

5/13/83
5/20/83
A.M. Please

APPROVED
5/20/83
RH
P 32779
A 29651

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

03-308189

INDEX

ELLICOTT CITY

DISTRICT 3rd

DATE

Jack Fyock

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, Md. 21737 PHONE 988-9270

SUBDIVISION Slack Estates ROAD 1950 St. James Road LOT 13

PROPERTY OWNER Robert L. Bennett, Inc.

ADDRESS 390 River Road, Sykesville, Maryland 21784 Phone: 442-1270

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

GARBAGE GRINDER? YES ☐ NO ☐

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Minimum square feet for 4 bedrooms is 720 sq. ft. Trench to be 2 ft. wide. Inlet 3 1/2 ft. below original grade. ~~XXX~~ Bottom maximum depth 10 ft. below original grade. Effective area begins at 6 ft. below original grade. 5 1/2 ft. of stone below distribution pipe. NOTE: NO TRENCH TO EXCEED 100 FT. IN LENGTH. IF MORE THAN ONE TRENCH USED, A DISTRIBUTION BOX IS REQUIRED. TRENCHES TO BE INSTALLED ON LEVEL GROUND. Locate the first trench 115 ft. from the left side line and 125 ft. from the front lot line. Proceed to dig trench on level ground towards St. James Road. Place second trench parallel and 12 feet away from first trench.

5/17/83 Inlet 5 1/2' OK F.S.

PLANS APPROVED BY Frank A. Skinner

DATE 1/25/83

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE YEARS.

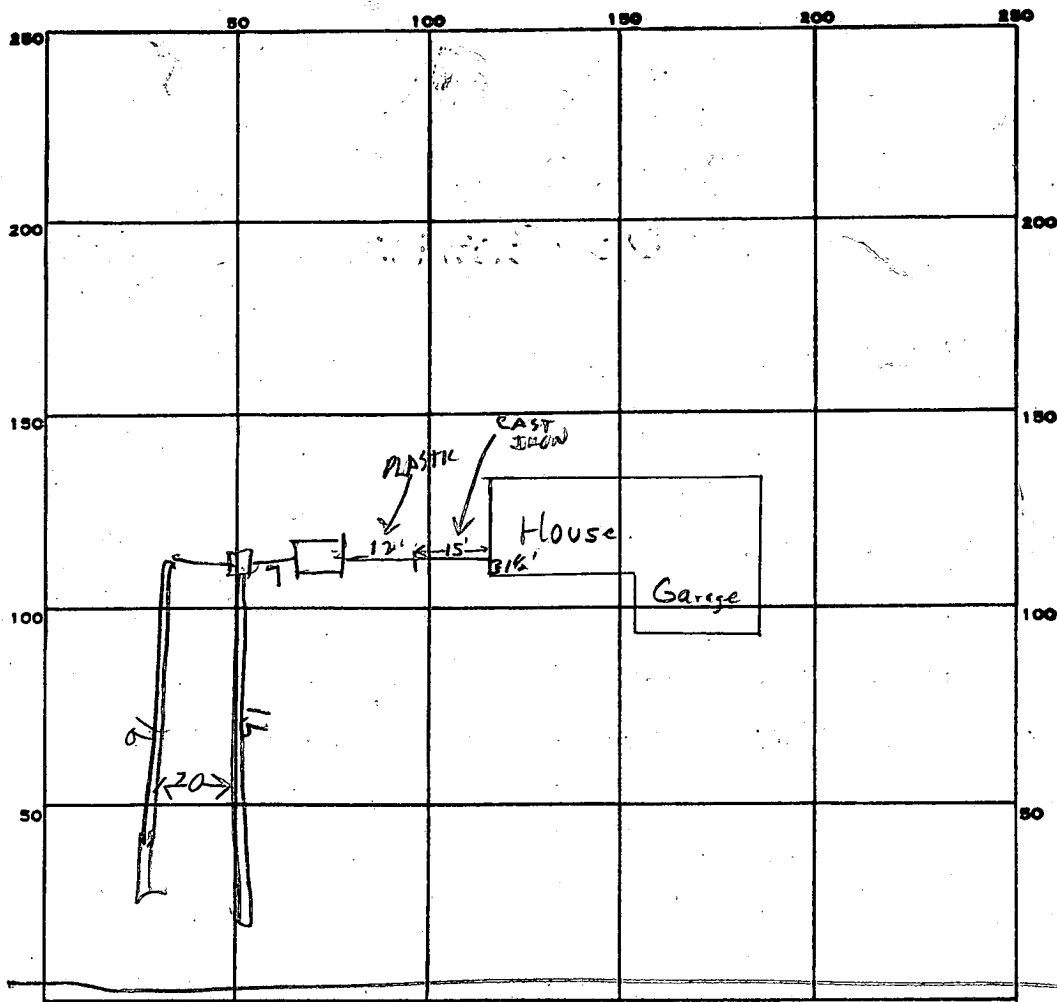
NOTE: INSTALL STAND-PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 29651



