

04-345649
PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

{ I.C.O.P.
Time expired }

P 39124

A 36736A

DISTRICT 4th

DATE 4/13/87

DATE SYSTEM APPROVED 4/16/87

INSPECTOR (signature)

Lendrim Contracting, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 14010 Forsythe Road, Sykesville, MD 21784 PHONE 442-2416

SUBDIVISION Charles Hobb Property ROAD 14051 Tall Ships Dr LOT

PROPERTY OWNER Charles Hobbs IV

ADDRESS

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

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 174 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 2 1/2 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 2 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Place 1st trench 110 feet down the 495' (right) lot line (from the rear 213.96 and 495 lot corner) and 140 feet off the right lot line as seen when facing the property from Tall Ships Road, Entrances. Run trenches along contour toward the left (1112.00') lot line. NOTE: 1st trench not to exceed 75 feet in length; make sure that well remains 100 feet from 1st trench.

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

PLANS APPROVED BY B. Nixon DATE June, 1986

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 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 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.

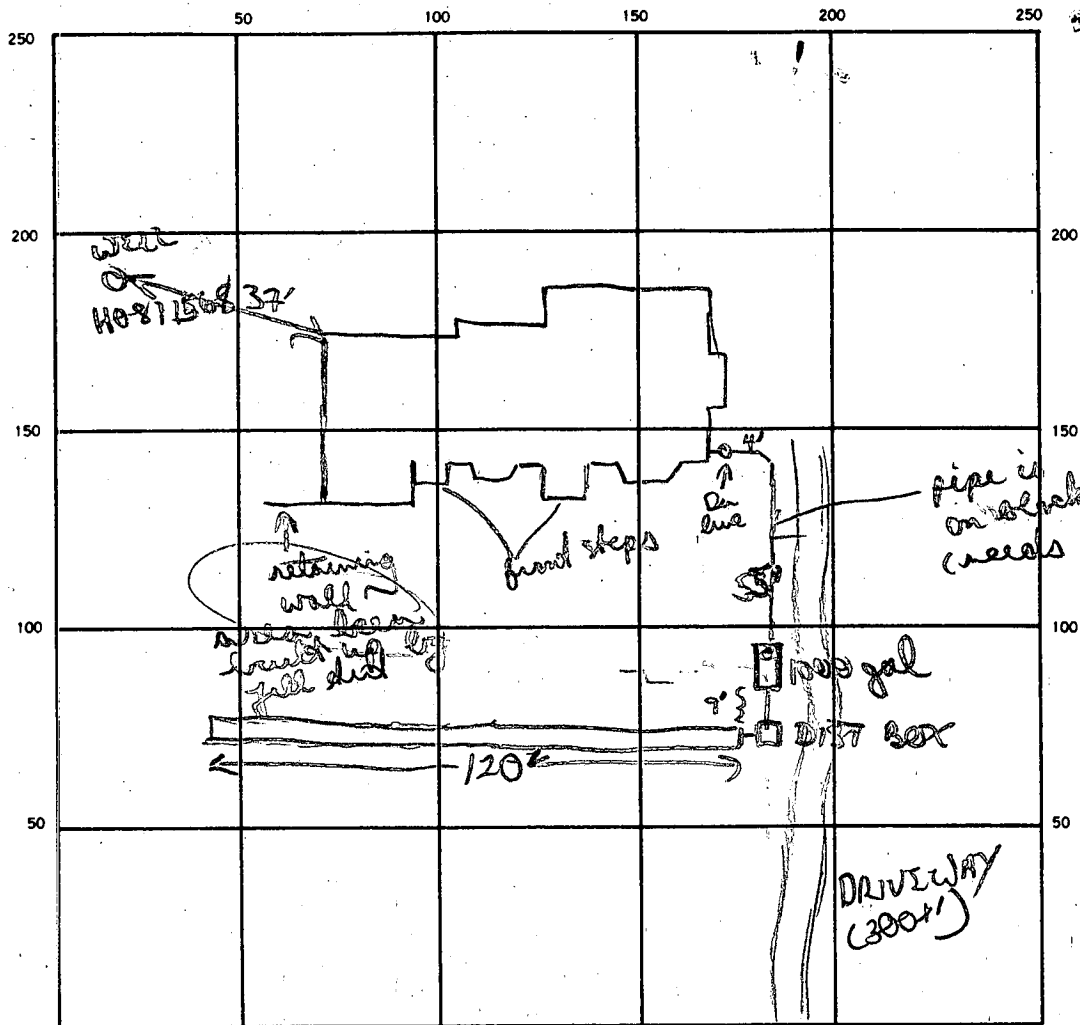
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A36736A



