

LAYOUT 5/22/2012 INSP 4 \_\_\_\_\_  
 INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 5-21-12 **PERMIT** P 537313  
 APPROVAL DATE: 5/24/2012 A \_\_\_\_\_

Tax ID # 04-355164

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

Heidfelds Equipment IS PERMITTED TO INSTALL  ALTER   
 ADDRESS: PO Box 519 Annapolis, Md 20704 PHONE NUMBER: 410-984-0047  
 SUBDIVISION: Choi Property LOT NUMBER: 18  
 ADDRESS: 3356 Danmark Drive PROPERTY OWNER: Stephen and Christine Callahan

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED   
 PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED   
 NUMBER OF BEDROOMS: 5 APPLICATION RATE: 1.2  
 SQUARE FOOTAGE OF HOUSE: ±3000  
 LINEAR FEET OF TRENCH REQUIRED: 225'

TRENCHES:	Trenches to be 2.0 feet wide. Inlet is at 4.0 feet below original grade with 4.0 feet of stone below the distribution pipe. Bottom maximum depth is 8.0 feet below original grade. Effective sidewall begins at 5.0 feet below original grade. Maintain at least 8.0 feet of spacing between trenches.
LOCATION:	Install 3 x 75' trenches on contour below existing trenches. Abandon old trenches. (See plan).
NOTES:	<b>Do not</b> order the septic tank until after layout inspection and Sanitarian approval. Stake easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED: Heidi Scott DATE: 4/4/12

- 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 OR 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 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE

**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
2'	4'	8'
NUMBER OF TRENCHES <u>3</u>		
TOTAL LENGTH <u>223'</u>		
ABSORPTION AREA <u>?</u>		
DISTRIBUTION BOX LEVEL <u>Levelers</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

\* See Separate sheet  
 for As Built

**SEPTIC TANK DATA**

~~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 \_\_\_\_\_

~~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:

5/22/12 Drop below existing trenches, install 3075' trenches on same contour as old trenches. Keep 10' etc. Trenches pointed out a field. Pool not staked. Contractor to verify 20' set back to proposed pool once staked. (Y)

INSTALLATION:

5/24/2012 New trenches installed and connected to existing tanks. Old trenches are saturated after 14 years. Installer said that the top clay layer was pretty deep where the trenches were installed. Should do additional perc. testing on next repair. O.K. to backfill. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

5/24/2012

HO-94-1276

30

71'

114'

3356  
Danmark  
Drive

~150'

78'

123'

~240'

96'

25'55"

Old Dist.  
Box

475'

Pool  
Area

8'

