPECTOR S. d. h.

John H. Kram, Jr.

IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 2073, Westminster, Maryland 21157

PHONE

SUBDIVISION Ridgewood

ROAD 13321 Ridgewood Dr

LOT 14

PROPERTY OWNER Phoenix South, Inc. LARRY Patrick

ADDRESS

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES X NO X

SEPTIC TANK CAPACITY 2000 ¹⁵⁰⁰ GALLONS

NUMBER OF BEDROOMS 5

TRENCHES - 180 ²²⁰ sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Start the first trench 315 feet from the front lot line and 100 feet from the right lot line. Run trenches along contour in both directions.

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

OK TO ELIMINATE REFERENCE TO GARBAGE DISPOSAL.

HOUSE HAS 4 BR + BONUS ROOM ABOVE GARAGE + SEWING ROOM - TIGHT AS

PLANS APPROVED BY

C. Williams

DATE 12/10/88

5 BR.

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

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

OLD PERMIT SIGNED

AND RETURNED

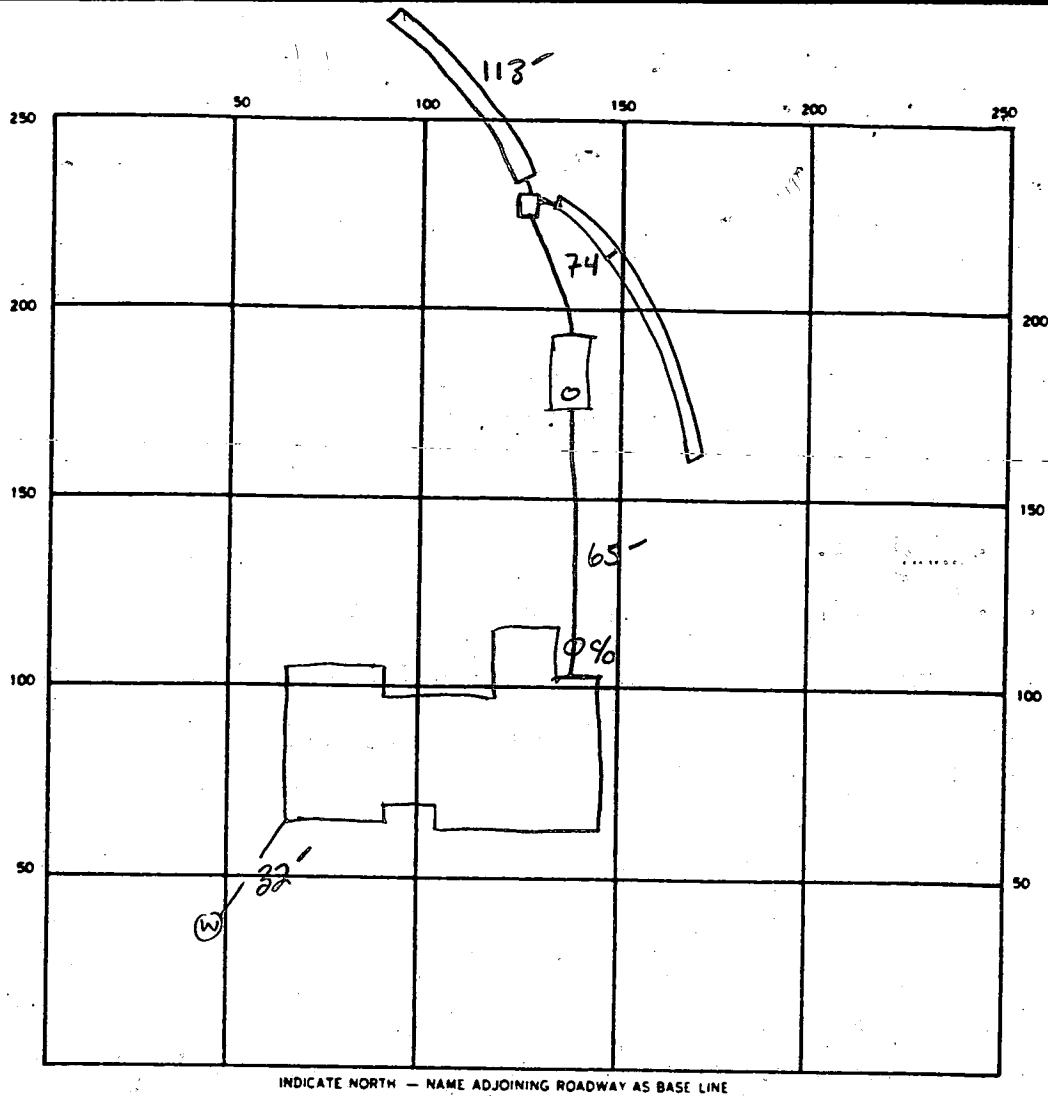
Serial # B 00103491
Sunder

OLD PERMIT SIGNED

AND RETURNED

Serial # B 00103321
addition - SUNDERS

38874



SEPTIC TANK LEVEL ✓ 1500

CLEANOUTS ✓ MANHOLE 4'

DISTRIBUTION BOX LEVEL ✓