SEPTIC TANK. LEVEL 1000 gal CLEANOUTS 1 in line, 1 S.T.

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD/TILE FIELD. DEPTH 7' FT. TRENCH WIDTH 2 FT. INLET DEPTH 2 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 1/2' FT. TOTAL LENGTH 120' FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 540 SQ. FT.

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

ABSORBENT AREA 540 SQ. FT.

REMARKS 4/15/87 OK to go w/ 1-120' long trench. Part of upper
perc area appears to have been built up w/ fill. one long
trench to help preserve area. OK to start trench + add stone
pipe paper.

4/15/87 OK to cont.

4/16/87 OK to finishing stoning, piping + papering. OK to finished
OK to cover all work remaining D.Box

DATE SYSTEM APPROVED 4/16/87 INSPECTOR B. W. W.

APPLICATION

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

PERCOLATION TESTING

4/15/86
perc approval
pending
plat
(B)

A 36738

P _____

DISTRICT 4th

DATE 4/2/86

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 CHARLES. A. HOBBS, IV

✓ ADDRESS 3555 MCKENDREE RD. PHONE 442-5500

✓ PROSPECTIVE BUYER SELF

✓ ADDRESS SEE ABOVE PHONE ---

PROPERTY LOCATION:

✓ SUBDIVISION OFF TALL SHIPS LOT NO. _____

✓ ROAD AND DESCRIPTION ON HOBBS FARM
14051 TALL SHIPS DR.

✓ TAX MAP 14 PARCEL # ---

BLDG. PERMIT SIGNED S. Abel
AND RETURNED 9-23-86

✓ SIZE OF LOT 1 ACRE TYPE BLDG. SINGLE FAMILY
(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]
(SIGNATURE OF APPLICANT)

APPROVED BY B. Wilson FOR _____ DATE June 86

REJECTED BY _____ FOR _____ DATE _____

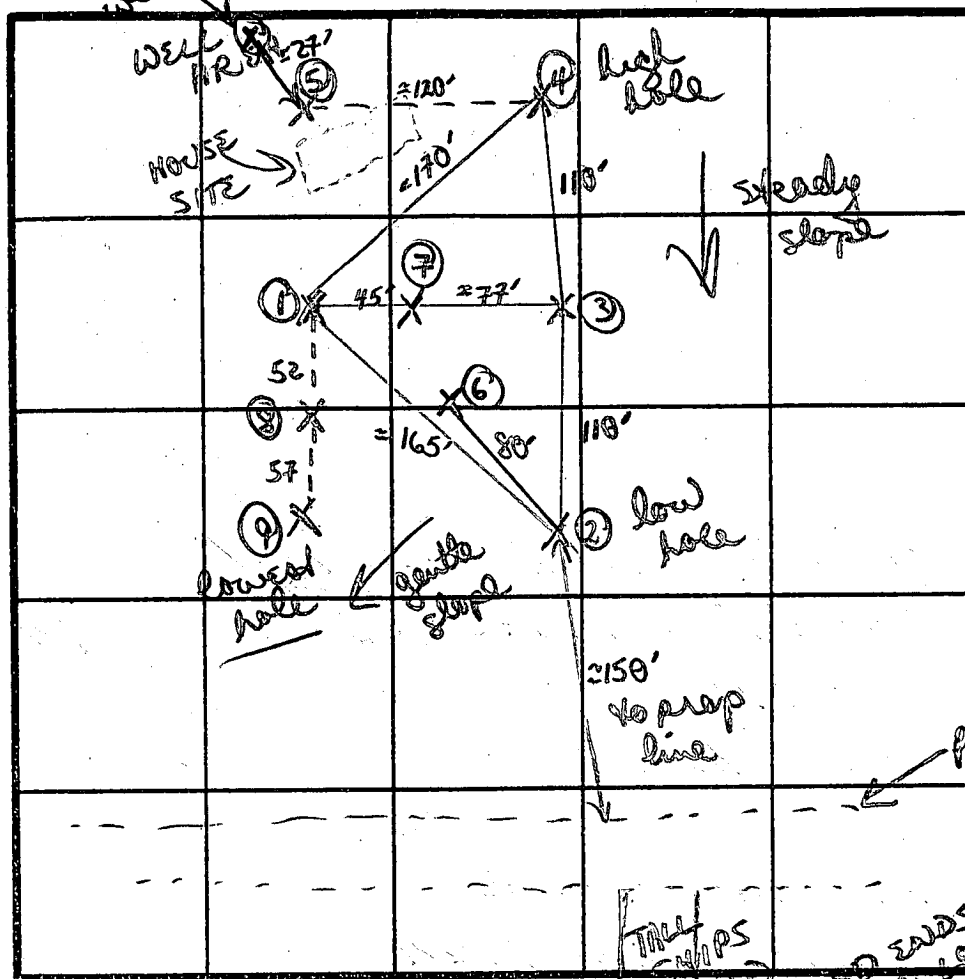
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Used certified plat with lot lines noted
& field located holes