PERMIT CARD ✓

SEPTIC TANK, LEVEL OK, 1500 gal
TOP 2-3 FT BELOW GARAGE

CLEANOUTS OK

DISTRIBUTION BOX, LEVEL OK

TILE FIELD, DEPTH #1 10 #2 10 FT. TRENCH WIDTH #1 1 #2 1 FT.

GRAVEL DEPTH #1 13 #2 5 IN. TOTAL LENGTH 91 FT.

NUMBER OF TRENCHES 2

TOTAL BOTTOM AREA

#1	#2
453	455
364	364

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 5/13/83 1st 15' of cast iron pipe out of house OK to cover F.S.

5/14/83 OK to complete 1st trench F.S. per I.C. of York

5/19/83 910 SQ FT TOTAL ONE SIDE AREA BOTH TRENCH

BUT ONLY 728 SQ FT BECAUSE EFFECTIVE AREA

ONLY BELOW TOP 6 FT 720 SQ FT REQUIRED

FOR 4 BED ROOMS OK TO ADD STONE & FINISH JOB. RA

CW WILLIAMS

DATE SYSTEM APPROVED

5/20/83

INSPECTOR

5/20/83

Subdivision: Slack Estates

Lot # 1

A29651

Jack Lynch
installer

TRENCHES

180 sq ft / bdrm

	<u>Septic Tank</u>	<u>Minimum Total Sq. Ft.</u>
3 bdrm	1000 GAL.	
<u>4 bdrm</u>	1250 GAL.	<u>720</u> SQ. FT.
5 bdrm	1500 GAL.	

TRENCH 2 ft. width

Inlet 4 1/2 ft below original GRADE

Bottom MAXIMUM Depth 10 ft below original GRADE

EFFECTIVE AREA BEGINS AT 6 ft below ORIG. GD.

5 1/2 ft OF STONE below distribution pipe.

NOTE: ① NO TRENCH TO EXCEED 100 ft IN LENGTH

② IF MORE THAN ONE TRENCH USED, A distribution BOX IS REQUIRED

③ TRENCHES TO BE INSTALLED ON LEVEL ground.

Location: Start to dig the first trench 115 feet from the left side line and 125 feet from the front lot line. Proceed to dig trench on level ground towards St. James Road. Place second trench parallel and 12 feet away from first trench.

APPLICATION

SEWAGE DISPOSAL TESTING

A 29651

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.

*includes 3' Septic Tank { 1-3' Bedrooms 1000 gallons
4 Bedrooms 1250 gallons
3rd*

Dry well to have 150 yft. DISTRICT

effective absorbent sidewall area per bedroom below first 6' of original soil. Unit 3' below original grade and maximum depth 12'

DATE

4/3/79

for dry well location: 115' off left property line and 125' from front property line when facing lot from St. James Road.

BLDG. PERMIT SIGNED

AND RETURNED 1/24/83

Small 52410 S.F.D.

1/17 Dry Well & Trench: 1/17 trench used - need:

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN O

PROPERTY OWNER Slack property

Robert L. Bennett, Inc

*Mr. Young, Security Develop-
ment - 465-4244-442-1270*

ADDRESS

890 River Road

Lylesville, Md 21754

PROPERTY LOCATION:

SUBDIVISION Slack Estate

LOT NO. 1

ROAD AND DESCRIPTION

Route 99

*Manorville Rd.
1950 St. James Road*

*(1) 5' south buffer
between trench & dry well
(2) 2 inspections of trench
before and after stone
(3) Run trenches on
contour*

SIZE OF LOT 3 acres m/1

TYPE BLDG. 3 or 4 bedrooms

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 /s/ Stewart Young for Security Development