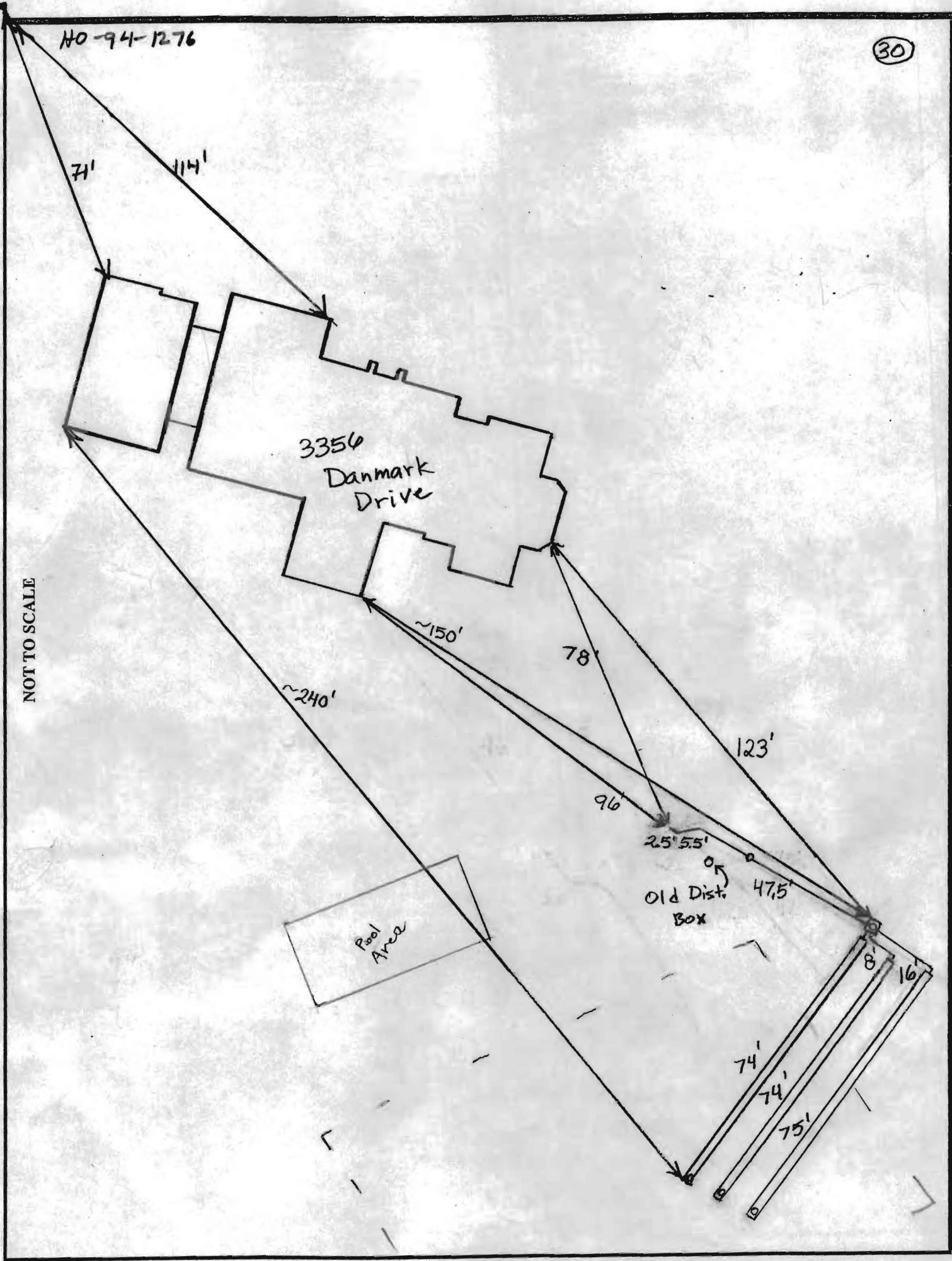
16'

74'

74'

75'