THIS IS NOT A PERMIT

SOLID LINE IS PERC FIELD
TO BE USED

--- LINES HOLES NOT USED



SOIL PROFILE

Red/brown
sandy/clay
loam
3 1/2' - fine med
grain
tan powdery
sandy
silt
loam
12'D

Red/brown
clay loam
3 1/2' -
Red/brown
to yellow/
brown
sandy clay
loam
6' - small frag. rock
11'D

Red to
yellow
clay loam
1 1/2' -
yellow/brown
to red
brown
silty/sandy
loam
10'D

Red/brown
clay loam
4 1/2' -
5-15%
small rock
frag.
mixed w/
clay loam
11'D

Red/yellow
clay to
clay loam
4 1/2' -
Red silty/
clay loam
11'D

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/15/86	①	1 1/2'S	138	142	142	147	5min
		4 1/2'M	138	140	140	143	3min
		12'D	bottom (see profile)				
	②	1 1/2'S	155	157	157	200	3min
		4 1/2'M	155	156	156	158	2min
		10 1/2'D	bottom (see profile)				
	③	1 1/2'S	206	211	211	219	8min
		5 1/2'M	206	213	213	221	8min
		11'D	bottom (see profile)				
	④	1 1/2'S	224	227	227	233	6min

1 AC. LOT TO BE CREATED AROUND PERC FIELD

REMARKS

(SEE NEXT SHEET FOR ADDITIONAL INFO)

TYPE OF SOIL

Red/yellow clay loams top 3-4'; below mostly sandy loams.
small frags of hard rock in a couple of holes.

TESTED BY

B. NIXON

ALSO PRESENT

KENNY MURPHY / MR MORRIS

APPLICATION

PERCOLATION TESTING

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

A 36738

P 475

DISTRICT 4/2/80

DATE 4/2/80

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 CHARLES A. HOBBS IV

ADDRESS 3555 MCKENDREE RD. PHONE 442-5510

PROSPECTIVE BUYER SELF

ADDRESS SEE ABOVE PHONE 5

PROPERTY LOCATION:

SUBDIVISION OFF TALL SHIPS LOT NO. _____

ROAD AND DESCRIPTION ON HOBBS FARM

TAX MAP 14 PARCEL # 0

SIZE OF LOT 1 ACRE TYPE BLDG. SINGLE FAMILY
(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]
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