APPROVED BY C. B. Vrecker

FOR

Dry well & 100' trench

DATE

12/29/80

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

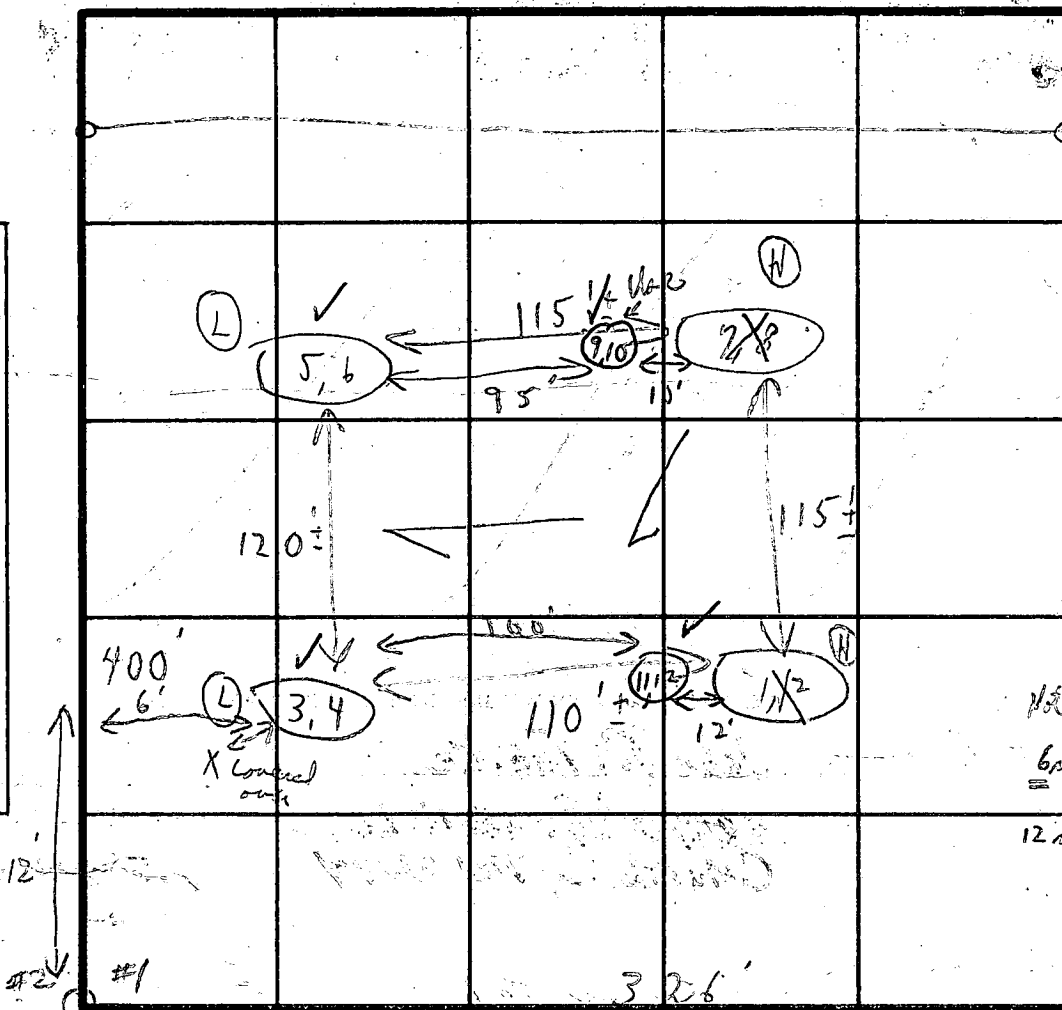
DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

