

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 5/23/06

PERMIT

P 524478

APPROVAL DATE: 11/19/07

A 514366

TAX ID #03-283445

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

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 580 Obrecht Rd., Sykesville 21784 PHONE NUMBER: 410-795-5670

SUBDIVISION: Kings Gift LOT NUMBER: 32

ADDRESS: 11525 East Winchester Lane PROPERTY OWNER: Christopher Lac Lone

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

PUMP CHAMBER CAPACITY (GALLONS) n/a COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 217 HOUSE SERVED BY PUBLIC WATER ☒

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Keep the distribution box at the highest elevation in the approved SDA.
NOTES:	No 90 degree elbows before septic tank (2-45 degree) pipes are acceptable.

PLANS APPROVED: CW/PAY Reviewed by: _____ DATE: 6/14/05

NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED

ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED

MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

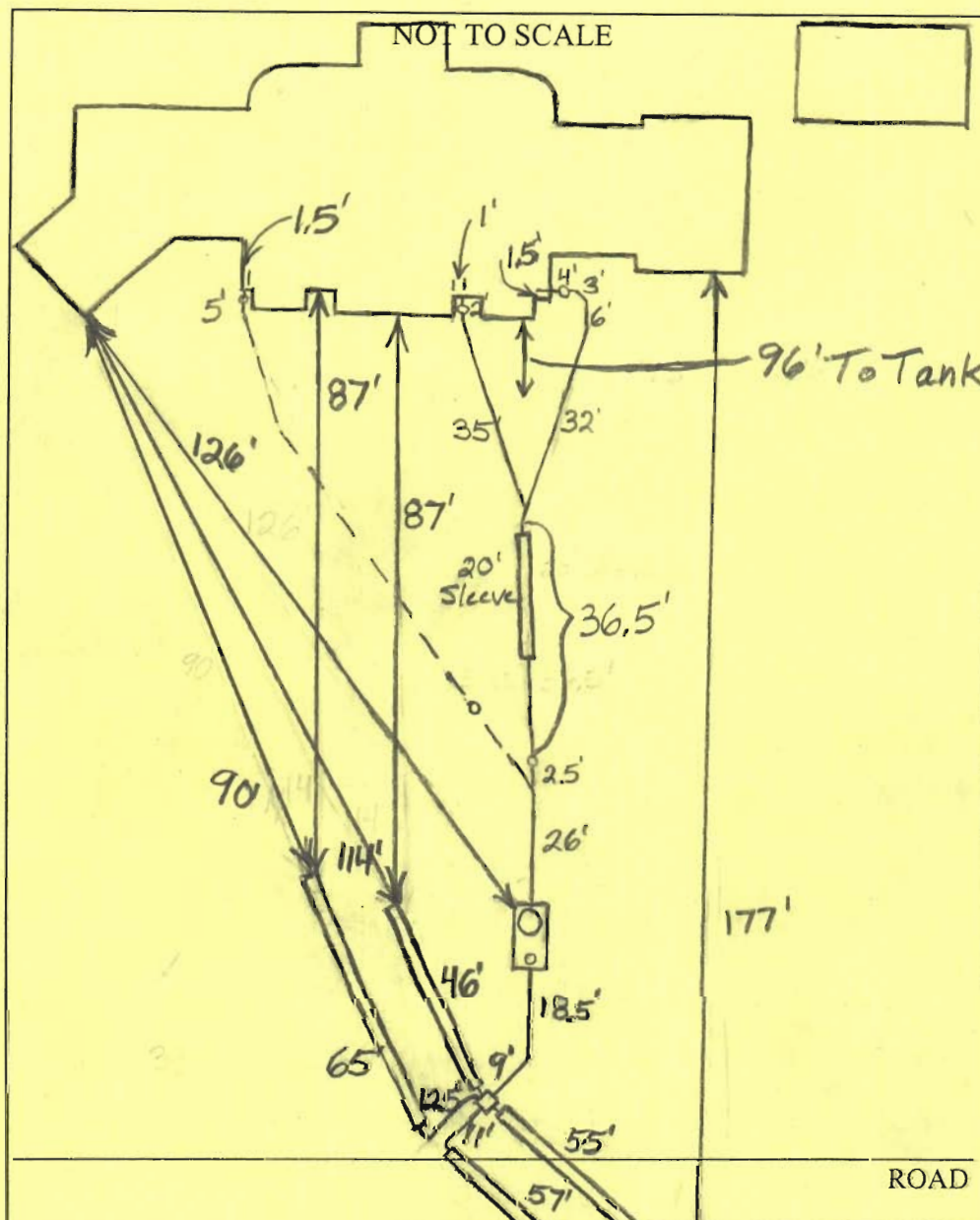
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