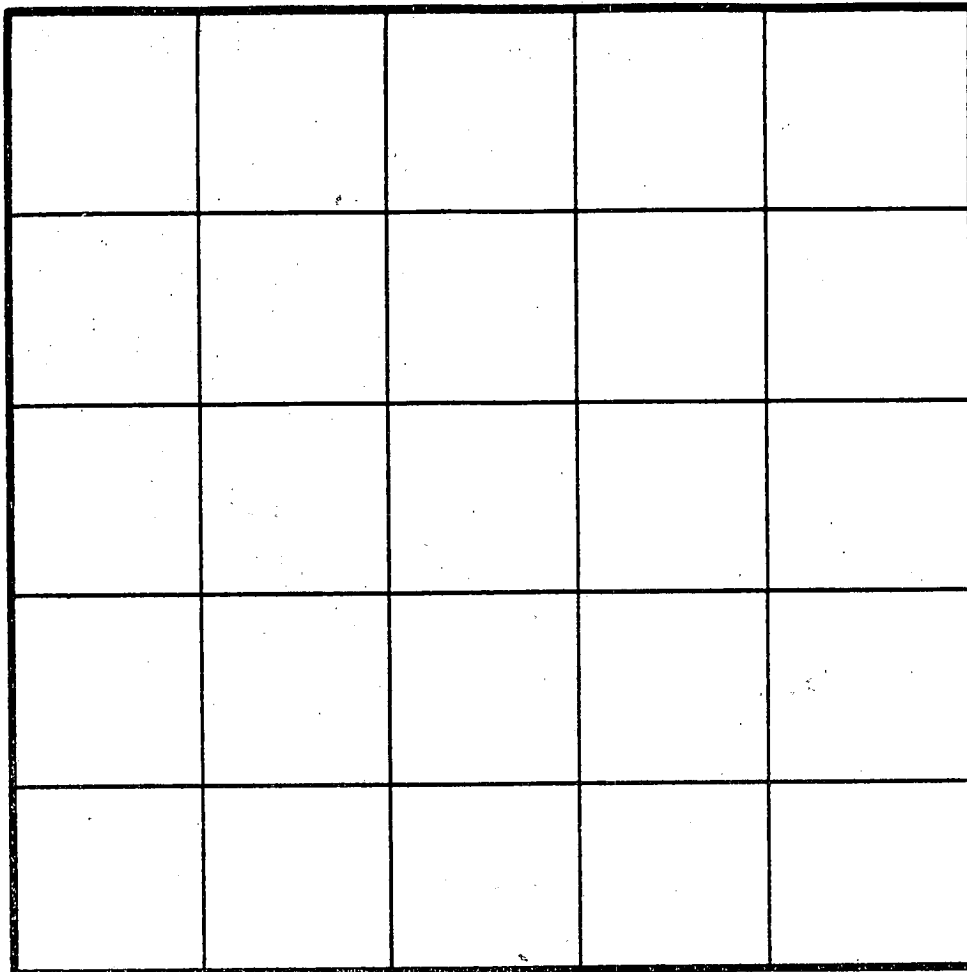
THIS IS NOT A PERMIT

VISUAL

⑥

SOIL PROFILE

0' Red/brown clay
3' red/brown sandy loam
8 1/2' hard rock frags mixed w/ sandy loam
12'D



⑧+⑨

fairly uniform tan/brown sandy/silt loam (little clay)



H₂O table 12 1/2' + 10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

⑦

red/yellow clay
tan/red brown silty sand loam
11 1/2'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/15/80	④	4 1/2' M	224	226	226	229	3 MIN
		11'D bottom (see profile)					
	⑤	VISUAL					
		11'D (see profile)					
	⑥	VISUAL					
		12'D (see profile)					
	⑦	VISUAL					
		11 1/2'D (see profile)					
	⑧+⑨	VISUAL					
		H ₂ O at 12 1/2' + 10' respectively					

NOTE Holes # 8 + 9 could be used but would recommend shallow system only due to H₂O table

TYPE OF SOIL

TESTED BY

B Nyman

ALSO PRESENT

138

$$2 + 3 \quad 4\frac{1}{2}$$
$$138 \text{ 21} + 5 \text{ 12}$$

12th Dec

⑦ red/brown
sandy/clay

fine sand 432
tan powdery
sandy/silt loam



55	1min	2min	4½	87
				87

55 2min 85 3min 1k 17

② Red clay
to yellow clay
1-1/2'

$$\begin{array}{r} 864 \\ 1152 \end{array}$$

yellow/brown/red/brown
silty sandy

426
360

10' 50"