SOIL PROFILE

Below
clay
Vandy
mika
loam



Field
sheet
Facts
as
per
Ishe
#132

380' Ry

1st	2nd	3rd	4th
6' 7'	11	12	12
13	12	10	12
13	12	10	12

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/14/77	1	3 1/2'	9:49	9:54	9:54	10:01	
	2	12 1/2'	9:49	9:54	9:54	9:59	5m
	3	3'	9:51	9:56	9:56	10:06	
	4	12 1/2'	9:51	9:53	9:53	10:05	12m
	5	3 1/2'	10:10	10:13	10:13	10:23	10m
	6	12 1/2'	10:07	10:15	10:15	10:34	19m
	7	3 1/2'	9:55	10:12	10:12	10:12	12m
	8	13'	10:37	10:40	10:40	10:54	14m
	9	5 1/2'	10:26	10:27	10:27	10:44	17m
	10	4'	10:20	10:27	10:27	10:44	17m
	11	6'	10:37	10:42	10:42	11:13	31m
	12	6'	12:13	12:18	12:18	12:28	10m
	13	14 1/2'	1:14	1:17	1:17	1:22	5m

150' 4ft
bedroom
(3' chert 4')
wood ground
6'
maximum
depth
fall in
little
fine
orange
on time
12 min

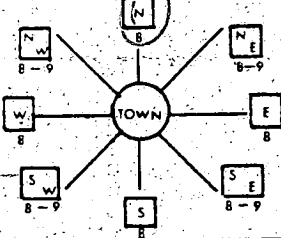
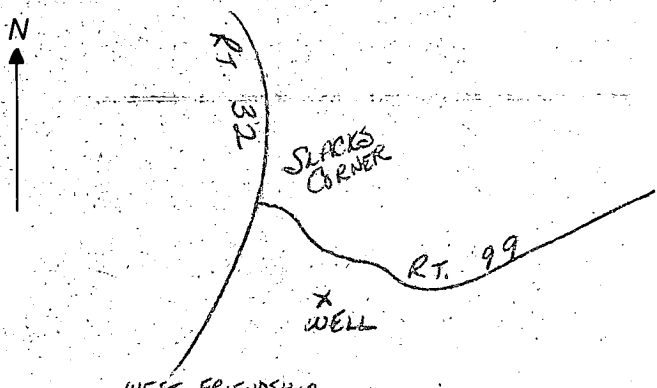
REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

Tests on ocean floor
Hold for supervisor
C. B. V.
Mr. Paul Schindler
4:00

B 1 7205	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER HO-73-4157 fill in this form completely
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			
Date Received 1/13/83 9:30 A.M. OWNER INFORMATION Last Name 15 M. X. L. E. Y. Owner JAMES 34 Name NORMANDY SHOPPING CT Street or RFD 36 EL L I C O T T C I T Y 55 MD 56 21043 Town 57 State 76 Zip		B 3 LOCATION OF WELL COUNTY HOWARD 21 SUBDIVISION SLACK ESTATES 42 SECTION 1 44 46 48 50 NEAREST TOWN WEST FRIENDSHIP 52 MILES FROM TOWN (enter 0 if in town) 2 73 76 77 78	
B 2 Continued DRILLER INFORMATION Driller's Name GEORGE F. EASTERDAY 77 License No. 80 40 Firm Name L.F. EASTERDAY, INC. Address 9265 BROWN CHURCH RD. Mt. Airy, Md Signature George F. Easterday 4/5/82 Date		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NEAR WHAT ROAD Rt. 99 30 DISTANCE FROM ROAD 100 34 37 38 39 (CIRCLE APPROPRIATE BOX)	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 600 14 20 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)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 810 5 N 540 0 Location OK 89' - casing 2' - above gr. 60' - open 26' - bag cement 1/13/83 JS	
APPROXIMATE DEPTH OF WELL 150 24 FEET 28 APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
METHOD OF DRILLING (circle one) BORED (OR AUGERED) JETTED JETTED & DRIVEN 30- ☒ AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC ROTARY) 37 CABLE REVERSE ROTARY DRIVE POINT other		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME HOWARD COUNTY NO. A29651	
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 39 ☐ 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) 41		OEP SIGNATURE George F. Easterday DATE ISSUED 04/19/82 CO SIGNATURE NORTH GRID 540 EAST GRID 0815 EXPIRES 10/19/82	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP 54 63 FORCE FS WRITE INITIALS IN BOX PERMIT No. HO-73-4157 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS 8-63 1 2 3 6	

(TWO) HOWEVER THE COUNTY HEALTH OFFICE SHALL HAVE THE AUTHORITY TO GRANT
EXEMPTIONS FOR ENCOUNTERMENT IN THE PRIVATE SENIORS BOARDROOM
RECOGNITION OF A MODIFIED SENIORS AGREEMENT SHALL NOT BE NECESSARY

[illegible]

ON TO
16C

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT MAPS HEREIN ARE CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LAND WHICH BY DEED DATED MARCH 9, 1970 & RECORDED AMONG THE PUBLIC RECORDS OF HENNEPIN COUNTY IN BOOK 9177 PAGE 174, WAS CONVEYED BY TO AND L. CLARK, LTRD ET AL. L. CLARK, THAT ALL REQUIREMENTS ARE IN PLACE AS HEREIN IN ACCORDANCE WITH THE ANNOTATED CODE OF MINNESOTA AS ENACTED.

