



**Howard County  
Health Department**

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

**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

RECEIPT DATE: 11/25/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 572874

APPROVAL DATE: 12/16/2020 **PERMIT: REPAIR** A \_\_\_\_\_

PROPERTY ADDRESS: 15521 Cattail Oaks

SUBDIVISION: Peace fields at Cattail Oaks LOT: 11 TAX ID: 04-365186

CONTRACTOR: HATFIELDS EQUIPMENT EMAIL: ken@hatfieldsequipment.com

CONTRACTOR ADDRESS: P.O. BOX 519, ANNAPOLIS JUNCTION, MD 20701 PHONE: 301-490-4289

PROPERTY OWNER: Michael Kukuselid EMAIL: \_\_\_\_\_

OWNER ADDRESS: 15521 Cattail Oaks, Glenwood, MD 21738 PHONE: \_\_\_\_\_

SEPTIC TANK SIZE (GALLONS): 1500 (EX) 2002 PUMP CHAMBER CAPACITY (GALLONS): 1500 (EX) 2002 PUMP SIZE: \_\_\_\_\_

NUMBER OF BEDROOMS: 6 HOUSE SQ. FT. \_\_\_\_\_ APPLICATION RATE: 0.6

DISTRIBUTION SYSTEM: GRAVITY FED  LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>233'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>10'</u>
	MINIMUM SPACE BETWEEN TRENCHES: _____	EFFECTIVE AREA BEGINNING DEPTH: <u>5'</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>6 BL PER REPAIR APP.</u> <u>3 x 2' x 77' TRENCH</u>	

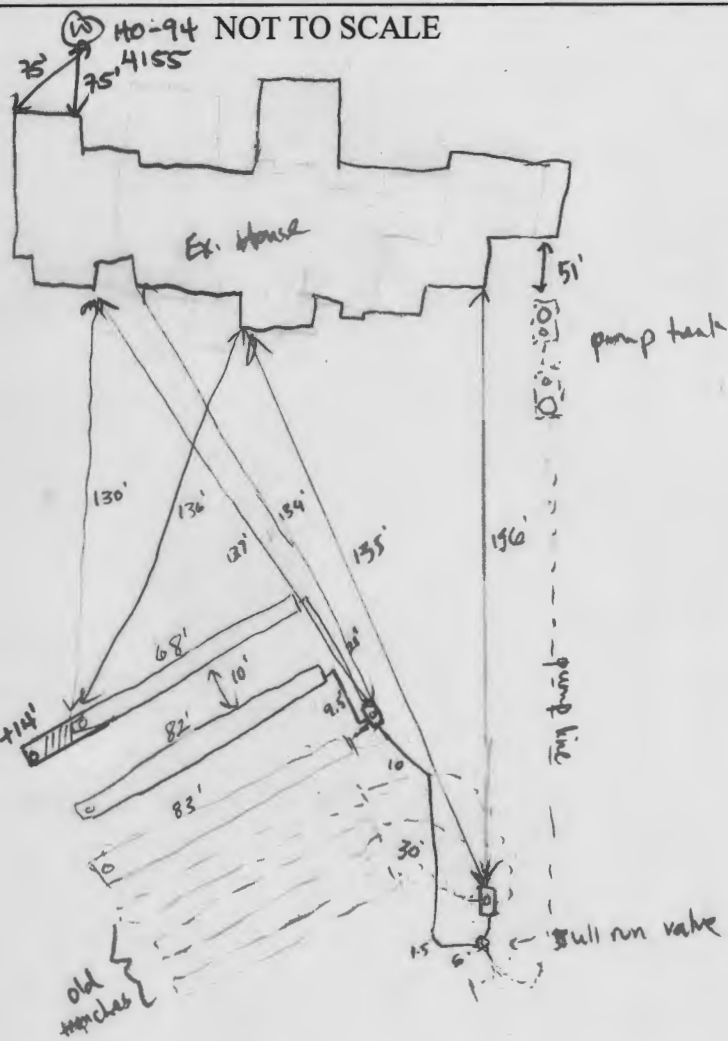
ISSUED BY: CABAHUG 001997 ISSUE DATE: 12/10/2020 EXPIRATION DATE: 12/10/2021

- 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 EXISTING
- 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.**



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
2'	4'	10'
NUMBER OF TRENCHES		3
TOTAL LENGTH		247 F
ABSORPTION AREA		494 SF + SIDE WALL
DISTRIBUTION BOX LEVEL		PUMP
DISTRIBUTION BOX BAFFLE		
DISTRIBUTION BOX PORT		YES

**SEPTIC TANK DATA**

**EXISTING 2002**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

MANUFACTURER \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SLOTTED \_\_\_\_\_

DATE ON LID \_\_\_\_\_

**EXISTING 2002**

PUMP/SEPTIC TANK LEVEL \_\_\_\_\_

MANUFACTURER \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SLOTTED \_\_\_\_\_

DATE ON LID \_\_\_\_\_

ROAD NAME \_\_\_\_\_

**PRE-CONSTRUCTION:**

12/10/2020 LAID OUT 2X 77' TRENCHES; THIRD 77' TRENCH WOULD GO THROUGH DECORATIVE WALL WILL GET BACK TO CONTRACTOR RE LOWER TRENCH.