12

steady
slope

prop'd

$\approx 40^\circ \checkmark$

180

high hole

37
3
11 11

206 211 219 12

206 213 208 52

City

↑ = 4
electrons

low. 1/2
puck

$$H_2O \rightarrow H$$

gentle slope

50

Red / yellow
clay to clay loam

— 4 1/2'

Red silty clay
loam

DEAD END

ALL SHIPS

⑦ Red yellow
clay 3
tan red brown
silty sand
loam

1 1/2'

⑥ visual

red/brown
clay 3"

⑤ visual

Red/brown
clay loam
5-10% small
rock frags

~4 1/2' ↓

11'D

hard rock frags = 8 1/2'

↓

mixed w/ sandy loam

12'D

④ 224 227 233 1 1/2'

224 226 228 229 4 1/2'

Red brown clay loam
3 1/2'

Red brown to yellow
brown sandy clay
loam

Small frag hard rock
~11'

B 1 4419 <small>SEQUENCE NO. (OEP USE ONLY)</small> <small>(THIS NUMBER IS TO BE PUNCHED IN COLS: 3-6 ON ALL CARDS)</small>	STATE OF MARYLAND PERMIT TO DRILL WELL <small>please print or type</small>	OEP PERMIT NUMBER H0-81-1568 <small>fill in this form completely</small>
Date Received: 01/01/86	B 3 3 LOCATION OF WELL <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Howard </div> <small>8 COUNTY</small> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 23 SUBDIVISION </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">SECTION</div> <div style="border: 1px solid black; padding: 2px;">LOT</div> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 52 NEAREST TOWN </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">MILES FROM TOWN (enter 0 if in town)</div> <div style="border: 1px solid black; padding: 2px;">MI</div> </div>	
OWNER INFORMATION <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 15 Last Name </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 36 Street or RFD </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 57 Town </div>	DRILLER INFORMATION <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Driller's Name </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Firm Name </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Address </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Signature </div>	
B 2 2 WELL INFORMATION <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> APPROX. PUMPING RATE (GAL. PER MIN.) </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) </div>	B 4 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) <div style="text-align: center;"> </div>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT-ONLY) </div> <div style="width: 50%;"> <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) </div> <div style="width: 50%;"> <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) </div> <div style="width: 50%;"> <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) </div> <div style="width: 50%;"> <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) </div> </div>	NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> COUNTY NAME </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> OEP SIGNATURE </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> DATE ISSUED </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 2px;">NORTH GRID</div> <div style="border: 1px solid black; padding: 2px;">EAST GRID</div> </div>	
APPROXIMATE DEPTH OF WELL 500 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">BORED (or Augered)</div> <div style="border: 1px solid black; padding: 2px;">JETTED</div> <div style="border: 1px solid black; padding: 2px;">Jettied & DRIVEN</div> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">AIR-ROTARY</div> <div style="border: 1px solid black; padding: 2px;">AIR-PERCussion</div> <div style="border: 1px solid black; padding: 2px;">ROTARY (Hydraulic Rotary)</div> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">CABLE</div> <div style="border: 1px solid black; padding: 2px;">REVERSE-ROTARY</div> <div style="border: 1px solid black; padding: 2px;">Drive-POINT</div> </div>	REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL </div> <div style="width: 50%;"> <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED </div> <div style="width: 50%;"> <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY </div> <div style="width: 50%;"> <input type="checkbox"/> THIS WELL WILL DEEPEIN AN EXISTING WELL </div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) </div>	
Not to be filled in by driller (OEP USE ONLY) <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> APPROP. PERMIT NUMBER </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> FORCE </div>		
SPECIAL CONDITIONS		

7/17/86

8 bags cement
33' casing (2' above)
28' open hole

already
grouted
(apparently) 7/15

Location - as decided
from time of perc
test - OK

H₂O sample taken
7/17/86 (H9809)

C1 33596

SEQUENCE NO.
(OEP 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 36738

DATE Received
[] [] [] [] [] []
8 13

DATE WELL COMPLETED
07/15/86
15 20

Depth of Well
400
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-81-1568
28 29 30 31 32 33 34 35 36 37

