LAYOUT 9-29-09 INSP 4 _____

INSP 2 9-30-09 INSP 5 _____

INSP 3 _____ INSP 6 _____

ISSUE DATE: 9-29-09 **PERMIT – Repair** P 531096

(Upgrade into Part 4 Trench)

APPROVAL DATE: 10-2-09 A Repair

Tax ID # 3282821

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

Freedom Septic IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 2555 Sand Hill Rd PROPERTY OWNER: Chris Hayes

SEPTIC TANK CAPACITY (GALLONS): _____ OUTLET BAFFLE FILTER REQUIRED ☐

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: _____ APPLICATION RATE: _____

SQUARE FOOTAGE OF HOUSE: _____ Trenches 2' wide.

Inlet 2' bottom 6'

LINEAR FEET OF TRENCH REQUIRED: _____

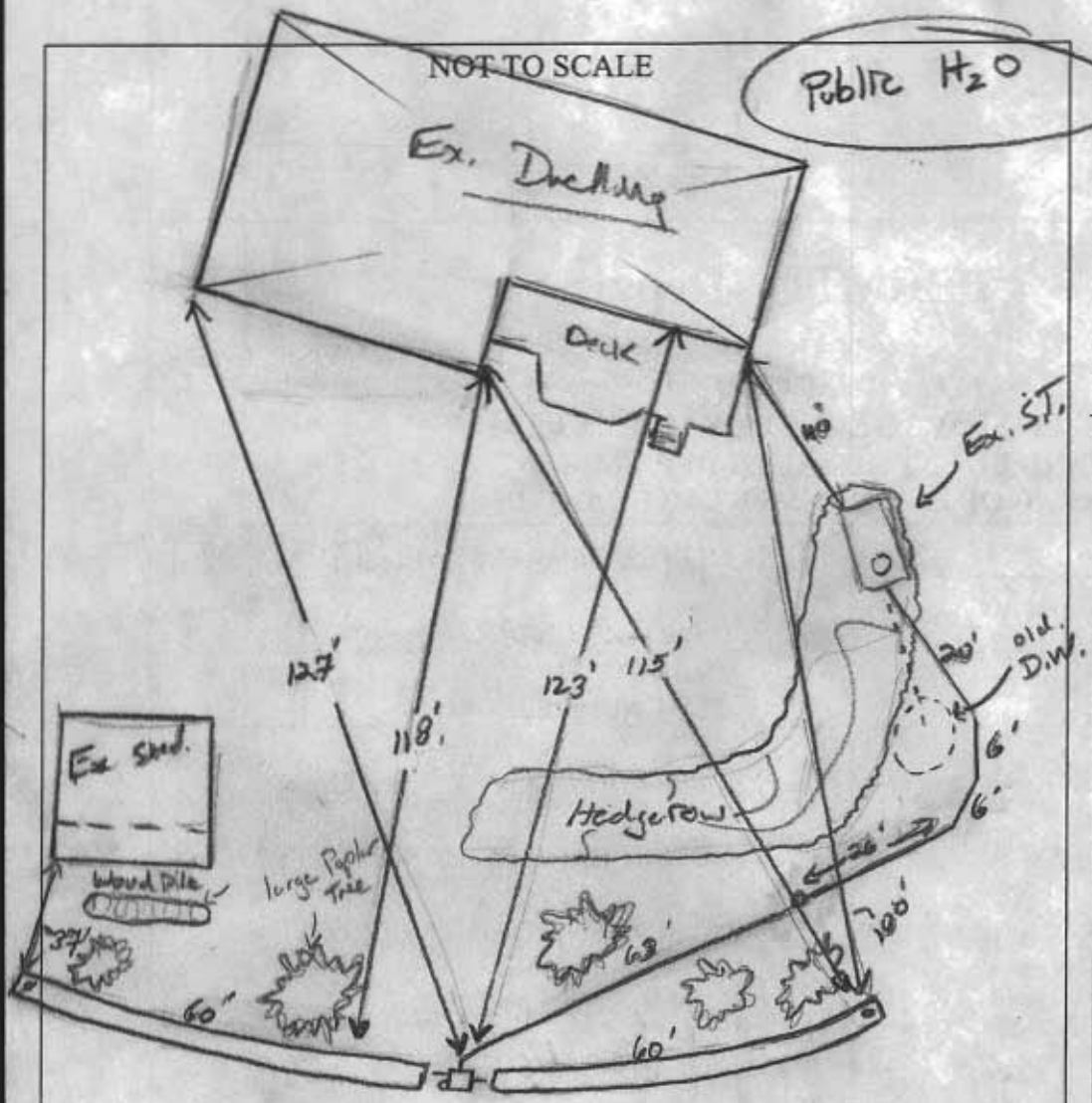
TRENCHES:	Trenches to be feet wide. Inlet feet below original grade. Bottom maximum depth feet below grade. Effective area begins at feet below original grade. feet of stone **below** distribution pipe.
LOCATION:	A Layout inspection is required for correct placement and verification of trench locations.
NOTES:	Manhole access needs to be installed on the tank. Pump and collapse ex. dry well.