DRAIN FIELD/TILE FIELD DEPTH 8.0 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.0 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 113 113 TLF 226 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL BOTTOM AREA 904 SQ. FT.

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

ABSORBENT AREA 904 SQ. FT.

REMARKS 7-24-89. INV. AT 4.5 AT DESIGNATED TRENCH LOCATION. Pull TRENCHES AS
HIGH ON PROPERTY AS POSSIBLE, MAINTAIN 4.5' INV. AND TAKE BOTTOM TO 8.5'. SEE

DATE SYSTEM APPROVED 7-25-89 INSPECTOR S. Abel

RIDGEWOOD

DRIVE

50' R/W

$\Delta = 373.06'$
200.36'

50.00

LARRY PATRICK
12321

9-19-96

PROPOSED

SUN ROOM
NO IMPACT TO
WELL OR SEPTIC
OK TO PROCEED
Ed. Surr

75' BRL



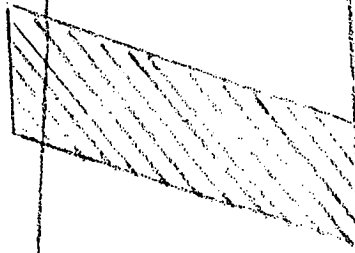
S15°00'00"E
403.25' (NTR)

proposed addition
ON EXISTING sundeck.

715.01'

30' BRL

30' ERL



⑦

MATCH LINE - SET
2 of

14-
171877φ OF
3.3458 ACRES

404.44'

812.69'

S15°00'00"E

N11°00'00"W

60' BRL

60' BRL

52.11'

⑧ S83°55'19"W-210.00' ⑥

RIDGEWOOD

LOTS 1 THRU 32

GRID NORTH

G.W FLOYD et al
L. 786 F. 309

E10°00'00"

N51°52'50"

RIDGEWOOD

DRIVE
A = 373.06'
200.36'

LARRY PATRICK
18321

proposed
Sundeck
14' x 29'