**INSTALLATION:**

12/11/20 Installed a bull run valve between force main from pump tank and old d-box. Connects to new d-box. Two 77' trenches installed 10' apart. (SI)  
 12/14/2020 TRENCHES COMPLETE; "3" FILL FEATHERED OVER UPPER 2/3 SDA - PREVIOUS SYSTEM AND ADD NEW SYSTEM (2020). 12/16/2020 14' TRENCH ADDED TO LOWER TRENCH UNDER DECORATIVE WALL, MAKING 82' TRENCH. (P)

FINAL INSPECTOR \_\_\_\_\_

*[Handwritten Signature]*

DATE OF APPROVAL \_\_\_\_\_

12/16/2020



**F.00-41**  
**8/14/00**

CATTAIL CREEK  
COUNTRY CLUB  
PLAT No. 9515  
LOT 29

N 584750  
E 178232  
(Meters)  
E 1302250  
106927

**OWNERS**

THOMAS L. ANDERSON AND  
JULIE A. ANDERSON  
3503 ROUTE 97  
GLENWOOD, MARYLAND 21738  
AND  
C.C.O. LLC.  
ATTENTION: MR. MICHAEL PFAU  
6212 DEVON DRIVE  
COLUMBIA, MARYLAND 21044

**DEVELOPER**

C.C.O. LLC.  
ATTENTION: MR. MICHAEL PFAU  
6212 DEVON DRIVE  
COLUMBIA, MARYLAND 21044

CATTAIL CREEK COUNTRY CLUB  
PLAT No. 9515  
LOT 30

PUBLIC FOREST  
CONSERVATION  
EASEMENT (PART  
RETENTION  
AREA = 9.091 A  
CENT

PL  
100  
FLOOR  
DRAIN/  
UTILITY



# Howard County Health Department

Bureau of Environmental Health, Columbia, MD 21045 - 410-313-1771

SEWAGE DISPOSAL PERMIT NO. A- \_\_\_\_\_ P- 572874

RESIDENTIAL PERMIT   
(NUMBER OF BEDROOMS: \_\_\_\_\_)

COMMERCIAL PERMIT   
(DESIGN FLOW: \_\_\_\_\_ GPD)

PERMITEE: Hotfields Equipment  
LOCATION: 0/5521 Catter Oaks

**\*\*POST THIS CARD WHERE IT CAN BE SEEN FROM ROAD\*\***

STOP ALL CONSTRUCTION ON SEWAGE DISPOSAL SYSTEM AND CONTACT HEALTH DEPARTMENT BEFORE CONTINUING

Inspector \_\_\_\_\_

Date \_\_\_\_\_

WORK IS SATISFACTORY, OK TO CONTINUE

Inspector \_\_\_\_\_

Date \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

FINAL INSPECTION MADE, OK TO COVER ALL WORK

Inspector \_\_\_\_\_

Date \_\_\_\_\_

NOTE: This lot appears to lie in an area classified as Zone C, area of minimal flooding, as shown on FIRM MAP of Howard County, Maryland, Community Panel Number 2400440020B, Panel 20 of 45, dated December 4, 1985.

Wall Check: 11-19-01  
Top of Wall Elev.: 548.9

551  
25  
21  
21  
101

Private 30' Use-In-Common Access Easement For Use And Benefit of Lots 12, 13, 14, 15, Parcels B' & C, Maintenance Agreement For Lots 12, 13, 14 Parcel B' Recorded Among The Land Records of Howard County, Maryland.