BUILDING PERMIT SIGNED

AND RETURNED

3/30/06 B00158812 INGROUND POOL
2/22/07 B07000499 RETAINING WALL



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES 4		
TOTAL LENGTH 223'		
ABSORPTION AREA 669		
DISTRIBUTION BOX LEVEL Levelers		
DISTRIBUTION BOX BAFFLE Yes		
DISTRIBUTION BOX PORT Yes		

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL Yes		
CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2.5'-3'	
BAFFLES	Yes	
BAFFLE FILTER	No	
MANHOLE LOC	Front	
6" PORT LOC	Rear	
WATERTIGHT TEST	No	
SEPTIC TANK 2 LEVEL N/A		
CAPACITY		GAL
SEAM LOC		
TANK LID DEPTH		
BAFFLES		
BAFFLE FILTER		
MANHOLE LOC		
6" PORT LOC		
WATERTIGHT TEST		

PRE-CONSTRUCTION

7/5/06 House connection moved. Gravity flow to upper part of easement may be a problem. (BB) 7/31/06 Installation postponed again. House plumbing is still a concern. Homeowner doesn't want to use a pump system. (BB) 9/20/06 Tank set. O.K. to make trenches 1' deeper at top of easement. Clay seems deeper than test notes suggest in vicinity of septic tank. Will have to add fill around house connection on left side of house to ensure adequate cover. (BB) 9/21/06 Trenches installed in sandy

FINAL INSPECTOR

DATE OF APPROVAL

clay loam. O.K. to cover. Still need to make the one house connection (BB) 11/19/07 Second house connection verified by contractor via conversation (RW)

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Kings Gift

A 511436

STREET NAME: East Winchester Lane

LOT NUMBER: 32

AVERAGE PERCOLATION RATE: 8-15 SQUARE FEET PER BEDROOM:

NUMBER OF BEDROOMS: 5 LINEAR FEET OF TRENCH PER BEDROOM: 43.4

TOTAL LINEAR FEET OF TRENCH: 217 SEPTIC TANK CAPACITY: 1500

TOP SEAMED TANK REQUIRED? YES NO

$$\frac{210 \times 5}{3} = 350 (42) \\ = 217$$

COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DIMENSIONS: Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade.

Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

=====

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: N/A gallon pump chamber.

YES NO Top sealed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

=====

LOCATION: Keep 10' by 4' at highest elevation
in SDA

ADDITIONAL NOTES: No 90° elbows
before septic tank (2 - 45°
pipes are acceptable.

Reviewer: Craig Williams / Pete Yencusil

Date: 6/14/05

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 10/13/2005

PERMIT

P 523494

APPROVAL DATE: _____

A 51436 6

TAX ID #03-283445
ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

L V Dove & Son, Inc IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 6401 Briarmoor Lane PHONE NUMBER: 703-971-4316

SUBDIVISION: Kings Gift LOT NUMBER: 32

ADDRESS: 11525 East Winchester Lane PROPERTY OWNER: Christopher Lac Lone

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

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED ☒

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 210

LINEAR FEET OF TRENCH REQUIRED: 217 HOUSE SERVED BY PUBLIC WATER ☒

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box at the highest elevation in the approved SDA.
NOTES:	No 90 degree elbows before septic tank (2 – 45 degree) pipes are acceptable.