proposed Addition
ON EXISTING Sundeck

12/26/96

Shown Deck Location
will have no impact
to the existing well
or septic

Amy
McMe

GRID NORTH
N
G.W FLOYD et al
L. 786 F. 309

N 0° 00' 00" W

14
171877 OF
3.3458 Acres

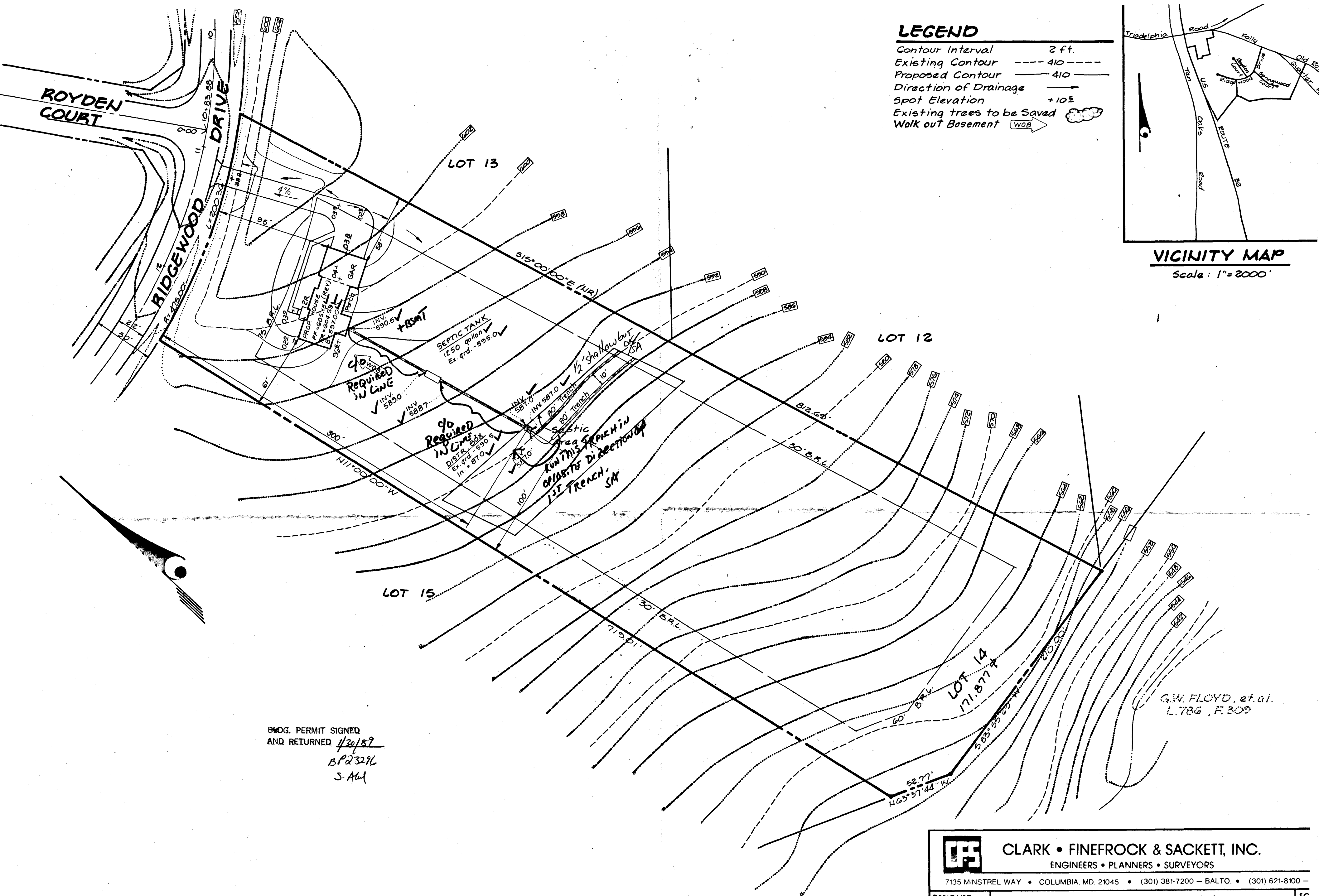
MATCH LINE - S

E 90° 00' 00" E
N 51° 52' 50"

RIDGEWOOD
LOTS 1 THRU 32

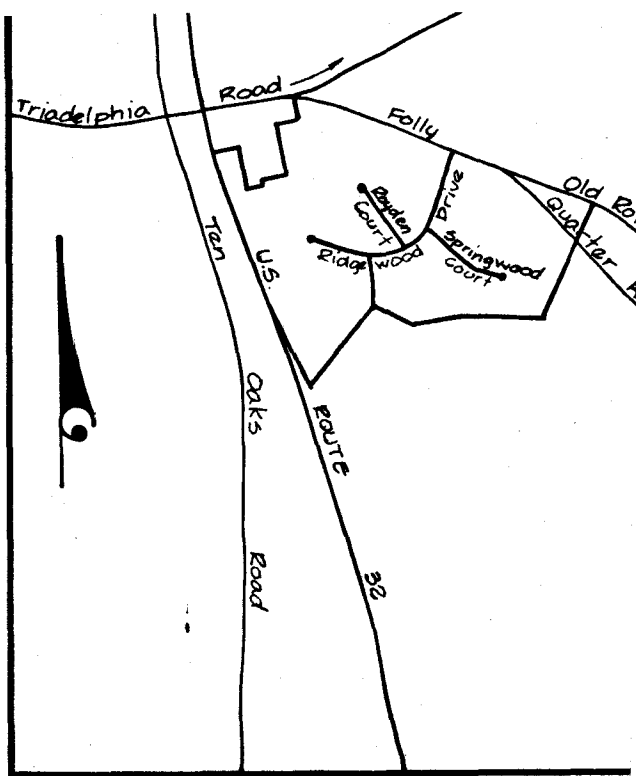
TAX MAP NO. 22 TAX MAP PARCEL NO. 60
5TH ELECTION DISTRICT
HOWARD COUNTY, MD.