Walter P. Paul

WALTER P. PAUL
REG. PROF. L.S. 00794

[illegible]

RECORDED IN PLAT NUMBER 4997
ON 11-12-84 AND IN THE LAND RECORDS
OF HOWARD COUNTY, MARYLAND

FINAL PLAT

BLACK ESTATES

3RD ELECTION DISTRICT
HOWARD COUNTY, MD.

TRA 9, AREA 1 & 2A

RECORDED 25, 1984. ACC-E. 1" x 10"

ENGINEERS
WILLIAM H. GILES, INC.
220 E. BAYVIEW AVE.
ANNAPOLIS, MD. 21403

Md Route 99

S 83° 28' 00" E

355.28'

S 83° 01' 00" E
35.35'

LOT 1 3.00 ac

100' FRL

494

492

490

488

486

484

482

480

478

476

474

120'

120'

TRENCH

N 07° 59' 00" E

310.76'

St James Road

N 82° 01' 00" W

404.00'

HOUSE:

FIRST FLOOR	494.0
BASEMENT	485.0
INVERT	483.56

SEPTIC TANK:

EXISTING GRADE	488.0
PROPOSED GRADE	487.0
INVERT IN	483.35
INVERT OUT	483.10

DISTRIBUTION BOX:

EXISTING GRADE	486.0
PROPOSED GRADE	486.0
INVERT	483.0

TRENCH:

WIDTH	2'
LENGTH	100'
INVERT	482.8
STONE	6'
BOTTOM	473.8

I certify the above measurements are actual and true for this property.