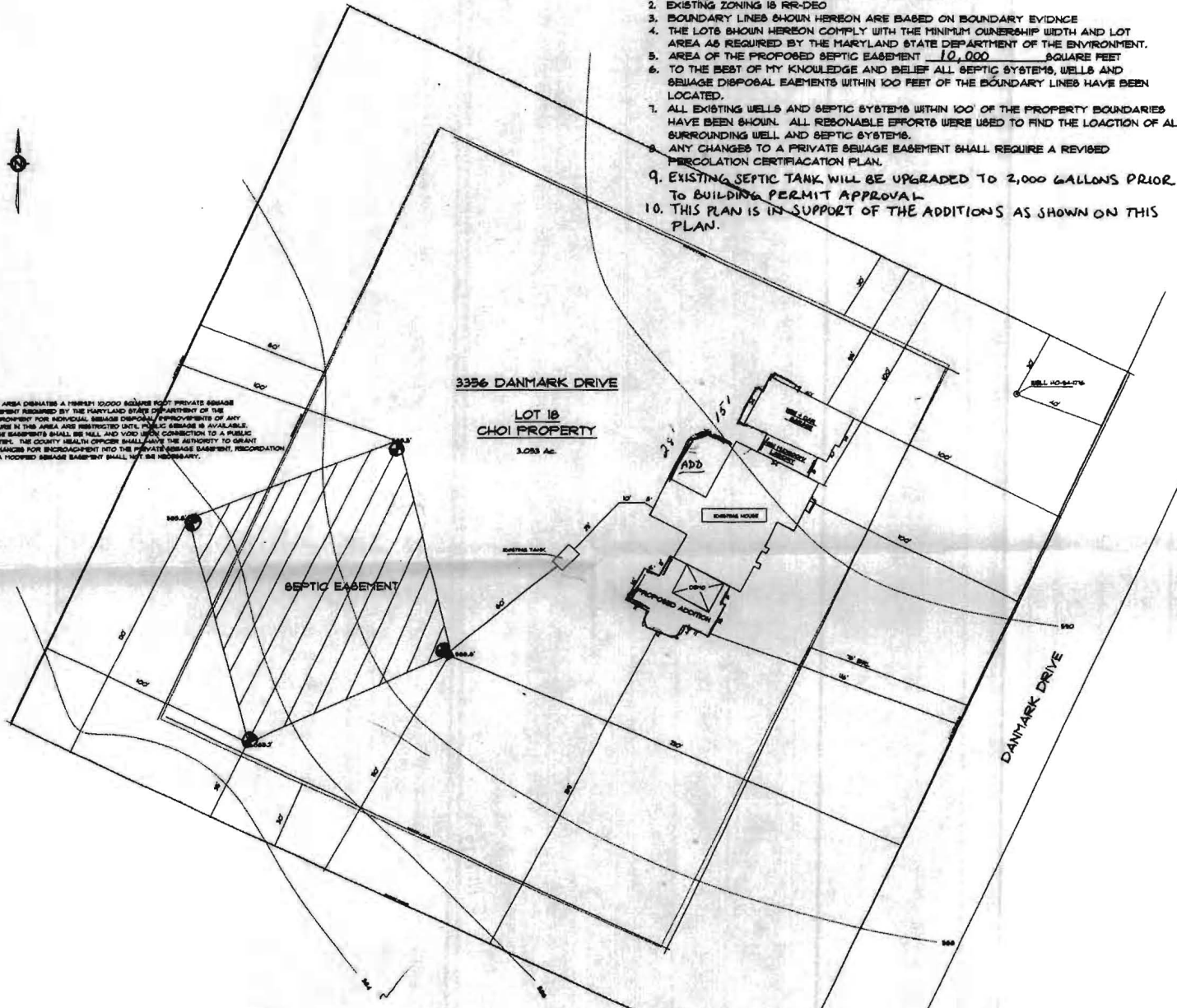
NOT TO SCALE



1. SITE ADDRESS: 3356 DANMARK DRIVE, GLENWOOD, MD.
2. EXISTING ZONING IS RR-DEO
3. BOUNDARY LINES SHOWN HEREON ARE BASED ON BOUNDARY EVIDENCE
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
5. AREA OF THE PROPOSED SEPTIC EASEMENT 10,000 SQUARE FEET
6. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE BOUNDARY LINES HAVE BEEN LOCATED.
7. ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL REASONABLE EFFORTS WERE USED TO FIND THE LOCATION OF ALL SURROUNDING WELL AND SEPTIC SYSTEMS.
8. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. EXISTING SEPTIC TANK WILL BE UPGRADED TO 2,000 GALLONS PRIOR TO BUILDING PERMIT APPROVAL
10. THIS PLAN IS IN SUPPORT OF THE ADDITIONS AS SHOWN ON THIS PLAN.

THIS AREA OBTAINS A THIRTY-THREE (33) THOUSAND SQUARE FOOT PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULLED AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWAGE EASEMENT, RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

3356 DANMARK DRIVE  
 LOT 18  
 CHOI PROPERTY  
 3.023 Ac.



**PERCOLATION CERTIFICATION PLAN**

DATE 07/08  
 SCALE 1" = 40'