PLANS APPROVED: Kevin Wolf DATE: 9/29/2009

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 SYSTMEM 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



ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2'	2	6'

NUMBER OF TRENCHES 2
TOTAL LENGTH 120
ABSORPTION AREA 240 'tsw
DISTRIBUTION BOX LEVEL levelers
DISTRIBUTION BOX BAFFLE Yes
DISTRIBUTION BOX PORT Yes

SEPTIC TANK DATA (Ex)

SEPTIC TANK 1 LEVEL Yes
MANUFACTURER ?
CAPACITY 1250? GAL
SEAM LOC mid
TANK LID DEPTH @ grade
BAFFLES Yes
BAFFLE FILTER —
MANHOLE LOC Rear
6" PORT LOC rear
WATERTIGHT TEST —
SLOTTED no
DATE ON LID N/A

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

PRE-CONSTRUCTION:
9/29/09 After Pre-test, contractor is to install 2ea 60' trenches as pointed out in field. Pump & collapse ea D.W. (KW)

INSTALLATION: 10/1/09 Contractor installed 4" gravity line from each tanks to D box. A 60' trench installed and covered. Second trench dug. Stone being placed in trench. OK to cover trench that's finished. (KW) 10/2/09 System complete. D.W. pumped and collapsed OK to cover all work (KW)

FINAL INSPECTOR K. Wall DATE OF APPROVAL 10-2-2009

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

A 513203-V

DISTRICT _____

DATE _____

DATE SYSTEM APPROVED _____

INSPECTOR _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
XXXXXXX 410-313-2640

