

04-328493

8-3-90 Need to test pumps. JEN

PERMIT

45881
45887
A 09019

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 5/8/90

DATE SYSTEM APPROVED 8/31/90

INSPECTOR M. Ripkin

Page #1 of 57
INDEXED
Perched water issues

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION Burntwoods ROAD 140²¹ Celbridge Court LOT 5, Section 3

PROPERTY OWNER Louis Spisso

ADDRESS

INSTALL:

1 system / 180 ft trench
2 @ 90 ft each
Install both systems at same time.

- 1500 Gallon Septic Tank
- 1000 Gallon Pump Chamber
- Alternating Effluent Pumps with Alarms (See Attached for Complete Detail)
- 3 Bedrooms

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet ^{2 1/2} 3.0 feet below original grade. Bottom maximum depth ^{2 1/2} 4.0 feet below original grade. Effective area begins at 3.0 feet below original grade. ⁶⁰ 16 feet of stone below distribution pipe.

LOCATION - Place the distribution box ¹⁰⁵ 105 feet from the right (192') lot line and ⁶⁰ 40 feet from the rear (272') lot line as seen when facing the property from Celbridge Drive. Run trenches along contour toward Celbridge Court.

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

PLANS APPROVED BY C. Williams ir DATE 2/01/90

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

ORIGINAL PERMIT SIGNED AND RETURNED 8-19-90

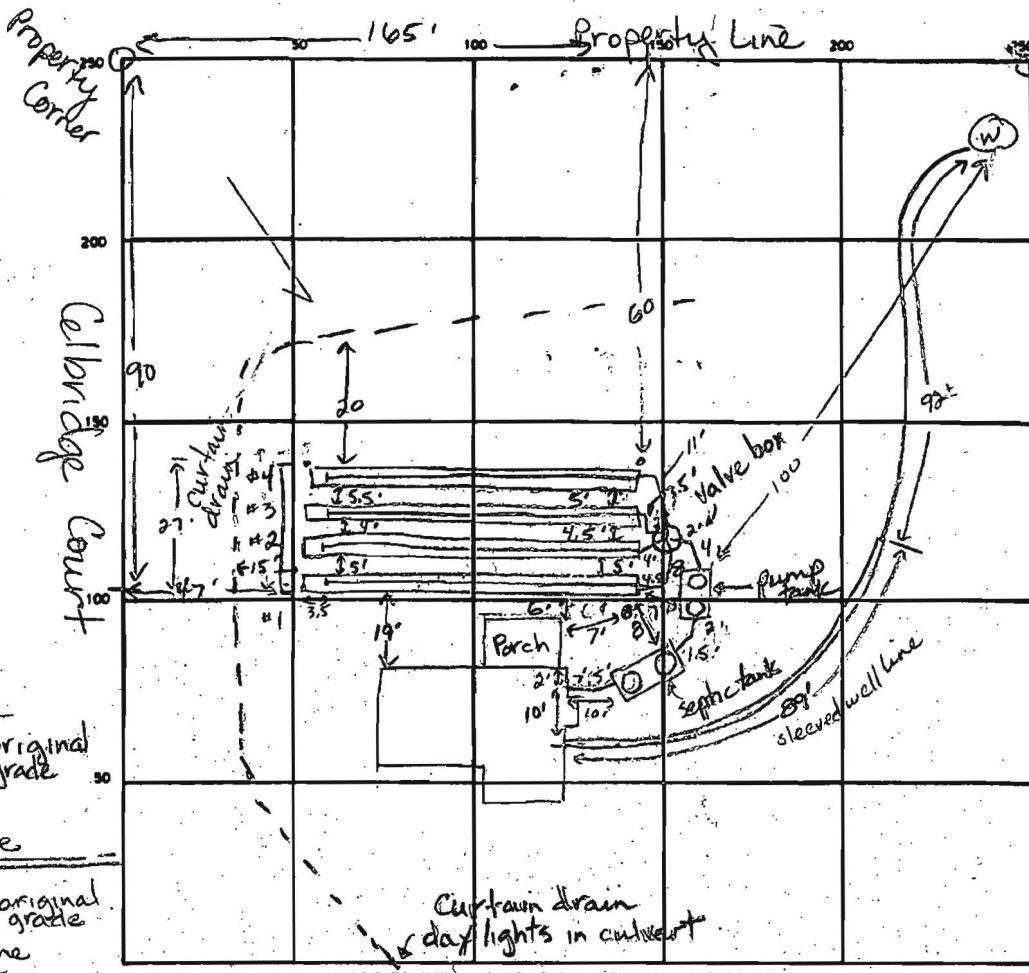
Serial # BM 5738
deck

45887

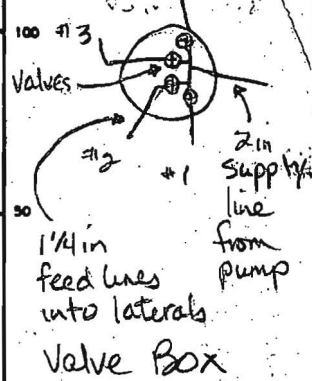
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

7-20-90
8-10-90
8-30-90 9:30
8-2-90 am
8-7-90 am/pm



well Ho 88-0864
 Observation port 5' below bottom of trench
 4 ft slotted in stone 1 ft below trench. Total pipe 9' 4" from top of coupling.