J. Carl Hudgins
J. Carl Hudgins

PLOT PLAN

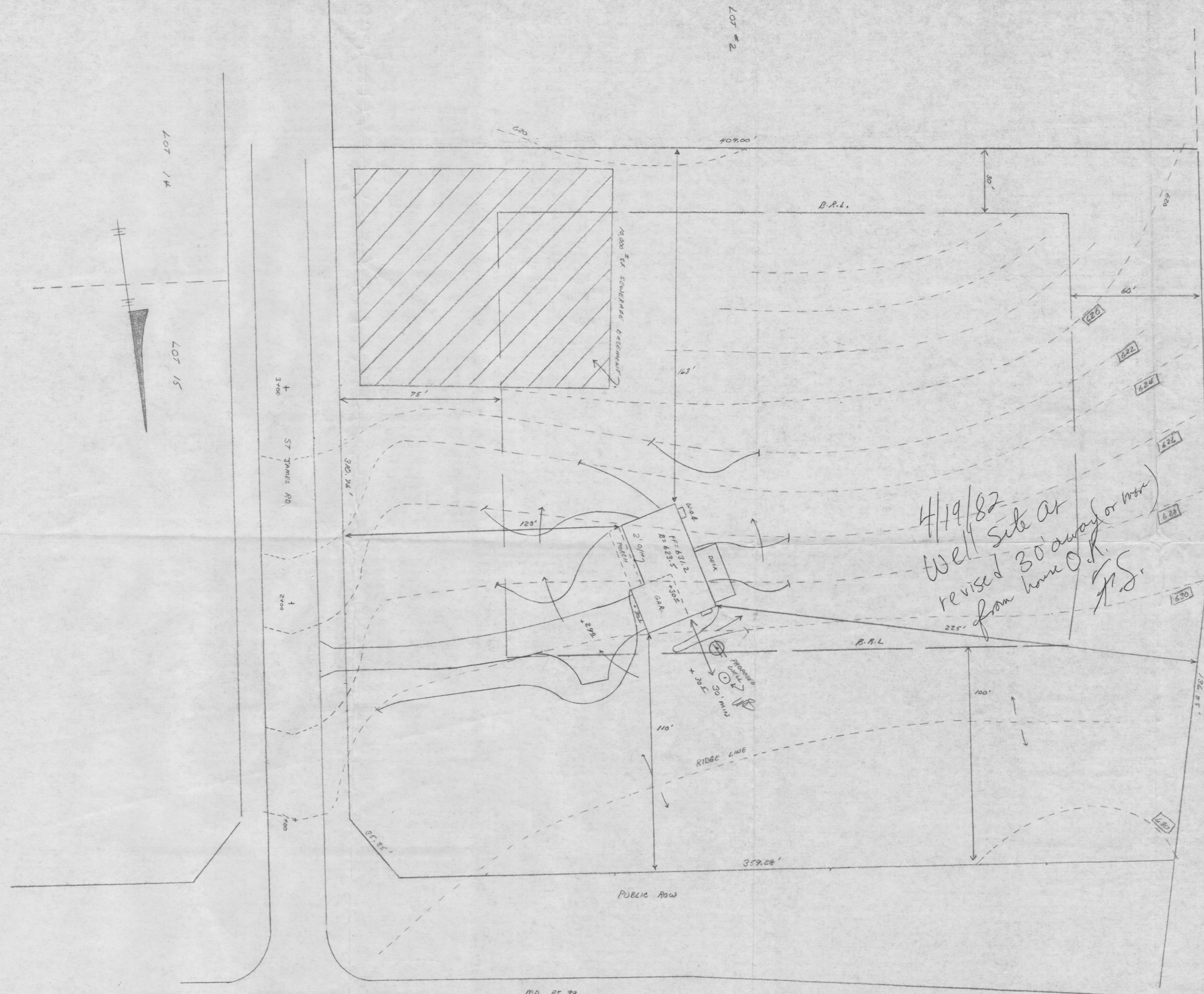
LOT # 1

SLACK ESTATES

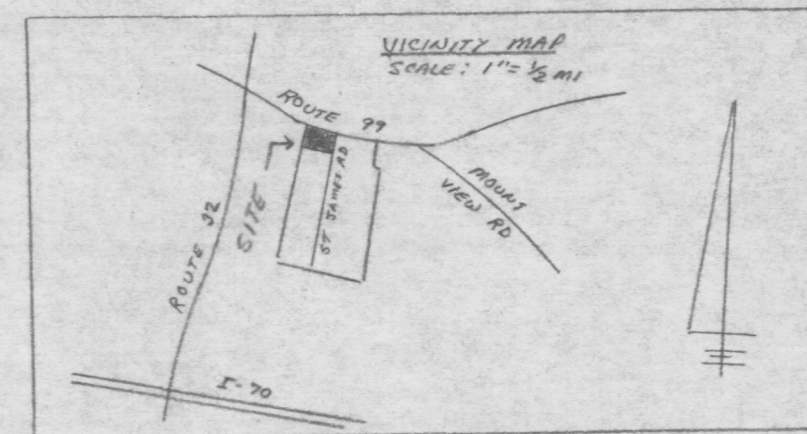
3rd ELECTION DISTRICT
HOWARD COUNTY MARYLAND
SCALE 1"=50' DATE 1/17/83

1/25/83

Drawing to be
revised C. Hudgins
informed today
J.C.H.



GEO. W. SLACK ET. AL.
LOT 5-A



GEO. W. SLACK ET. AL.
7/10/58

GEO. W. SLACK
5/14/89

ZONE: RURAL (MIN. 8 AC. LOT SIZE)
CONTOUR INT: 2'
SETBACKS: AS SHOWN
EXISTING CONTOUR
PROPOSED CONTOUR
DIRECTION OF DRAINAGE
SPOT ELEVATION +20'

RECORDED AS PLAT # 4736 ON
NOVEMBER 12, 1980

PLOT PLAN
LOT # 1, SLACK ESTATES
3RD ELECTION DISTRICT
HOWARD COUNTY, MD
TAX 9, PARCEL # 24
APRIL 19, 1982 SCALE 1" = 80'

GRADER
STEVENSONS HOMES, INC.
P.O. BOX 785
SYKESVILLE, MD 21784

Geo. W. Slack
STEVENSONS HOMES

Md Route 99

S 83° 28' 00" E

355.28'

S 83° 01' 00" E
351.35'