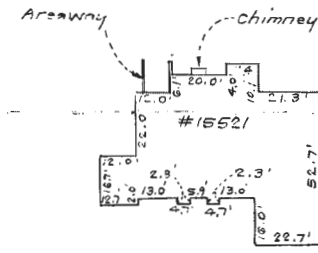
12/5/01  
WALL  
CHECK OK  
HOUSE LOWERED  
IN EL. 1/1"  
MR

N 89° 28' 36" E  
L = 26.17'

R = 70.00' N 16° 36' 54" E  
L = 38.41'  
CATTAIL OAKS

NON-BUILDABLE PRESERVATION PARCEL C

Private Sewerage Easement



SCALE: 1" = 30'

CONSUMER INFORMATION

- 1. This plat is of benefit to the consumer only insofar as it is required by a lender of a title insurance company or its agent in connection with contemplated transfer, financing or refinancing purposes.
- 2. This plat is not to be relied upon for the establishment or location of fences, garages, buildings or other existing or future structures.
- 3. This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.

SURVEYOR'S CERTIFICATE

I hereby certify that a field survey of this property has been made under my supervision for the purpose of locating the improvements shown hereon, and that they are located as shown.

21 Nov 01 *William Shacker*  
DATE



NOTES: 1/16" ± setback distance accuracy = 1'

Plat Reference: Plat No. 45-3

**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7125 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALT. • (301) 621-8100 WASH.

DESIGNED	LOC: ON DRAWING 15521 CATTAIL OAKS LOT 11	SCALE 1" = 50'
DRAWN	PEACEFIELDS AT CATTAIL CREEK LOTS 1 THRU 15 AND PRESERVATION PARCELS 'A' THRU 'C' ZONED RR-DEO	DRAWING 1 OF 1
CHECKED PAC	(A RESUBDIVISION OF LOTS 1 AND 2, "PEACEFIELDS - LOTS 1 AND 2", PLAT NO. 11105) FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 00-022
DATE 11-20-01		FILE NO. 00-022-0

DK BACHMANN

# HOME LAND ENVIRONMENTAL

p:443-995-5385 | [info@homelandhealthyhomes.com](mailto:info@homelandhealthyhomes.com) | [www.homelandhealthyhomes.com](http://www.homelandhealthyhomes.com)

<b>Date:</b> November 12, 2020 <b>Name of Evaluator:</b> Adam Brown <b>Time:</b> 9:15 AM <b>Property Address:</b> 15521 Cattail Oaks Glenwood, MD 21738 <b>Recent Weather Conditions:</b> Rain		<b>Ordered By:</b> Rhonda O'Guinn  <b>Buyers:</b> Charlie Ositelu  <b>Homeowner Interview:</b> The homeowner interview was requested and was received prior to the evaluation.		<b>Occupied:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Length of Time Vacant:</b> N/A <b># of People Living in Home:</b> 4 <b># of People moving in:</b> 5-6 <b>Property Age:</b> 2002 <b>System Age:</b> 2002 <b>Last Date of Cleaning:</b> 2019 <b>Recomm'd Pumping Freq:</b> Annually	
<b>Liquid level in tank is:</b> <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal			<b>Bottom Solids Depth:</b> 12 Inches		
<b>Depth of tank:</b> 27 Inches		<b>Type of Tank Access:</b> 6" Cleanout, Riser		<b>Depth of tank access:</b> At Grade	
<b>Maintenance appears:</b> <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor			<b>Depth to Distribution Box:</b> 13 Inches		
<b>Effluent Filter present:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Previous high liquid level:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Distance to well:</b> ~160 Feet	
<b>Records Search:</b> Records were requested and were received from Howard County after the evaluation.					
<b>Were there any impermeable surfaces above the septic system (i.e. driveway)?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Type of Tank		Tank Composition and Size		Type of Absorption System	
<input checked="" type="checkbox"/> Septic Tank (2 Chamber)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic		<input checked="" type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound	
<input type="checkbox"/> Aeration System		Tank Size: 1,500 gallons		<input type="checkbox"/> Drywell (Number of: ) <input type="checkbox"/> Cesspool	
<input type="checkbox"/> Other:				<input type="checkbox"/> Unknown: _____	
System Component		Condition		Comments	
<b>Septic Tank</b>		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		The 2 chamber septic tank is composed of concrete and is 1,500 gallons in capacity. Access consists of a plastic manhole riser with a concrete lid at grade over the 1 <sup>st</sup> chamber of the tank and a 6" PVC cleanout at grade over the 2 <sup>nd</sup> chamber of the tank. The front and back baffles for the 1 <sup>st</sup> and 2 <sup>nd</sup> chambers of the tank are in place and are composed of PVC. Currently there are 12" of solids in each chamber of the tank, indicating the tank should be cleaned in 6 months to 1 year.	
<b>Pump Present?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable		Access consists of a 6" PVC cleanout at grade over the front and a plastic manhole riser with a concrete lid over the back. The pump cycled during the evaluation. (See pictures 1-3) The highwater alarm test button was pressed and the highwater alarm float was pulled and the highwater alarm sounded.	
<b>Absorption System</b>		<input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		During the evaluation 3 drainfields were located for the absorption system. Each drainfield was probed and was found to be wet. (See pictures 4) Each drainfield was scoped with a camera and was found to be submerged in effluent, indicating each drainfield is hydraulically loaded. (See camera report) Approximately 200 gallons of water were introduced into the system and a back-up was observed. (See picture 5) The absorption system will need to be replaced by a licensed contractor, once the proper permits are issued by the county health department.	