INDEXED

RPS# 28282.1

_____ IS PERMITTED TO INSTALL _____ ALTER _____

ADDRESS _____ PHONE _____

SUBDIVISION _____ LOT _____ ROAD 2555 Sand Hill Road

PROPERTY OWNER Chris & Waynne Hayes

ADDRESS _____

PLANS APROVED BY _____ DATE _____

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

ORIG. PERMIT SIGNED
TO RETURNED 9/23/
Kitchen remod
deck

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

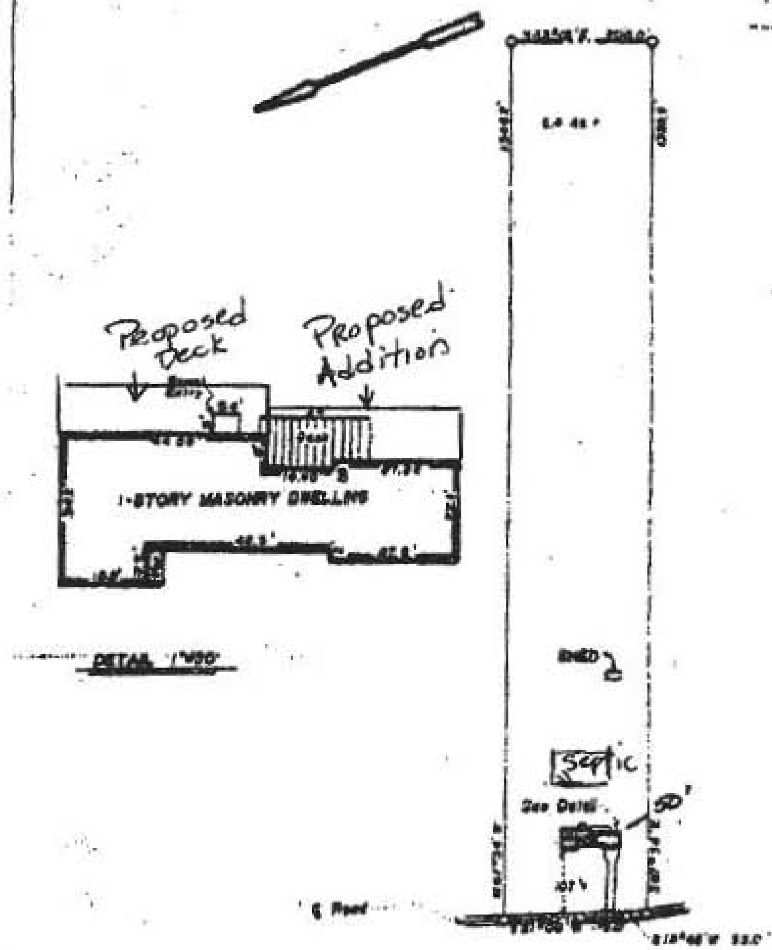
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

HD-260(6-90)

LANDTECH ASSOCIATES, INC.
1410 CRAIN HIGHWAY N.W. SUITE 70
GLEN BURNIE, MARYLAND [illegible]
([illegible]) [illegible]

To Richard Campbell
Fr. Wynne Hayes



Sand Hill Road

9/23/98 proposed addition OR as shown - shall not impa[ct] existing septic system DKF

NOTE: THIS PROPERTY LIES IN FLOOD ZONE C, AN AREA OF MINIMAL FLOODING, AS DELINEATED ON THE MAPS

NOTE: No title report furnished.

CERTIFICATION: This is to certify that the improvements indicated hereon are located as shown. This is not a property line survey and should not be used for the erection of fences or any other improvements.

LIBER ___ FOLIO ___

LOT ___ BLOCK ___ SECT. ___ PLAT ___
PLAT ENTITLED ___
RECORDED IN Howard County MD.
PLAT BOOK ___ FOLIO ___

2568 Sand Hill Rd.
Ellicott City, Md.

SCALE 1" = 200' CASE NO. [illegible]
DATE [illegible], 19[illegible] JOB NO. [illegible]