LOT 1 3.00 ac

100' BRL

494

492

490

488

486

484

482

480

478

476

474

120'

120'

75' BRL

#1 100 LF
#2 80 LF

153'

N 07° 59' 00" E

310.76'

St James Road

N 82° 01' 00" W

404.00'

HOUSE:

FIRST FLOOR	494.0
BASEMENT	485.0
INVERT	483.56

SEPTIC TANK:

EXISTING GRADE	488.0
PROPOSED GRADE	487.0
INVERT IN	483.35
INVERT OUT	483.10

DISTRIBUTION BOX:

EXISTING GRADE	486.0
PROPOSED GRADE	486.0
INVERT	483.0

TRENCH:

	#1	--#2
WIDTH	2'	2'
LENTH	100'	80'
INVERT	482.8	480.7
STONE BOTTOM	6'	6'
	473.8	471.7

1/26/83
Sketch OK.
J.S.

I certify the above measurements are actual and true for this property.

J. Carl Hudgins
J. Carl Hudgins

PLOT PLAN

LOT # 1

SLACK ESTATES

3rd ELECTION DISTRICT

HOWARD COUNTY MARYLAND

SCALE 1"=50' DATE 1/17/83

3149

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE COMPLETED
45 DAYS AFTER WELL IS COMPLETED.(THIS NUMBER IS TO BE PUNCHED
IN COLUMNS 3-6 ON WELL CARDS)COUNTY
NUMBER

A 29651

Date Received
(OEP use only)

DATE WELL COMPLETED

01/13/83

Depth of Well

400

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

HO-73-4157

OWNER

Mortley BENNETT

James ROBERT

STREET OR RFD

Mt. Rd. 9900 RIVER RD

TOWN West Friendship Sykesville

SUBDIVISION

Slack Estates

SECTION

LOT

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)FEET
FROM TOCheck
if water
bearing

Topsoil 0 2
Brown Mica 2 74 ✓
Mica 74 93
Brown Mica 93 96 ✓
Mica 96 114
Brown Mica 114 115
Mica 115 300
Mica schist 300 400

WELL HAS BEEN GROUTED
(Circle Appropriate Box)YES ☒ NO ☐

TYPE OF GROUTING MATERIAL

CEMENT ☒ BENTONITE CLAY ☒

NO. OF BAGS 26 NO. OF POUNDS 2100

GALLONS OF WATER 130

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 60 ft.

48 TOP (enter 0 if from surface) 54 BOTTOM 58 ft.

CASING RECORD

casing types
insert
appropriate
code
below

ST

STEEL

CO

CONCRETE

PL

PLASTIC

OT

OTHER

MAIN
CASING
TYPENominal diameter
top(main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

ST

6

89

EACH
CASING

OTHER CASING (if used)

diameter

depth (feet)

inch from to

SCREEN RECORD

screen type
or open holeinsert
appropriate
code
below

ST

STEEL

BR

BRASS

HO

OPEN

BRONZE

HOLE

PL

PLASTIC

OT

OTHER

C 2

Seq. no.

DEPTH (nearest ft.)

EACH
SCREEN

HO

8.7

400

1

2

3

4

5

6

7

8

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Page 1 of 1
Date 1-17-83

Review 1/31/83 OK F.S.

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4157

Location of property (road) _____

Subdivision Slack Estates

Lot 1

Block _____

Plat _____

Sec. _____

Well Driller _____

Owner James Moxley

Depth of well 400

260

Distance of measuring point (M.P.) above ground +2

Static water level (S.W.L.) below M.P. 54

I. High rate pumping -- reservoir drawdown

Time pump started 9:00

Pumping rate 10 gpm

Total time 60 MIN to reach pumping water level 236 ft. below M.P.

pump set at 350'

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 #1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:00	236	30		2
10:15	236	30		2
10:30	236	30		2
10:45	236	30		2
11:00	235	30		2
11:15	234	30		2
11:30	230	30		2
11:45	230	30		2
12:00	230	30		2
12:15	231	30		2
12:30	232	30		2
12:45	231	30		2
1:00	230	30		2
1:15	229	30		2
1:30	229	30		2
1:45	229	30		2
2:00	229	30		2
2:15	230	30		2
2:30	229	30		2
2:45	229	30		2
3:00	229	30		2
3:15	230	30		2
3:30	230	30		2
3:45	229	30		2