

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

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

RECEIPT DATE: 5/28/2015 **ONSITE SEWAGE DISPOSAL SYSTEM** P 556466
 APPROVAL DATE: 6/24/15 SEC **PERMIT:** **REPAIR** A Repair
 PROPERTY ADDRESS: 12050 Old Frederick Road
 SUBDIVISION: Peddicord Property LOT: 4 TAX ID: 3307581
 CONTRACTOR: Hatfield's Equipment EMAIL: _____
 CONTRACTOR ADDRESS: P.O. Box 519 Annapolis Junction, MD 20701 PHONE: 301-490-4289
 PROPERTY OWNER: Sally Hebner EMAIL: shebner@enterprisecommunity.com
 OWNER ADDRESS: 12050 Old Frederick Road PHONE: 410-772-2683

SEPTIC TANK SIZE (GALLONS): 1500 PUMP CHAMBER CAPACITY (GALLONS): 1250 PUMP SIZE: 1/2HP
 NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. <3500 APPLICATION RATE: 0.8
 DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED * Myer Pump

TRENCHES:	LINEAR FEET REQUIRED: <u>214</u>	INLET DEPTH: <u>3'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>7'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5'</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Set new tanks in front part of house away from ex. Cesspool. Keep 2" F.M. 12" below water line and sleeved. Install 3x72' trenches on contour at highest part of property close to Perc Hole J (3-26-03). May need double check valves at tank and half way thru F.M. Existing Cesspool to be pumped and collapsed. Ex. Well (HO-73-3465) abandoned. To be sealed per Homeowner request prior to final approval of septic permit.	

ISSUED BY: K. Wolf ISSUE DATE: 6/16/2015 EXPIRATION DATE: 6/16/2016

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E _____
- NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	3'	7'
NUMBER OF TRENCHES		3
TOTAL LENGTH		218'
ABSORPTION AREA		354' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		NO
DISTRIBUTION BOX PORT		YES

See As-Built Drawing
On Separate Sheet

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes
 MANUFACTURER Babylon
 CAPACITY 2000 GAL
 SEAM LOC Top
 TANK LID DEPTH 1.5-2.5'
 BAFFLES Yes
 BAFFLE FILTER No
 MANHOLE LOC Front+Rear
 6" PORT LOC None
 WATERTIGHT TEST No
 SLOTTED Yes
 DATE ON LID Dry

PUMP/SEPTIC TANK LEVEL

MANUFACTURER Babylon
 CAPACITY 1250 GAL
 SEAM LOC Top
 TANK LID DEPTH 1.5-2.5'
 BAFFLES Front
 BAFFLE FILTER No
 MANHOLE LOC Front+Rear
 6" PORT LOC None
 WATERTIGHT TEST No
 SLOTTED No
 DATE ON LID 11/15/2014
 Pump 1/2 HP WES-11

ROAD NAME

PRE-CONSTRUCTION:

6/11/15 met w/ contractor (Ken Sr) on site. Have tentative location to trenches and tanks. Ex. disposal to be pumped/collected. Explained to owner that ex well must be sealed if not in use. Contractor/owner wants to run f.m. under ex. Pub H₂O line in front of property parallel w/ ex. gravel drive. (Ken) 6/16/15 met on site w/ Jeff R. w/ Hatfield confirmed location of trenches and tanks. Install 3x 72' trenches as

INSTALLATION: painted out in field just below wooded area @ high part of yard. 1/2 HP pump should be fine. (Ken)

6/22/2015 Tanks installed. House connection made. Working on pump line. Is pump line near road on property? (SB) 6/23/15 T1 dug and left open, Hatfield's digging T2 +

using laser. D-box installed and all 2" f.m. installed from tank to D-box. 2' wide 3' to stone. (SC) 6/23/15 T2 finished + left open. Hatfield's will dig T3 + leave open

at ends to protect from rain tonight. (SC) 6/24/15 T3 finished + left open. Pump works - flow at D-box verified. Alarm in basement works Pump + alarm on separate

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 6/24/15

circuits. Drywell and well both abandoned. T3 is shorter than T1 + T2 b/c short on stone. (SC)

↳ 16' depth

ELEVATION SPECS COMING OUT OF HOUSE

12050 OLD FIBER RD

~ 450' of 2" pvc line

~ 5 bends @ various friction

coefficients < 20% ↑ in head pressure

TD# 1524'

size pump w/ TD# @ 20gpm

settling tank

settling tank 3' 15"

out of pump into 3" 3' 3"

3.0'

out of pump Tank 3.8

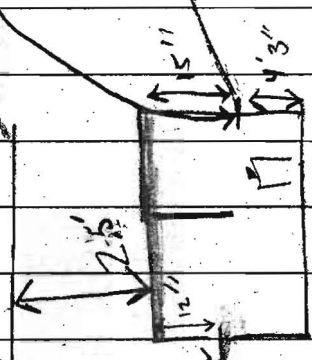
1" pipe on bed grade

1-20% fall

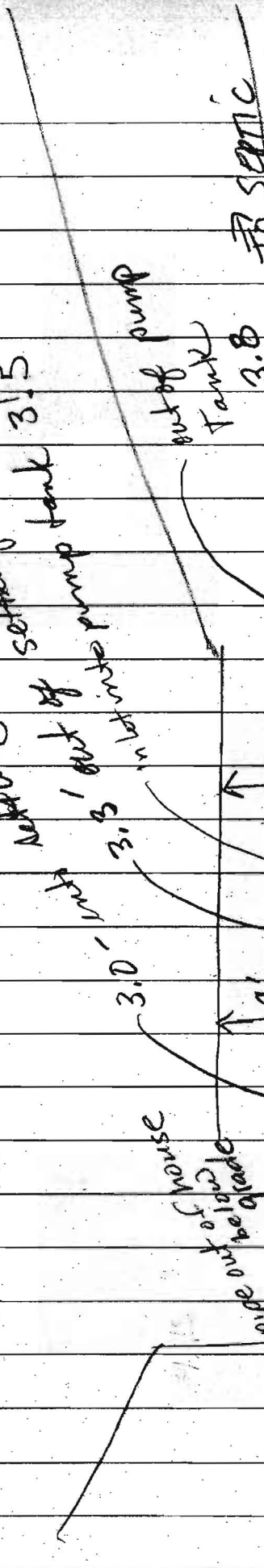
15'