SCALE: 1" = 100'



LEGEND

- Contour Interval 2 ft.
- Existing Contour --- 410 ---
- Proposed Contour --- 410 ---
- Direction of Drainage →
- Spot Elevation +10±
- Existing trees to be Saved
- Walk out Basement WOB



VICINITY MAP

Scale: 1"=2000'

BMOG. PERMIT SIGNED
AND RETURNED 1/30/89
BP23296
S. AM

PORTER

G.W. FLOYD, et al.
L.786, F.309



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 -

DESIGNED V.H.L.	SITE DEVELOPMENT PLAN LOT 14 RIDGEWOOD 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SC /
DRAWN P.E.R. BAR		DR /
CHECKED J.M.E.		JC 8
DATE Jan. 1989		FI 8
For: PHOENIX SOUTH, INC. 1709 Westminster Way Annapolis, MD. 21401		

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 38874
P _____

DISTRICT _____

DATE _____

5/21/87
perc OK'd
send in approved
plan

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 Phoenix South, Inc. 841-5453

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

LOT 14 on Prelim

SUBDIVISION RIDGEWOOD LOT NO. 38

ROAD AND DESCRIPTION 13321 Ridgewood Dr.

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG _____
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY B Nyfan FOR Deep System DATE 10/28/87

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes + sub + plot

BUDG. PERMIT SIGNED
AND RETURNED 1-30-89

BP 23296 SM

THIS IS NOT A PERMIT

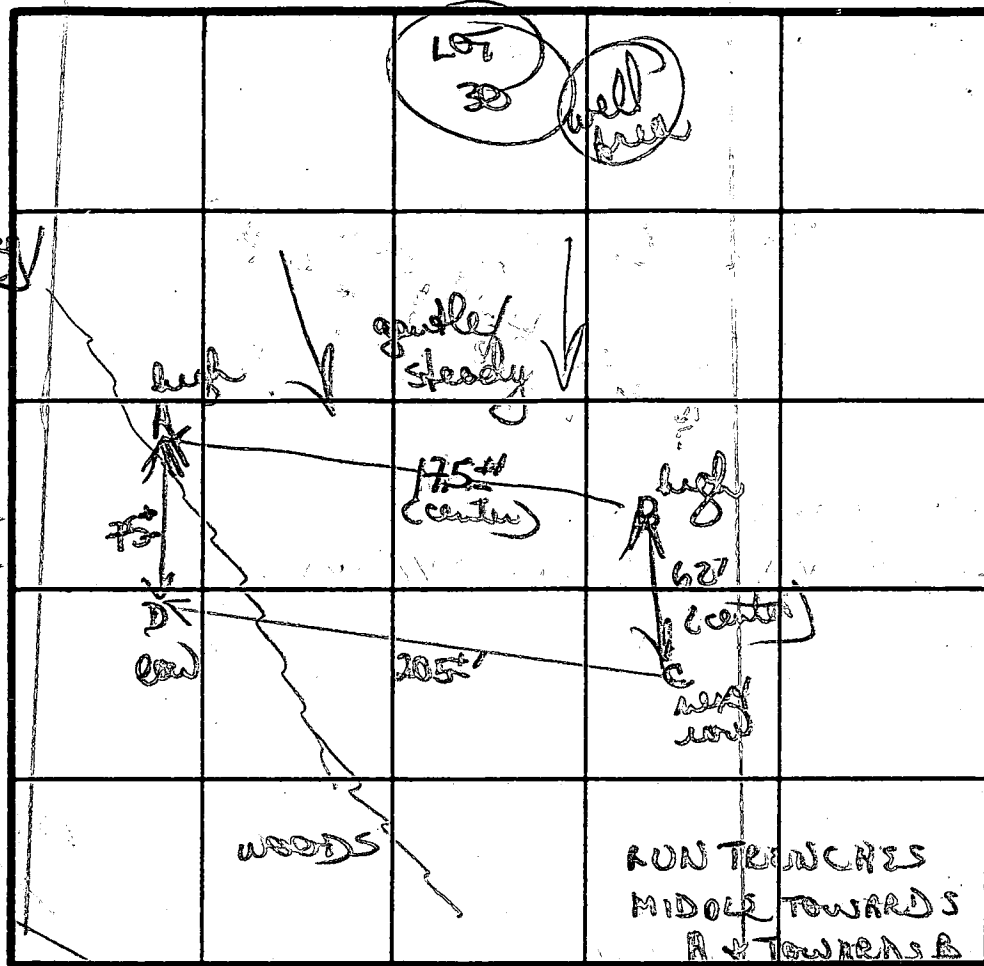
RIDGEWOOD DRIVE

TO
LOT
← 29

SOIL PROFILE

orange chunky
gritty
dry sand
loam
3'
quickly to
orange tan
silty loam
25% small
weathered
fraggs

12' D



brown/orange
clay/clay
loam
4'

to purple
powdery
mix w/
small fraggs
shred

112' D

INLET 3 1/2'
MAX D 8'

180 4/60
X = 2 1/2 MIN

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

brown/orange
clay/clay
loam
4'

to orange tan
pink tan
silty loam

↓

11' D

D

bright orange
gritty clay
silt loam
3 1/2'

quickly to
tan powdery
silty mixed
loam 25%
scattered
layered fraggs

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/21/87	B	3' S	116	117	117	119	2MIN
		6 1/2' M	116	117	117	119	2MIN