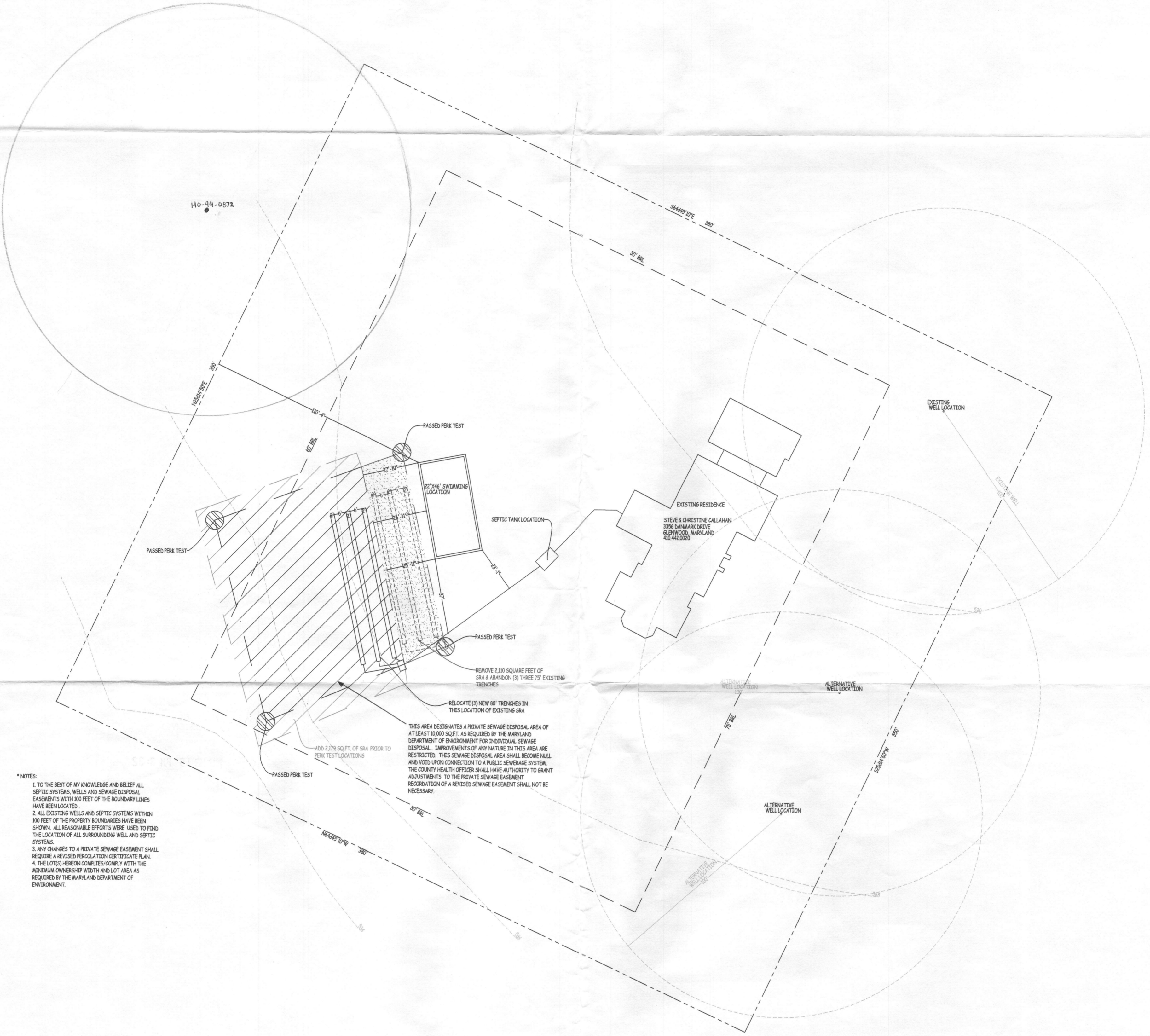
OWNER: STEVE & CHRISTINE CALLAHAN  
 3356 DANMARK DRIVE  
 GLENWOOD, MD  
 21044-0050

⊕ passed perc test

BOUNDARY SURVEY AND HOUSE LOCATION SURVEY AS BASED ON DATA AS PREPARED BY: PIMMER, COLLINS & CARTER, INC 3.31.98  
 PERCOLATION PLAN PREPARED BY: FRED C. DICKSON, CO., INC.

