

7/10/95
9:00
5:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50790I
A REPAIR

DISTRICT _____
DATE 7/24/95

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 313-2640

DATE SYSTEM APPROVED 7/11/95
INSPECTOR DKS

INDEXED

Jack Fyock Septic Service IS PERMITTED TO INSTALL _____ ALTER X

ADDRESS _____ PHONE 988-9270

SUBDIVISION _____ LOT _____ ROAD 3404 Sharp Road

PROPERTY OWNER James and Susan Bauer

ADDRESS 3404 Sharp Road
Glenwood, Maryland 21738

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 4

125 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED _____

REPAIR - PURPOSE - TO ENLARGE SEPTIC SYSTEM CAPACITY TO ACCOMMODATE THE INTERIOR ALTERATION IN BASEMENT FOR 2 ADDITIONAL BEDROOMS, RECREATION ROOM AND FAMILY ROOM. (Propose building permit). Existing hdr to be converted into office

Call for inspection when ground is opened so sanitarian can recommend repair. 06/06/95

Install 2 trenches off existing drywell along the left property line, along contour.

trench inlet 4'-5' / bottom 10'-11' / slope 6.

PLANS APPROVED BY [Signature] DATE 7/11/95

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.

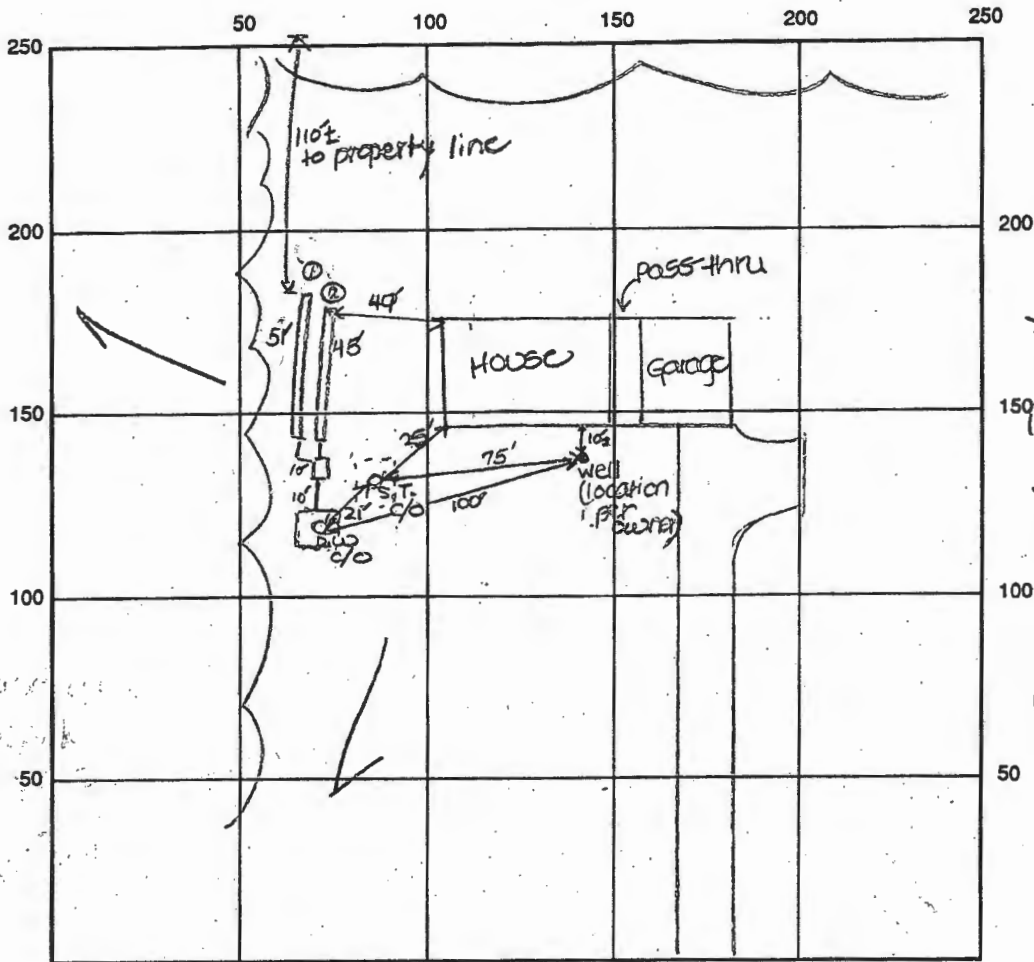
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BLDG. PERMIT SIGNED
AND RETURNED 7/11/95
Serial # 60877