		12' D	bottom (see profile)				
	C	4' S	123	125	125	128	3MIN
		6 1/2' M	123	125	125	128	2MIN
		11' D	bottom (see profile)				
	D	3 1/2' S	127	129	129	131	2MIN
		12' D	bottom (see profile)				
	A	4' S	129	132	131	134	3MIN
		11 1/2' D	bottom (see profile)				

REMARKS

Dug & tested as staked. soils uniform enough
not to have visual
orange/brown clay/loam 4'; mostly tan silty loam
w/ scattered fraggs

TYPE OF SOIL

TESTED BY

B. Nyman

ALSO PRESENT

Chris, Jeff

C1	9641	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 # 38874	
DATE Received		DATE WELL COMPLETED		Depth of Well		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
120988		120988		400		10-AB-0261	
8		13		22		26	
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		(TO NEAREST FOOT)					

OWNER	RIDGEWOOD ACCOC.		
STREET OR RFD	last name	first name	TOWN
RIDGEWOOD	RIDGEWOOD	DR	CLEVELAND
SUBDIVISION	SECTION		LOT
RIDGEWOOD			14

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
TOP SOIL	0	1
RED CLAY	1	5
BR. MICA	5	50
TAN MICA	50	70
GRAY MICA	70	400

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
yes	no
☒ Y	☐ N
TYPE OF GROUTING MATERIAL	
CEMENT	BENTONITE CLAY
☒ CM	☐ BC
NO. OF BAGS	NO. OF POUNDS
15	1500
GALLONS OF WATER	
75	
DEPTH OF GROUT SEAL (to nearest foot)	
from	ft. to
0	44
(enter 0 if from surface)	

CASING RECORD	
casing types insert appropriate code below	
STEEL	CONCRETE
☒ ST	☐ CO
PLASTIC	OTHER
☐ PL	☐ OT
MAIN Casing	
Nominal diameter	Total depth
top (main) casing	of main casing
(nearest inch)	(nearest foot)
57	60
61	63
64	66
67	70

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

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

C2	
DEPTH (nearest ft.)	
1	2
8	9
11	15
17	21
23	24
26	30
32	36
38	39
41	45
47	51
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN	
(NEAREST INCH)	
56 60	
from to	

GRAVEL PACK	
IF WELL DRILLED WAS	
FLOWING WELL INSERT	
F IN BOX 68	
50 52 54 56 58 60 62 64 66 68	

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
T	(E.R.O.S.)	WQ
70	72	74 75 76
TELESCOPE	LOG	OTHER DATA
CASING	INDICATOR	