SITE INSPECTION SHEET

OWNER: Chris Hayes

ADDRESS: 2555 Sand Hill Rd
Ellicott City
Tax Map 16 P. 68

DATE REQUESTED: 9/23/98 @ 3:00

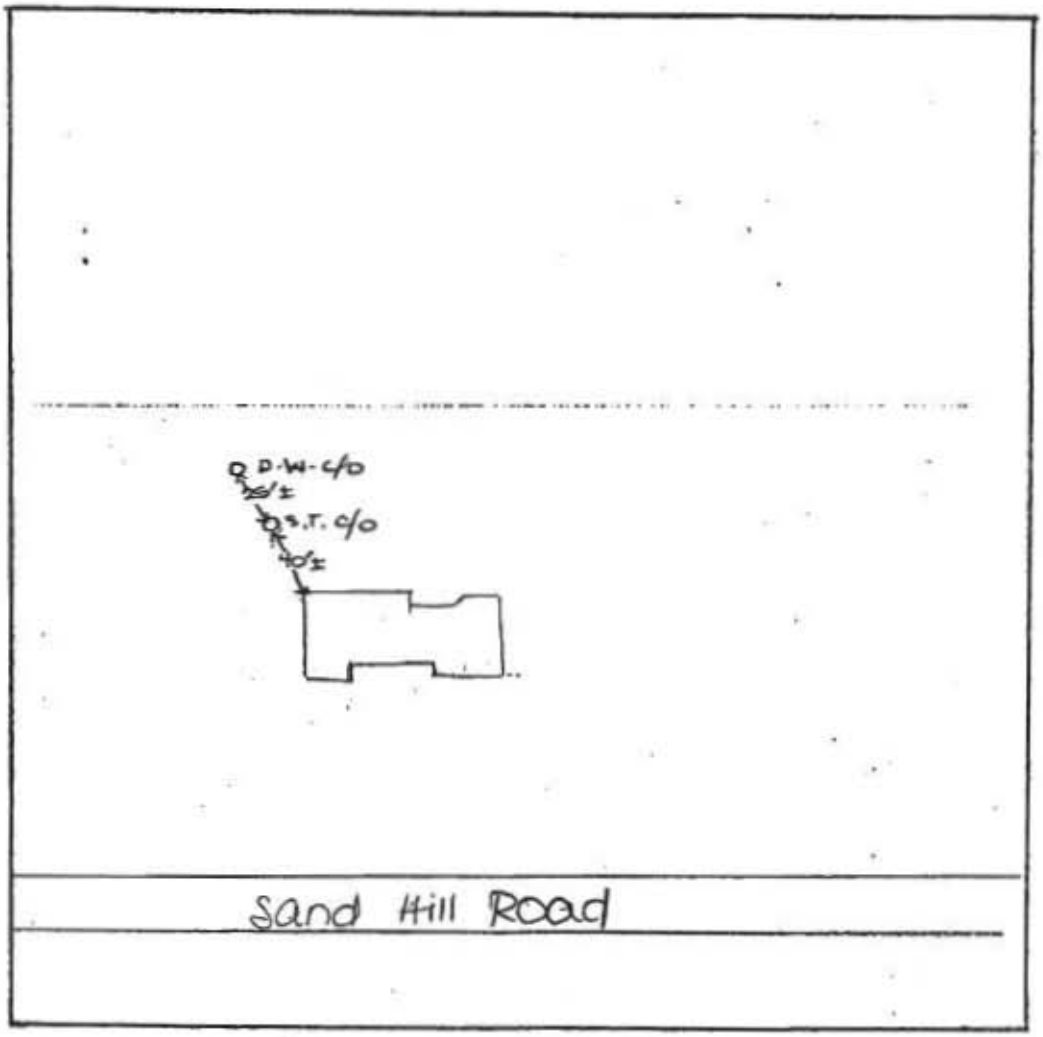
DRILLER: N/A

WELL TAG # N/A

COUNTY # —

PROPOSAL: Application received for building permit for addition to existing dwelling - No Health Dept. records on file.

LOCATION DIAGRAM



COMMENTS: met owner @ site - confirmed location of existing septic system. Location of septic system not in conflict w/ proposed addition. Property is served by public water. OK to proceed w/ building permit approval.

DATE: 9/23/98

INSPECTOR: [signature]

LOCATION MANOR MD+DE NC PA VA

Established Series
Rev. JDC/MJ
02/2008

MANOR SERIES

MLRA(s): 148 (Northern Piedmont)

Depth Class: Very deep
Drainage Class (Agricultural): Well drained
Landscape: Piedmont Plateau
Parent Material: Residuum weathered from micaceous schist
Slope: 0 to 65 percent slopes
Saturated Hydraulic Conductivity: Moderately high to very high
Mean Annual Air Temperature (type location): 12 degrees C. (54 degrees F.)
Mean Annual Precipitation (type location): 1016 mm (40 inches)

TAXONOMIC CLASS: Coarse-loamy, micaceous, mesic Typic Dystrudepts

TYPICAL PEDON: Manor loam in a wooded area. (Colors are for moist soil unless otherwise indicated.)