Interior Alterations
Basement

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

P 50790I



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Sharp Road

Burntwoods Road

SEPTIC TANK LEVEL Existing CLEANOUTS are on st., one on d.w.

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 10/10 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4/5 FT.

EFFECTIVE GRAVEL DEPTH 6 FT. TOTAL LENGTH (11 51') (2 45) FT. → 96' total

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 576 SQ. FT.

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

ABSORBENT AREA 576 SQ. FT. + Existing

REMARKS: 7/11/95 A.M. OK to begin trenches and continue. DKS

7/11/95 P.M. Final - OK to cover all work. DKS

*Well casing not visible - location per previous drawing. DKS

DATE SYSTEM APPROVED 7/11/95 INSPECTOR [Signature]

4/5/02
PM

04327691

PUB. SEWER STATUS VERIFIED BY NA -

ISSUE DATE: 4/05/2002

APPROVAL DATE: 4/5/02

PERMIT INDEXED

50790-I
P NO FEE
A Repair

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Road PHONE NUMBER: 410-795-5670

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 3404 Sharp Road PROPERTY OWNER: ~~James Bauer~~ R EARLE JOHNSTON II

SEPTIC TANK CAPACITY (GALLONS): 1500

PUMP CHAMBER CAPACITY (GALLONS): NA

NUMBER OF BEDROOMS: 4?

SQUARE FEET PER BEDROOM: NA

LINEAR FEET OF TRENCH REQUIRED: existing

TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	
PURPOSE:	Septic tank has collapsed. Call for inspection when ground is opened so sanitarian can recommend repair.

PLANS APPROVED: Mark Rifkin DATE: 4/15/02

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

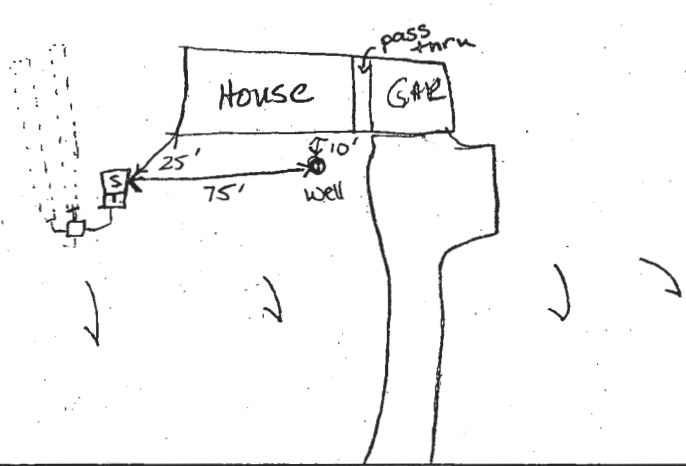
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
BUILDING PERMIT SIGNED AND RETURNED
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

10-7-04 800 150592 - Sewer Room Kitchen Expansion

50790-I

NOT TO SCALE

INDEXED



TRENCH DATA existing

TRENCH WIDTH _____

TRENCH INLET DEPTH _____

TRENCH BOTTOM DEPTH _____

DEPTH OF STONE _____

NUMBER OF TRENCHES _____

TOTAL TRENCH LENGTH _____

ABSORBENT AREA _____

DISTRIBUTION BOX LEVEL _____

BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1500 TS GALLONS

MANHOLE RISER center?

