



Bureau of Environmental Health

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

Required Health Department Notations for Submitted Plans for Properties on Wells and Septic Systems

The following notations must be included on the following plans; site specific notations will be addressed during plan review:

Percolation Certification Plans and Preliminary Plans

1. This area designates a private sewage area of at least 10,000 square feet as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. This area shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
2. The lot shown herein complies with the minimum ownership, width, and lot area as required by the Maryland Department of the Environment.
3. Existing wells, septic systems, and sewage disposal areas within 100' of the property and those wells within 200' down gradient of existing or proposed septic systems or sewage disposal areas have been shown.
4. All wells shall be drilled prior to final plat recordation. It is the developer's responsibility to schedule the well drilling prior to final plat submission. It will not be considered "government delay" if the well drilling holds up Health Department signature of the record plat.
5. Topography shown is at two-foot contour intervals (one-foot intervals are required for mound systems and systems with pipe depth less than two feet) and has been field verified or field run.
6. Any changes to a private sewage area shall require a revised perc certification plan.
7. *If applicable*, groundwater appropriations permit shall be obtained prior to plat recordation.
8. *If sand mounds are being proposed*: The sand mound area(s) delineated and identified on this parcel must be staked by a surveyor and a field visit made by the Howard County Health Department to verify the areas have not been impacted, prior to final plat approval or building permit approval (if a final plat is not required). In addition, these areas must be protected by a fixed barrier at all times during demolition, grading, and construction activities. Thereafter protective measures should be implemented to protect these areas from erosion and encroachment by wheeled vehicles. Subsequent building permit applications may be denied should the sand mound areas be evaluated and found to be unsatisfactory for the intended use. In addition, a supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation permit.
9. *If pretreatment is proposed*: An advanced pre-treatment system, which utilizes best available technology to perform nitrogen reduction, must be installed on the septic system. A supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation

permit. In addition, an operation and maintenance contract agreement must be filed with Howard County Land Records within 60 days of plat recordation.

Final Plats

1. This area designates a private sewage area of at least 10,000 square feet as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. These areas shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
2. The lot shown herein complies with the minimum ownership, width, and lot area as required by the Maryland Department of the Environment.
3. *If applicable:* Groundwater Appropriation Permit number ____ has been obtained from Maryland Department of the Environment.
4. *If applicable:* A groundwater Appropriation Permit exemption has been obtained from the Maryland Department of the Environment.
5. *If sand mounds are being proposed:* The sand mound area(s) delineated and identified on this parcel must be protected by a fixed barrier at all times during demolition, grading, and construction activities. Thereafter protective measures should be implemented to protect these areas from erosion and encroachment by wheeled vehicles. Subsequent building permit applications may be denied should the sand mound areas be evaluated and found to be unsatisfactory for the intended use. In addition, a supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation permit.
6. *If pretreatment is required:* A note must be included within the lot's boundaries stating "See General Note #. And a note must be included under "General Notes" stating, "An advanced pre-treatment system, which utilizes best available technology to perform nitrogen reduction, must be installed on the septic system located on Lot __. A supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation permit.

Percolation Certification and Preliminary Plans for Shared Septic Systems

In addition to the Percolation Certification Plan requirements, the following must also be included on the plan:

1. The design flow calculations must be shown
2. The signature block should state: Approved for private water , private septic systems, and shared septic systems (lot numbers included)
3. This area designates a private sewage area of at least 10,000 square feet for each lot on the shared system, as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. These areas shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
4. Lot yield is dependent upon nitrogen balance study (if over 5,000gpd then add groundwater mounding and hydrologic balance studies)
5. Lot yield and bedroom counts are subject to review by Maryland Department of the Environment, Bureau of Utilities, and the Howard County Health Department when the water and sewer contract plans with the shared sewage disposal system are submitted.

Final Plats for a Shared Septic System

In addition to the Final Plat requirements the following must also be included on the plan:

1. This area designates a private sewage area of at least 10,000 square feet for each lot on the shared system as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. These areas shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
2. *The signature block should state:* Approved for private water, private septic systems (if there are lots with on-site sewage disposal systems), and shared septic systems (include lot #). Use of the shared septic system is in conformance with the county plan.
3. The shared sewerage system will be available to lots _____. Plans for the facility including any necessary point of discharge have been approved by the Department of the Environment. *Include owner's signature and date.*
4. The design flow calculations must be shown
5. The groundwater discharge number must be included on the plan

Revised Percolation Certification Plans

1. A. This area designates a private sewage area of at least 10,000 square feet as required by the Maryland Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewerage is available. This area shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.

OR

- B. This area designates a private sewage area as required by the Maryland Department of the Environment for individual sewage disposal. For lots created prior to March of 1972 it provides at least enough area to accommodate an initial and two replacement septic systems as required by the Howard County Health Department. Improvements of any nature in this area are restricted until public sewerage is available. This area shall become null and void upon connection to a public sewerage system. The county Health Officer shall have the authority to grant adjustments to the private sewage area. Recordation of a modified sewage area shall not be necessary.
2. Topography shown is at two-foot contour intervals (one-foot intervals are required for mound systems and systems with pipe depth less than two feet) and has been field verified or field run.
3. Any changes to a private sewage area shall require a revised perc certification plan.
4. Existing wells, septic systems, and sewage disposal areas within 100' of the property and those within 200' downgradient of existing or proposed septic systems or sewage disposal areas have been shown.
5. Add a purpose statement indicating the purpose for the revision
6. For a recorded lot after 1985 either 'a' or 'b' can be used:
 - a. The lot shown herein complies with the minimum ownership, width, and lot area as required by the Maryland Department of the Environment.
 - b. The lot shown heron was recorded on the plat # _____. Refer to plat for lot dimensions, lot areas, all easements, any restrictions, and provisions.

Additional Site Specific Notes:

1. Well must be upgraded prior to final plat (or building permit) approval
2. Other well construction specific notes
3. Existing septic system must be abandoned and a new septic system installed for Lot ____ prior to final plat (or building permit) approval.
4. A low pressure dose system will be required for any system having unequal length trenches. A plan must be submitted showing system details prior to septic permit issuance.
5. The limitations of soil properties are such that a house with no more than ____ bedrooms could be supported by the described easement.
6. After the house connection has been completed and approved for the well line for the existing residence on lot ____, and the existing buried well has been properly abandoned, a water quality sample from the existing house must pass Health Department standards for bacteriology prior to signature of the record plat by the Health Officer.
7. An ICOP for the replacement well will not be issued until the well driller's abandonment report for the existing buried well is in the Health Department file for the subject property.
8. Areas within defined septic areas that are wooded are not to be confused with wooded areas protected for forest conservation that are designated adjacent to the defined septic areas. Replacement of septic drainfield lines requires disruption and disturbance, and likely will result in damage or destruction of trees and other vegetation within the boundaries of the septic area.

Additional Information

- All symbols must reflect what is shown on the plan.
- All notes must be reflective of the proposal.
- If modifications to wells or septic areas are being made, make sure to show the originally approved areas along with the modified areas.
- Purpose statement must be included in general notes.
- All neighboring wells, septic areas, and septic system components must be shown. If it is clear that the septic system is located in the 10,000 ft² septic area, only the septic tank needs to be shown. If information is from as-built, an additional note can be added stating, "Septic system information for ____ is from Howard County Health Department records dated ____."
- Three copies of the plans must be submitted to the Health Department.
- Engineer must sign and seal plan. Statement to be signed "I certify that the information shown herein is based on field work performed by me or under my direct supervision, as is correct, to the best of my knowledge and belief."