OWNER
last name first name
HOBBS CHARLES

STREET OR RFD
TALL SHIPS LN

TOWN
COOKSVILLE

SUBDIVISION SECTION LOT

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	2	
Clay	2	4	
Shale	4	10	
Sand Stone	10	28	
Mica	28	185	
Mica & Flint	185	150	✓
Mixed			
Mica	150	400	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL
CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 82 NO. OF POUNDS 800

GALLONS OF WATER 40

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 28 ft.
(enter 0 if from surface)

CASING RECORD

casing types
insert
appropriate
code
below

STEEL ST CONCRETE CO
PLASTIC PL OTHER OT

MAIN CASING TYPE
Nominal diameter top (main) casing (nearest inch)
Total depth of main casing (nearest foot)
ST 16 33

OTHER CASING (if used)

each casing diameter depth (feet)
inch from to

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
below

STEEL ST BRASS BR OPEN HOLE HO
BRONZE HO
PLASTIC PL OTHER OT

C2

DEPTH (nearest ft.)
40 31 400

EACH SCREEN
23 24 26 30 32 36
38 39 41 45 47 51

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 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)

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

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 32
WHEN PUMPING 153

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 (CIRCLE) (YES or NO) 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)
+ above
- below
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)

50' well
left to line
750'
Tall ships

11/1/86 8:30 8:00

Page 1 of 1
Date 11/15/86

Review 9-23-86 ok
S. Abel

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1568
Location of property (road) Tall Ships
Subdivision _____ Lot _____ Block _____ Plat _____ Sec. _____
Well Driller Gen. Easterday Owner Charles Holbe

Depth of well 400 ft. 1.56 PM
Distance of measuring point (M.P.) above ground 2 Feet
Static water level (S.W.L.) below M.P. 32 FT

High rate pumping -- reservoir drawdown

Time pump started 8:30 10:00 Pumping rate 12 GPM
Total time 30 min to reach pumping water level 172 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 time to fill gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:30	172	45 sec	Pump Set	1 1/2
10:45	157	45 sec		1 1/2
11:00	154	20 sec	AT 300 FT	3
11:15	153	19 sec		3 1/2
11:30	153	18 sec	Denny	3 1/2
11:45	153	18 sec		3 1/2
12:00	153	18 sec		3 1/2
12:15	153	18 sec		3 1/2
12:30	153	18 sec		3 1/2
12:45	153	18 sec		3 1/2
1:00	153	18 sec		3 1/2
1:15	153	18 sec		3 1/2
1:30	153	18 sec		3 1/2
1:45	153	18 sec		3 1/2
2:00	153	18 sec		3 1/2
2:15	153	18 sec		3 1/2
2:30	153	18 sec		3 1/2
2:45	153	18 sec		3 1/2
3:00	153	18 sec		3 1/2
3:15	153	18 sec		3 1/2
3:30	153	18 sec		3 1/2
3:45	153	18 sec		3 1/2
4:00	153	18 sec		3 1/2
4:15	153	18 sec		3 1/2
4:30	153	18 sec		3 1/2

4/27/87

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

New Installation ☒
Replacement ☐

Receipt # 39252
Date 4/24/87

Name of Installer R.A. WOOD PLUMBING

Telephone 381 4823

License number MD 7040

Certified Well Pump Installer ☐ Well Driller ☐ Registered Plumber ☒

Name of Property Owner HOBBS Telephone 997-5828

Subdivision Lot # Well tag # H0-81-1568

Site Address 14051 TALLSHIRE DR
GLENWOOD MD 21728

Pump

1. Type
 - a. Deep well jet ☒
 - b. Shallow well jet ☐
 - c. Submersible ☒

Motor

1. Horsepower 1 HP
2. RPM 1750
3. Voltage
 - a. 110
 - b. 220 ☒

Pitless Adapter

1. Make GOULD
2. Model # 10EH
3. Depth 3'

2. Make GOULD
3. Model # 10EH
4. Capacity 2 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 40 Other CABLE TIES

Tank

1. Capacity 4.5 gpm
2. Pressure relief valve? 75 PSI

Piping

1. Type POLYBUTYLENE
2. Size 1"
3. NSF and/or BOCA Code approved yes
4. Depth of supply line 2.95'

Well data

1. Depth 400 ft.
2. Yield 30 GPM
3. Static water level ft.
4. Will water supply be disinfected by installer? yes

4/27/87 Pitless well line AT 50" below GRADE; INSIDE WORK NOT COMPLETE SIGH

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).