C3		
PUMPING TEST		
HOURS PUMPED (nearest hour)		
6		
PUMPING RATE (gal. per min. to nearest gal.)		
3		
METHOD USED TO MEASURE PUMPING RATE		
Bucket		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING		
4.5		
WHEN PUMPING		
1.60		
TYPE OF PUMP USED (for test)		
A air	P piston	T turbine
☐ A	☐ P	☐ T
C centrifugal	R rotary	O other (describe below)
☐ C	☐ R	☐ O
J jet	S submersible	
☐ J	☒ S	

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP YES NO	
(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)	
+ above	
- below	
LAND SURFACE	
(nearest foot)	
50 51	

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)	
ct. lot 1400	
60'	

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. 40	
DRILLERS SIGNATURE	
(MUST MATCH SIGNATURE ON APPLICATION)	
Blane Tree Drilling	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

COUNTY

of

Review OK 1/27/89 CW

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. (HO - 88-0261)
Location of property (road) RIDGEWOOD DR.
Subdivision RIDGEWOOD Lot 14 Block Plat Sec.
Well Driller C. EASTERDAY Owner RIDGEWOOD ASSOC

Depth of well 400 ' 3 GPM
Distance of measuring point (M.P.) above ground 18"
Static water level (S.W.L.) below M.P. 45'

I. High rate pumping -- reservoir drawdown

Time pump started 9:15 Pumping rate 3 10 G.P.M.
Total time 45 min to reach pumping water level 159 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 1 time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:00	159'	20 sec	N/A	3 G.P.M.
10:15	159'	20 sec		3 G.P.M.
10:30	159'	20 sec		3 G.P.M.
10:45	159'	20 sec		3 G.P.M.
11:00	159'	20 sec		3 G.P.M.
11:15	159'	20 sec		3 G.P.M.
11:30	159'	20 sec		3 G.P.M.
11:45	159'	20 sec		3 G.P.M.
12:00	159'	20 sec		3 G.P.M.
12:15	159'	20 sec		3 G.P.M.
12:30	159'	20 sec		3 G.P.M.
12:45	159'	20 sec		3 G.P.M.
1:00	159'	20 sec		3 G.P.M.
1:15	160'	20 sec		3 G.P.M.
1:30	160'	20 sec		3 G.P.M.
1:45	160'	20 sec		3 G.P.M.
2:00	160'	20 sec		3 G.P.M.
2:15	160'	20 sec		3 G.P.M.
2:30	160'	20 sec		3 G.P.M.
2:45	160'	20 sec		3 G.P.M.
3:00	160'	20 sec		3 G.P.M.
3:15	160'	20 sec		3 G.P.M.
3:30	160'	20 sec		3 G.P.M.
3:45	160'	20 sec		3 G.P.M.
HD-2244:00	160'	20 sec	3 sec	3 G.P.M.

Pump 380'

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 # 44597
Date 6/27/89

Name of Installer ATG Mech. Contr. Inc. / John A. Kraus Jr. Telephone 875-2937

License Number _____
Certified Well Pump Installer _____ Well Driller _____ Registered Plumber ☒

Name of Property Owner _____ Telephone _____
Subdivision Ridgewood Lot # 12 Well Tag # HO-68-0201
Site Address 13371 Ridgewood

Pump Motor Pitless Adapter
1. Type 1. Horsepower _____ 1. Make _____
a. Deep well jet _____ 2. RPM _____ 2. Model # _____
b. Shallow well jet _____ 3. Voltage _____ 3. Depth _____
c. Submersible _____ a. 110 _____
2. Make _____ b. 220 _____
3. Model # _____
4. Capacity _____ 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 _____ 1. Type _____ 1. Depth 400 ft.
2. Pressure relief valve? _____ 2. Size _____ 2. Yield 3 GPM
3. NSF and/or BOCA Code approved _____ 3. Static water level 45 ft.
4. Depth of supply line _____ 4. Will water supply be disinfected by installer? ☒

7/24/89 - Pitless at 46" well line same; Inside work not complete. See
7/25/89 Inside work complete. See
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: 6-27-89

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