# HOME LAND

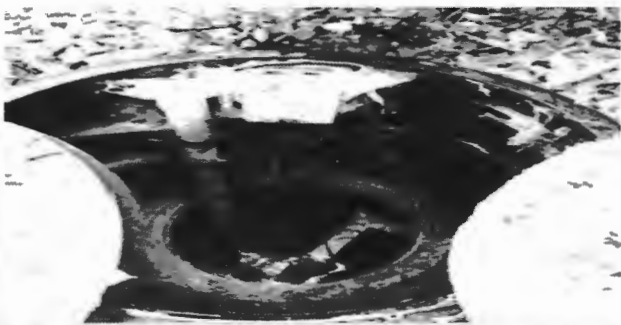
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**Picture 1:**

Shows the floats that were located in the pump chamber. Two floats in the pump chamber appear to be not currently in use. (Yellow arrow points to the pump float; red arrow points to the highwater alarm float; blue arrows point to the floats appearing to be not currently in use.)



**Picture 2:**

Shows the electrical outlets for the pump chamber to be located in the manhole riser for the pump chamber. It is recommended that the electrical outlets for the pump chamber be installed outside the pump chamber due to corrosive gases.



**Picture 3:**

Shows the location of the highwater alarm control panel in the closet near the basement exterior door.



**Picture 4:**

Shows the probe to be wet after probing each drainfield.

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**Picture 5:**

Shows the distribution box to be hydraulically loaded at the conclusion of the hydraulic load test, indicating a back-up.



**Picture 6:**

Shows the location of the septic tank and pump chamber on the property. Shows the septic tank and pump chamber to be located underneath of landscaping. In the event of future repairs, portions of the landscaping may need to be removed.



**Picture 7:**

Shows the location of the distribution box on the property. Shows access for the distribution box to consist of a 4" PVC observation port at grade.

# HOME LAND

## ENVIRONMENTAL

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### Sketch of System

Front of the House



Refer to Scale Drawing

#### DISCLAIMERS

- This is a subjective and visual inspection only, the conclusions of which are based on the observed condition of the system components that could reasonably be accessed, and information known about the system at the time this report was completed. There may be unknown historical problems or unseen conditions which may compromise the conclusions stated in this report.
- Suggestions or recommendations for repairs or remediation may result in the need for further repair or remediation once the system components are fully excavated.
- A 'Satisfactory' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The evaluation of the Sewage Disposal System as reported is based on the conditions observed on the day of the inspection.
- This report is neither a WARRANTY nor does it GUARANTEE continued acceptable functionality or performance of the Sewage Disposal Systems operations.
- If the house has been unoccupied the findings in this report may not be accurate, as limited or no use of the system may conceal or mask problems that may be revealed under typical sewage loading.
- If the general ground condition is excessively wet at the time of inspection, the findings in this report may not be accurate, as ground moisture may cover or hide septic effluent that may be on or near the ground surface.
- If the house is vacant or the conditions excessively wet during inspection, it is recommended that the system be reevaluated at a later date and/or alternate techniques be used to address those potential issues.
- Payment and/or use of this evaluation signify understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:

Date: 11/12/2020

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

**MEMORANDUM**


TO: Hatfield's Equipment  
Attn: Todd Tracey  
P.O Box 519  
Annapolis Junction, MD 20701

CC: Home Owner; Michael Kukuselid

FROM: **Joseph Cabahug**  
Licensed Environmental Health Specialist **001997**  
Howard County Health Department  
**Well & Septic Program**

RE: **15521 Cattail Oaks Septic Repair Installation – P572874**

DATE: December 14<sup>th</sup>, 2020



On December 11<sup>th</sup>, 2020, a septic system was installed without a permit being issued. The drainfield trenches were out of spec and a drainfield trench was installed without a layout. The septic system will not be approved until it is corrected.

In order to correct these issues, the following action need to be taken:

- 1) The Trenches need to be made equal length no less than 77 feet.
- 2) A layout inspection is required prior to installation
- 3) No work is to be done without an Onsite Sewage Disposal System Permit issued