Lower end
 +1.0 fill original grade
 1.0 stone
 1.5 pipe
 3.0 stone

Upper end (To be cut 2 ft)
 +1.0 fill original grade
 3.0 stone
 3.5 pipe
 5.0 stone

SEPTIC TANK LEVEL 1500 gal, pump tank 1000 gal CLEANOUTS 4 manholes (2/tank) va.
 DISTRIBUTION BOX LEVEL Value box set so upper trenches #4 & 3 run first, #2 & 1 closed.
 DRAIN FIELD/TILE FIELD. DEPTH 3' to 5' FT. TRENCH WIDTH 3 FT. INLET DEPTH 1.5 to 3.5 FT. 1 ft of fill at lower end of bed.
 EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 102 102 102 102 * 90' pipe in each trench
 NUMBER OF TRENCHES 4 ONE SIDEWALL (BOTTOM AREA) 306 306 306 306 50 FT. 1 ft ± fill at upper end of bed.
 DRYWELL INSIDE DIAMETER #1 & 2 #3 & 4 FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 62 617 SO. FT.

REMARKS 7-20-90 Issued stop work order. House location not per plans. JEN 11:50 am
 7-30-90 OK to set tank & pump pit. JEN 7-31-90 OK to lay filter cloth over trench #1, leave ends open. JEN. 8-1-90 OK to add stone and pipe to trench #2, leave ends open. JEN. 8-2-90 OK to cover trenches #1 & 2 JEN. 8-3-90 OK to cover trench #3. JEN 8-3-90 OK to cover all work. Pumps need to be tested to prove working order. JEN 8/31/90 Pump float OK / alarm float OK
 DATE SYSTEM APPROVED 8/31/90 INSPECTOR Mr. Riskin other alarm float not operating - Bldr to investigate & CALL

9-26-96 25.00 REPAIR FEE PAID BY CHECK # 3017.88

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-317440

P 57295

A REPAIR

DISTRICT _____

DATE 9-27-96

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

DATE SYSTEM APPROVED _____

INSPECTOR _____

INDEXED to

Neighbor
14021 Celbridge Dr.

Fyock

IS PERMITTED TO INSTALL _____ ALTER

ADDRESS _____ PHONE _____

SUBDIVISION Burntwoods LOT 6 ROAD 14016 Celbridge Court

PROPERTY OWNER Mr. and Mrs. Harry Henderson

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS (Recommend 2 chamber 1500 gal S.T. plus 1000 gal Pump Chamber)
Top second only.

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180 (if 3 ft wide - collapse up to a 6 ft wide bed)

REPAIR - PURPOSE - SEPTIC SYSTEM HAS FAILED.

Call for inspection when ground is opened so sanitarian can recommend repair. 09/16/96

Install 540 sq ft of intrans surface drainfield system - 180 ft of 3 ft wide trench, 2 ft deep.
Trenches Max bottom of trench at 5 1/2 ft below grade from top of 1st floor. Use 2 ft gravel fill.
Pump system & controls repaired. Max top of tank set no deeper than 4 ft (3 ft below) below grade of S.T. tank.
Abraham Bill, Sanitation S.T. & Leaching Field. R/P 12/18/96
Provide opportunity to Reserve Existing Leach Bed for future use after a suitable Rest Period.
PLANS APPROVED BY Abraham Bill DATE _____

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**

HD-260(8-90)