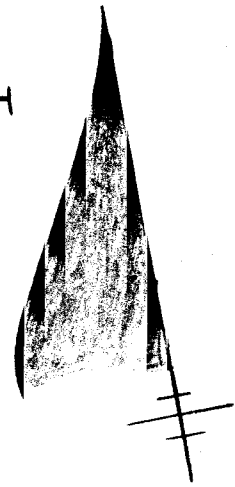
All information given above is true to the best of my knowledge.

Signature of Applicant: Roy A Wood

Date: 04-24-87

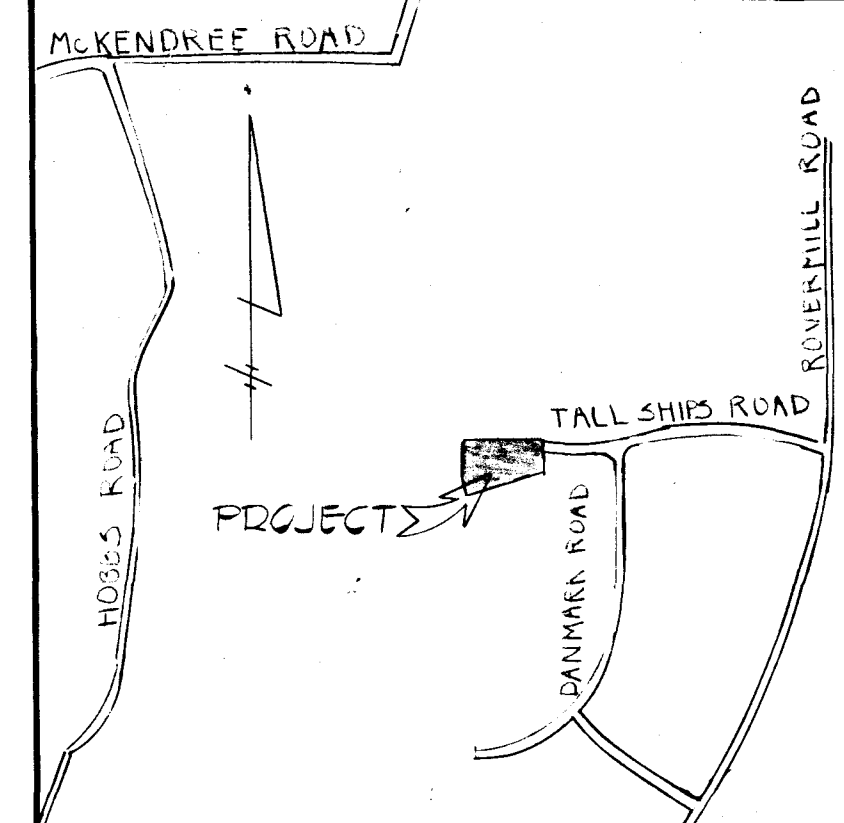
Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