A1--0 to 5 cm (0 to 2 inch), very dark grayish brown (10YR 3/2) loam; strong fine granular structure; very friable; many fine and common medium roots; many fine and medium vesicular and tubular pores; common fine mica flakes; 10 percent angular schist channers; strongly acid; clear smooth boundary.

A2--5 to 15 cm (2 to 6 inches), dark yellowish brown (10YR 4/4) sandy loam; moderate medium sub-angular blocky structure and strong fine granular structure; very friable; many very fine, fine and many medium roots; many fine and medium vesicular and tubular pores, common coarse tubular pores; common fine mica flakes; 2 percent angular schist channers; very strongly acid; clear wavy boundary. (2.5 to 25 cm [1 to 10 inches] thick)

Bw1--15 to 33 cm (6 to 13 inches), strong brown (7.5YR 4/6) sandy loam; fine distinct dark yellowish brown (10YR 3/4) mottles; moderate medium sub-angular blocky structure; friable; many fine and common medium roots; many fine vesicular and tubular pores, common medium tubular pores; few distinct patchy dark yellowish brown (10YR 3/4) organic coats on faces of peds and in pores; many fine and few medium mica flakes; 10 percent angular schist channers; very strongly acid; clear wavy boundary.

Bw2--33 to 56 cm (13 to 22 inches), strong brown (7.5YR 4/6) sandy loam; weak medium sub- angular blocky structure; friable; many fine and common medium roots; many fine vesicular and tubular pores; many fine and few medium mica flakes; 10 percent angular schist channers; very strongly acid; abrupt smooth boundary. (25 to 64 cm [10 to 25 inches] thick)

C1--56 to 76 cm (22 to 30 inches), variegated dark yellowish brown (10YR 4/4), strong brown (7.5YR 5/8), yellowish red (5YR 4/6) sandy loam; moderate medium platy structure inherited from bedding

planes; very friable; many very fine and fine roots; many very fine and fine vesicular pores; many fine and medium mica flakes; 10 percent angular schist channers; strongly acid; clear wavy boundary.

C2--76 to 112 cm (30 to 44 inches), variegated olive brown (2.5Y 4/4), strong brown (7.5YR 5/6), pink (7.5YR 7/4) very channery sand; massive; very friable; many very fine and fine vesicular pores; many fine and medium mica flakes; 15 percent channers and 45 percent para-channers; very strongly acid; clear wavy boundary.

C3--112 to 135 cm (44 to 53 inches), variegated olive brown (2.5Y 4/4), light brown (7.5YR 6/3), yellowish red (5YR 5/8) channery loamy sand; moderate medium platy structure inherited from bedding planes; very friable; many very fine and fine vesicular and tubular pores; many fine and medium mica flakes; 15 percent channers; very strongly acid; clear wavy boundary.

C4--135 to 183 cm (53 to 72 inches), variegated olive brown (2.5Y 4/4), dark yellowish brown (10YR 4/4), reddish yellow (7.5YR 6/8) channery loamy sand; weak thin platy structure inherited from bedding planes; very friable; many fine and medium mica flakes; 15 percent channers; very strongly acid.

TYPE LOCATION: Howard County, Maryland; in a wooded area of the Triadelphia Watershed off of Green Bridge Road, near the Pig Tail Boat Launch, Triadelphia Mill Road, in a wooded area in Karinwood. Sandy Spring, Maryland topographic quadrangle; Latitude 39 degrees, 12 minutes, 36 seconds N. Longitude 77 degrees 0 minutes 13 seconds W; NAD 83.