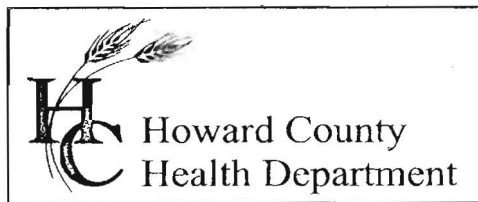
1/4" fall per foot

drop 1" per foot



SEPTIC FIELD





3525 H Ellicott Mills Drive, Ellicott City, MD 21043

(410) 313-2640 Fax (410) 313-2648

TDD (410) 313-2323 Toll Free 1-866-313-6300

website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

May 19, 2003

John and Sally Hebner
12050 Old Frederick Road
Marriottsville, MD 21104

RE: Septic Repair Evaluation Request
Peddicord Property, Lot 4
12050 Old Frederick Road

Dear Mr. and Mrs. Hebner:

On March 26, 2003, a septic system repair evaluation was conducted for the above referenced property. At the time of the septic repair evaluation, the current system appears to be IN the water table, which reaches 9 feet below grade. Additional testing holes are not acceptable due to consistent water level measurements at 9 feet as well as an average of 6 feet of clay loam from grade. Soils approximately 300 feet from the house appear marginally acceptable with water table indications around 10 feet. Note that the marginally acceptable soils are located approximately at the same land elevation as the adjacent lots 2 and 3 of the Peddicord Property.

At this time, your options are a pump system, reaching to the marginally acceptable soils located behind the barn, further testing for a sand mound system in the upper layer of the clay soil, or a holding tank. According to our records and the existing design of your septic system, your system is over 80 years old. Correctly functioning septic systems have a useful expectancy of approximately 25 years. Because of the high water table on your property and the "lack" of failure of the original septic system, it is safe to assume that the effluent is running into the water table. The septic system needs to be fixed as soon as possible.

Also noted, you currently have a well used to fill the recreational pool in your back yard. If you choose to maintain the well, a repair septic site needs to be identified 100 feet away and NOT located directly upslope.

Since some of the potential solutions are complex and costly, this office suggests a pump system to be the least costly solution. Barry Glotfelty, our regional sanitarian, has been notified for his expertise in this matter. If you have any questions, please don't hesitate to call our office at the above number.

Thank you for your attention to this important matter.

Respectfully,

Kacie Noonan, Sanitarian
Well and Septic Program

*owner requested letter with
septic options stated.*

LAYOUT _____ INSP 4 _____

INSP 2 _____ INSP 5 _____

INSP 3 _____ INSP 6 _____

ISSUE DATE: 3/18/2003

PERMIT

P 518580

APPROVAL DATE: _____

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 Rd, Sykesville, MD PHONE NUMBER: 410-795-5670

SUBDIVISION: Peddicord Property LOT NUMBER: 4

ADDRESS: 12050 Old Frederick Road PROPERTY OWNER: Hebner

SEPTIC TANK CAPACITY (GALLONS): 1500 ← OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: (4) 3 EXISTING and 1 ADDITIONAL

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 210

HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 5.5 feet below original grade. 3.5 feet of stone below distribution pipe.
LOCATION:	Place the distribution box 230 feet upslope of the red barn and 20 feet away from the right fence line. Run two 105' long trenches on contour. Begin installation when sanitarian is on site.
NOTES:	Abandon the existing septic system. Attached is a general layout for 2" pressure line up to the septic field with a total length of approximately 480 feet, and another sheet attached shows elevations for tank specs. IDENTIFY PROPER SIZE OF PUMP FOR total dynamic head of 24'@20 GPM. <i>Contractor to verify Elevation change prior to pump installation.</i>

PLANS APPROVED: KN (reviewed with Barry Glotfelty) DATE: 6/4/2003

- 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 UNLESS SPECIFICALLY AUTHORIZED

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 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____	
CAPACITY _____	GAL
SEAM LOC _____	
TANK LID DEPTH _____	
BAFFLES _____	
BAFFLE FILTER _____	
MANHOLE LOC _____	
6" PORT LOC _____	
WATERTIGHT TEST _____	
SEPTIC TANK 2 LEVEL _____	
CAPACITY _____	GAL
SEAM LOC _____	
TANK LID DEPTH _____	
BAFFLES _____	
BAFFLE FILTER _____	
MANHOLE LOC _____	
6" PORT LOC _____	
WATERTIGHT TEST _____	

ROAD

PRE-CONSTRUCTION ⁶⁻⁴⁻⁰³ ~~NOTE~~ → March 26, 2003 Percobation testing. SEE
 field notes and letter dated May 19th for results. ON 4-3-03 Barry
 INSTALLATION Glotfelty visited site to evaluate possible soln's. Pump
 System design criteria done with regional sanitarian, Barry
 on 6-3-03 (KN)

FINAL INSPECTOR _____ DATE OF APPROVAL _____