PROPERTY TOPOGRAPHY AS PROVIDED BY HOWARD COUNTY  
 SEPTIC EASEMENT ELEVATIONS FIELD RUN

<p>I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF</p>	<p>APPROVED FOR PRIVATE WATER &amp; PRIVATE SEWAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY</p>
<p><i>[Signature]</i>          GEORGE SIGNATURE DATE 7/1/08</p>	<p><i>[Signature]</i>          HEALTH OFFICER DATE 8/6/08</p>



- \*NOTES:
1. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE BOUNDARY LINES HAVE BEEN LOCATED.
  2. ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL REASONABLE EFFORTS WERE USED TO FIND THE LOCATION OF ALL SURROUNDING WELL AND SEPTIC SYSTEMS.
  3. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATE PLAN.
  4. THE LOT(S) HEREON COMPLY(ES) WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE BOARD AND DEPARTMENT OF ENVIRONMENT.

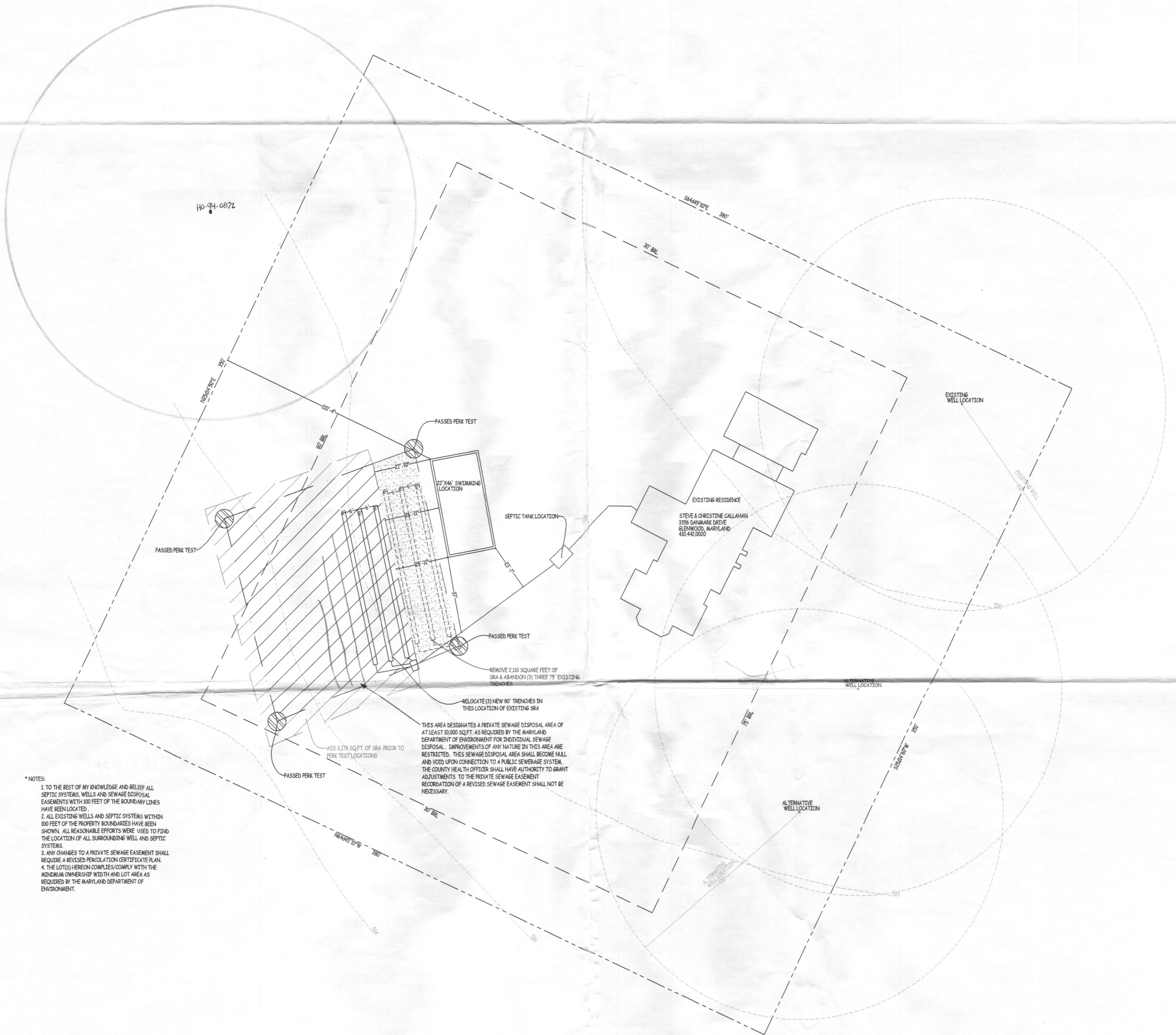
I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