RANGE IN CHARACTERISTICS:
Depth to the top of the Cambic horizon: up to 25 cm (10 inches)
Depth to the base of the Cambic horizon: 75 cm (30 inches)
Solum Thickness: 25 to 76 cm (10 to 30 inches)
Depth to Bedrock: Greater than 183 cm (72 inches)
Depth to Seasonal High Water Table: Greater than 183 cm (72 inches), November to May
Rock Fragment content: 0 to 30 percent, by volume, in the solum, 0 to 95 percent in the substratum. Fragments are mostly hard quartzite or flat schist. Stones occupy 0 to 3 percent of the surface in some pedons.
Soil Reaction: strongly acid to very strongly acid, except where limed
Content of Mica: Common to many

RANGE OF INDIVIDUAL HORIZONS:
A or Ap horizon (if it occurs):
Color--hue of 5YR to 10YR, value of 3 to 5, and chroma of 2 to 4
Texture (fine-earth fraction)loam, silt loam, sandy loam or fine sandy loam

E horizon (where present):
Color--hue of 5YR to 10YR, value of 4 to 6, and chroma of 2 to 6
Texture (fine-earth fraction)loam, silt loam, sandy loam, or fine sandy loam

Bw horizon:
Color--hue of 2.5YR to 10YR, value of 4 to 6, and chroma of 4 to 8
Texture (fine-earth fraction)--loam, silt loam or sandy loam

C horizon:
Color--hue of 5YR to 2.5Y, value of 4 to 8, and chroma of 2 to 8 and commonly is variegated as a result of relict rock structure

INFORMATION FORM - SEPTIC SYSTEM REPAIR / UPGRADE / EVALUATION

For internal office use only

Reason for Request: Septic failing

Failing System (includes surface discharge or inadequate treatment zone) _____

Has the contractor verified through excavation/pumping evaluation, that there are no pipe blockages?

System relocation for proposed addition for setback compliance * _____

Verification of adequate system per COMAR 26.04.02.02D (4)* _____

To replace collapsed septic tank _____

To replace collapsed drywell _____

Septic Contractor: Freedom Septic

Contractor's Address: 2809 Liberty Road
Sykesville Md 21784

Contractor's Phone #: 410-795-2947

Property Address: 2555 Stand Hill Road, Ellicott City

Property (Subdivision) & Lot #

County file number if known: Howard County

Owner's Name and Phone number: Chris Hayes

Is public sewer available/nearby:

If public sewer may be close, mention further research will be performed to verify availability

Names of Any Previous Owners:

Year House Built:

# of Existing Bedrooms:

# of Bedrooms after completion of addition:

Has this request been discussed previously with another Sanitarian:_____Name:_____

A Sanitarian will be in contact within three business days depending upon the urgency of the situation to coordinate the scheduling/review of the repair, upgrade or evaluation.

Print out copy of Real Property Data via Dept. of Taxation website____ Indexed file found_____

***Prior to scheduling inspections, scaled plans should be submitted to clarify the nature of the addition.**

If public sewer may be nearby, verify whether the sewer is technically "available" (defined as abutting or within the property), through the Bureau of Engineering (Diane Nason x 3372 or Jean Reed x 3362).
If sewer is available, verify whether the property is within the Metropolitan District (Finance x 2061).
If sewer is available, and property is within the Metropolitan District, connection to sewer is required. If owner believes reasons for exemptions exist, owner should justify request in writing.
If soil/site conditions are limiting and sewer and/or Metro District status not conducive to connection, Sanitarian may recommend pursuit of Emergency Sewer Extension or Emergency Metro District Inclusion. Owner should contact Charlotte Dryden at x 4419 for further detail.

Environmental Sanitarian tentatively assigned per rotating index card box:_____
Date of request:_____(Clerical staff to update scheduling card with date of request/property address)

Septic permit to be typed by clerical staff after instruction from scheduling Sanitarian.
No permit is to be issued nor inspection to be scheduled without prior fee collection at office unless an emergency situation exists. Contractor to notify office of the emergency situation as soon as possible.