NORTH

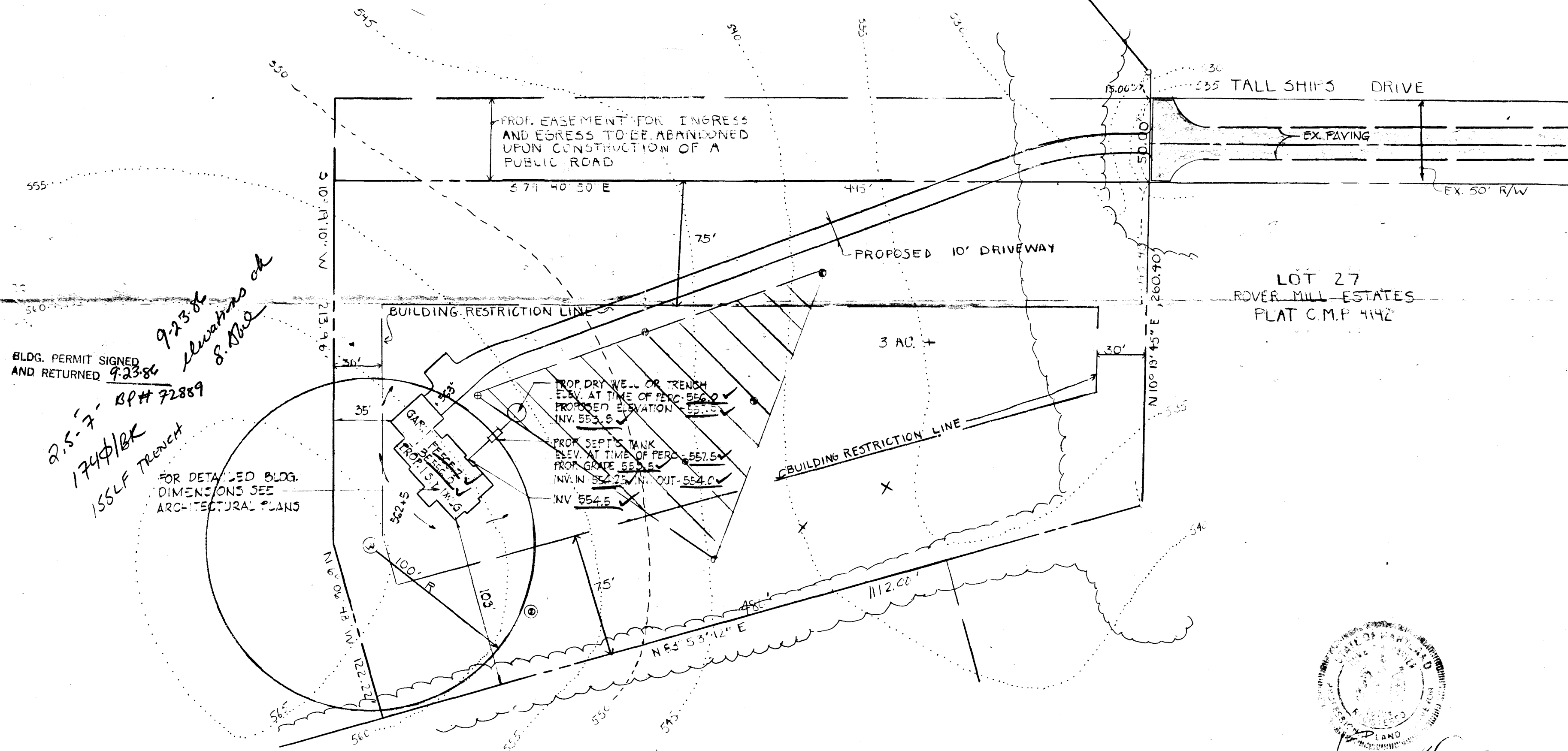


NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
3. SUBJECT PROPERTY ZONED "R" PER 8/2/85 COMPREHENSIVE ZONING PLAN.
4. PERCOLATION AREAS AND WATER WELLS FOR ADJOINING LOTS WILL BE SHOWN WHERE PERTINENT.



VICINITY MAP
SCALE 1" = 1200'



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

James B. Fisher 6-4-86
COUNTY HEALTH OFFICER DATE

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
2588 COURT AVENUE
ELICOTT CITY, MARYLAND 21043

LEGEND

- DENOTES LOCATION OF DWELLING
- ⊙ DENOTES PROPOSED WELL
- ⊙ DENOTES FIELD LOCATION OF PERC HOLES

- ⊙ DENOTES UNUSED PERC HOLES
- X DENOTES BAD PERC HOLES

PROPERTY OF
CHARLES A. HOBBS
246/92



Ronald S. Carter
5/26/1986

PROPERTY OF
CHARLES A. HOBBS
246/92

REV. 2/22/86 RAISE SEPTIC SYSTEM E.C. CHOICE
REV. 2/86 PERC. PLAN PERC. HOLES