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

P57295

12/18/96 AP
Test Hole AA

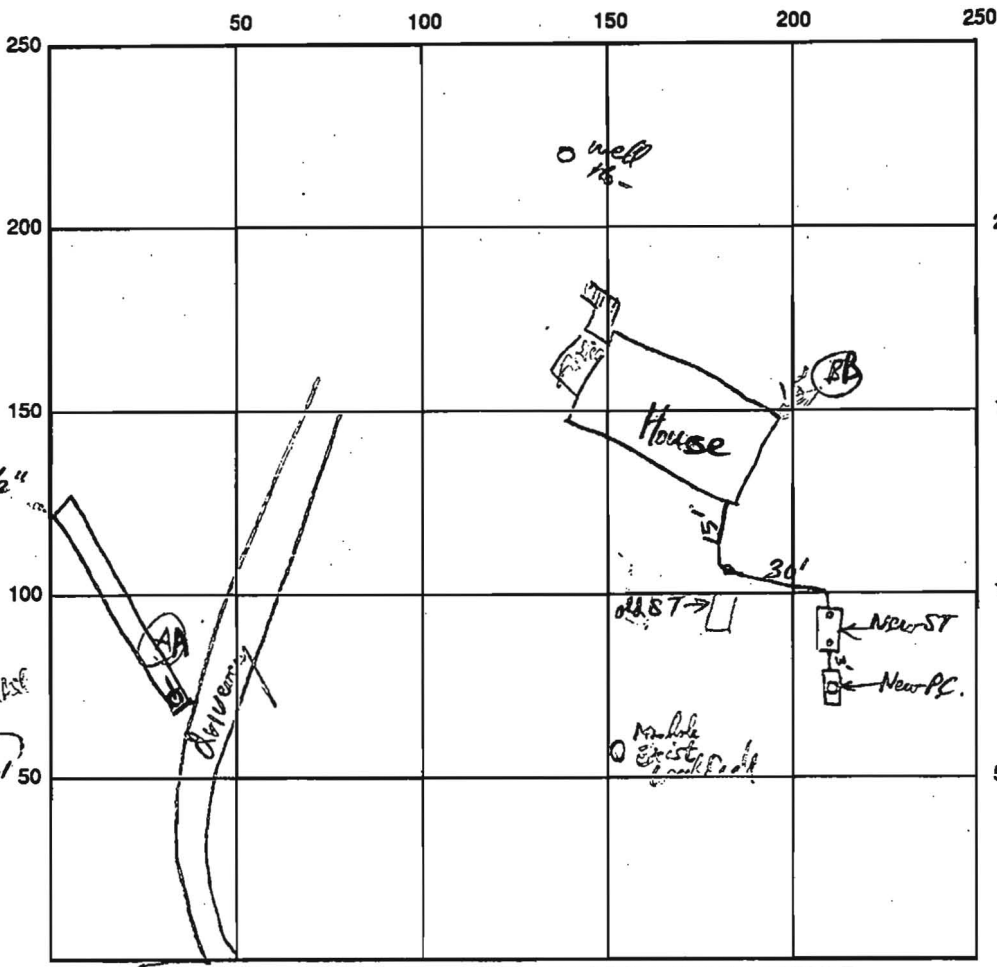
4' top soil sil
yell sil
orange sil
5' orange sil
v F Hilt
v F SL

9 1/2' Pale yellow/orange
limestone & shell
fragments

11' water source
@ Bottom of hole 8 1/2"

4 1/2' per 5 min 11:22
Nail holes 11:30
5 1/2' 11:38
15' 11:43
20' 11:52
9-10' @ 5 1/2'

10' 11:52
10'



Test Hole BB
(For New ST, PC)
Location
Unbleached paper
(6 1/2' x 4 1/2')
4' Sil
Tan # Pale sandstone
8' Sil (platy)
yell brown orange
sil
red + orange
k L sil
4' Mix 1/2 red/orange
k brown
5' (water source)
(water source)
Mottled pale green
red purple &
heavy black core
6' S. sat top scan
ST + PC & lids
at 3-4' below loc of
probe near Hole B

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Celbridge Ct

SEPTIC TANK LEVEL 1500 gal top scanned 2 chamber
Pump Chamber 1000 gal top scanned

CLEANOUTS ST into out, PC (2-2 1/2' cover) (3' cover)

DRAIN FIELD/TITLE DEPTH 5 1/2 FT. TRENCH WIDTH 7 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 76 FT.

NUMBER OF TRENCHES 0 OR ONE SIDEWALL/BOTTOM AREA 532 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: Set Tank + Pump Chamber set OK, cleanouts OK, Need to set Manhole Riser set OK to
Cover Tanks + supply lines. R/P 12/30/96 Trench right OK to cover, single inlet pipe (4") set of a single
28" wide riser pipe (black plastic). Need to connect 2" pipe to do pump test. set 1/3/97 R/P

DATE SYSTEM APPROVED

INSPECTOR

12/10/99 No pump test as of this date - file indexed - system not approved A



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

September 27, 1996

Mr. and Mrs. Harry Henderson
14016 Celbridge Court
Glenwood, Maryland 21738

Burntwoods Lot 6

RE: Repair of Failing Septic System
14016 Celbridge Court

Dear Mr. and Mrs. Henderson:

A percolation test was performed for soil evaluation to repair the existing failing septic system at the above referenced property on September 24, 1996. The results of that test indicate a high water table and slow percolation times concluding that a conventional repair option does not appear feasible.

The close proximity of your existing water well and an adjacent water well severely limits the area available for percolation testing.

While this office is investigating innovative and alternative septic repair options, you are advised to disconnect your existing septic tank from the rest of the system. This action will allow the septic tank to function as a holding tank requiring regular pumping. This necessary procedure will eliminate sewage and groundwater backflow to your basement and eliminate the sewage discharge to the water table.

If you have any questions relative to this matter, please contact Ron Pinkley, R.S., at this office. Mr. Pinkley will be evaluating your property and the percolation test results for innovative and alternative septic repair design.

Very truly yours,

Glen Savage, Sanitarian
Water and Sewerage Program

GS:jr

cc: Jenkins Brothers
File

Bureau of Environmental Health
3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544
Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644
Food Protection Program (410) 313-2642 TDD (410) 313-2323