6 INCH INSPECTION PORT ?

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS NA

MANHOLE RISER NA

ALARM NA

PUMP PERFORMANCE TEST NA

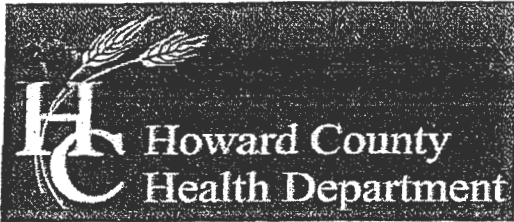
PRE-CONSTRUCTION INSPECTION: Sharp Road

INSPECTION COMMENTS: 4/5/02 New topseam tank, 1500 gal Babylon, replaced metal tank. Existing dry well filled in. Trenches still like new - previous contractor had distribution box AT HIGHER elevation than septic TANK OR DRY well, Trenches and distribution box were lowered \approx 10" for flow into trenches (Kb/mr)

BUILDING PERMITTED AND RETURNED

INSPECTOR Mark Ruffin (SRK)

REPAIR DATE SYSTEM APPROVED 4/5/02



Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
 www.hchealth.org
 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 3404 Sharp Rd.

Subdivision: _____ Lot: _____

2,1,5	Initial system:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>6</u>	Bottom maximum depth: <u>8</u>
2,3,5	1 st Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>6</u>	Bottom maximum depth: <u>8</u>
5,3,4	2 nd Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>6</u>	Bottom maximum depth: <u>8</u>

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D + W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Variance request required if area within 25ft of greater than 25% slopes is needed. Test hole 4 is in greater than 25% slopes.

Approved: *[Signature]* Date: 1/7/2019

Freemon, Robert

From: Freemon, Robert
Sent: Wednesday, January 23, 2019 4:25 PM
To: 'crcengr2@comcast.net'
Cc: 'mizan.g@gmail.com'
Subject: 3404 Sharp Rd.
Attachments: Memo.pdf

Hi,

I spoke with Jeff Williams about the issue regarding the capacity of the existing septic system. He informed me that the additional 16ft needed to complete a 500gpd system will not be waived. Reasons being that even though it is 16ft, that 16ft translates into 128sqft of absorption area missing from a system intended to be used for an assisted living facility. Also the specs drawn up from the recent perc are generous towards the existing system when compared to the results from hole #1. Additionally the county is already willing to grant a waiver to the 100ft setback between the well and septic tank along with possibly granting one for the steep slopes. If you would like to discuss this matter further I would suggest contacting my supervisor directly since I do not have authority to grant waivers.

Jeff Williams

jewilliams@howardcountymd.gov

410-313-4261

Robert "Spencer" Freemon
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
Bureau of Environmental Health
Well and Septic Program
Phone: 410-313-6357
Email: rfreemon@howardcountymd.gov
Website: <https://www.howardcountymd.gov/Departments/Health/Environmental-Health/Well-and-Septic>

I have attached additional "rough" calculations of the capacity of the existing trenches located on the 3404 Sharp road

based on the recent perk tests and the as-built plans of the existing system prepared HCHD.

Based on the as-builts the bottom of trench #1 is at 11" and the bottom of trench #2 is at 10'. So, I used depth of stone trench #1 at 5" and depth of stone Trench #2 at 4'. My rough comps. indicate the capacity of the existing system at

459 gals./day or 92% of the desired capacity and would require only an additional 8.6' of trench to reach 500 gals./day

Based on the attached calculations, I request you grant a waiver from the need for the additional trench and grant

approval of 500 gals./day capacity for the existing system at 3404 Sharp Road.

We appreciate the health departments concern over the condition of the existing trenches. We cannot certify the condition of the existing system or how long it will provide satisfactory service. However, the perk certification plans does provide for 500 gpd. replacements systems and the owner is aware that the existing system will need to be replaced at some future time. We believe should satisfy the departments concerns.