*John A. Callahan* 3/16/12  
SIGNATURE: DATE:

*Richard Peter Bulewson* 3/28/2012  
HEALTH OFFICER: 16 24 DATE: 2/20

<p>The designs and concepts represented herein are the property of Town Creek, Inc. No part thereof shall be used, copied, or reproduced without the written consent of a representative of the Town Creek, Inc. This plan is approximate and may be adjusted in the field to allow for unforeseen site conditions.</p> <p>March 16, 2012</p>		<p>DESIGN BY: Steve Clancy 301-252-1312 SCALE: 1" = 30'-0"</p>	<p align="center"><b>CALLAHAN RESIDENCE</b></p> <p align="center">3356 DANMARK DRIVE GLENWOOD, MARYLAND</p>	<p align="center"><b>REVISED</b> PERCOLATION CERTIFICATION PLAN</p>	<p align="center">P.O. BOX 735 Clarksville, MD 21029 410-531-1608/874 FAX: 410-531-6574 www.towncreekinc.com MHC: #44986</p>	<p align="center">TOWN CREEK LANDSCAPING, POOLS &amp; CONSTRUCTION</p> <p align="center">BEAUTIFUL CRAFTSMANSHIP ... ... INSPIRED BY NATURE</p>
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- \*NOTES:
1. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL SEPTIC SYSTEMS, WELLS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE BOUNDARY LINES HAVE BEEN LOCATED.
  2. ALL EXISTING WELLS AND SEPTIC SYSTEMS WITHIN 300 FEET OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL REASONABLE EFFORTS WERE USED TO FIND THE LOCATION OF ALL SURROUNDING WELL AND SEPTIC SYSTEMS.
  3. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATE PLAN.
  4. THE LOTS TO HERON COMPLEX COMMON WITH THE INDIVIDUAL OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RELOCATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF HOWARD COUNTY.

*Steve Clancy*  
 SIGNATURE: DATE: 3/14/12

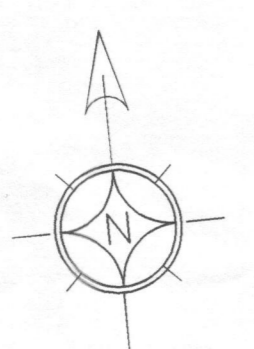
*Richard P. Peterson*  
 HEALTH OFFICER: DATE: 3/28/2012

# CALLAHAN RESIDENCE

3356 DANMARK DRIVE  
 GLENWOOD, MARYLAND

DESIGN BY: Steve Clancy  
 301-252-1312

SCALE: 1" = 30'-0"



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March 16, 2012

REVISED  
 PERCOLATION  
 CERTIFICATION PLAN

P.O. BOX 735  
 Clarksville, MD 21029  
 410-531-5608  
 FAX: 410-531-6574  
 WWW.TOWNCREEKINC.COM  
 MHC: #44989

BEAUTIFUL  
 CRAFTSMANSHIP .....  
 ....INSPIRED  
 BY NATURE

TOWN CREEK  
 LANDSCAPING, POOLS & CONSTRUCTION