PLANS APPROVED: CW/PAY Reviewed by: KN DATE: 6/14/05

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
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PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
ALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Kings Gift

A 511436

STREET NAME: East Winchester Lane

LOT NUMBER: 32

AVERAGE PERCOLATION RATE: 8-15

SQUARE FEET PER BEDROOM: 1500

NUMBER OF BEDROOMS: 5

LINEAR FEET OF TRENCH PER BEDROOM: 43.4

TOTAL LINEAR FEET OF TRENCH: 217

SEPTIC TANK CAPACITY: 1500

TOP SEAMED TANK REQUIRED? (YES) NO

COMPARTMENTED TANK REQUIRED? (YES) NO

$$\frac{210 \times 5}{3} = 350 (42) \\ = 217$$

TRENCH DIMENSIONS: Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade.

Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: YES (NO)

PUMPED SEPTIC SYSTEM DETAIL: N/A gallon pump chamber.

YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

LOCATION: Keep D-by At highest elevation
in SDA

ADDITIONAL NOTES: No 90° elbows

before septic tank. (2 - 45°
pipes are acceptable.

Reviewer: Craig Williams / Pete Yencsio

Date: 6/14/05

A 41436

SUBDIVISION: KINGS GIFT
11525 EAST WINCHESTER LANE

LOT NUMBER: 32

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

210 sq. ft./bedroom

Trench to be 3 wide.

Inlet 3 feet below original grade.

Bottom maximum depth 5 feet below original grade.

Effective area begins at 3 feet below original grade.

2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: PLACE THE DISTRIBUTION BOX 270' FROM
THE CENTER LINE OF THE ROAD-IN-COMMON AND
135' FROM THE LEFT (725') LOT LINE, RUN
TRENCHES ALONG CONTOUR IN BOTH DIRECTIONS.

11/14/89 Cullhan

DETAIL 33 - SUPER SILT FENCE

CONSTRUCTION SPECIFICATIONS

1. Fencing shall be 40" in height and constructed in accordance with the latest Maryland State Highway Detail for Chain Link Fencing. The specification for 40" fence shall be used substituting 40" fabric and 5' length posts.

2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and down rods, drive anchors and post caps are not required except on the ends of the fence.

3. Filter cloth shall be fastened securely to the chain link fence with wire spaced every 20" at the top and mid section.

4. Filter cloth shall be embedded a minimum of 6" into the ground.

5. Where the sections of filter cloth adjoin each other, they shall be overlapped 6" and fastened.

6. Maintenance shall be performed as needed with 1/2" holes removed when "bulging" develops in the silt fence, or when silt reaches 200% of fence height.

7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Durability Class II:

Material	30 (lb/in) (min)	Test	500
Tensile Strength	30 (lb/in) (min)	Test	500
Tensile Elongation	30 (lb/in) (min)	Test	500
Filtering Efficiency	30 (lb/in) (min)	Test	500

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

STATE OF MARYLAND
NATURAL RESOURCES CONSERVATION DISTRICT

DETAIL 32 - SILT FENCE

CONSTRUCTION SPECIFICATIONS

1. FENCE POSTS SHALL BE A MINIMUM OF 30" LONG AND 4" DIA. AND SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL. THE POSTS SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL. THE POSTS SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL.

2. FENCE POSTS SHALL BE A MINIMUM OF 30" LONG AND 4" DIA. AND SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL. THE POSTS SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL. THE POSTS SHALL BE SET IN A MINIMUM OF 12" OF SOLID MATERIAL.

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U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

STATE OF MARYLAND
NATURAL RESOURCES CONSERVATION DISTRICT

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION SPECIFICATIONS

1. LENGTH - MINIMUM OF 50' (NOT FOR SINGLE ENTRANCE LOT)

2. WIDTH - 10' MINIMUM, SHOULD BE PLACED AT THE EXISTING ROAD TO PROVIDE A TURNING

3. ENTRANCE (CURB) TO BE CONSTRUCTED TO BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE. THE ENTRANCE SHALL BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE.

4. ENTRANCE - CURB TO BE CONSTRUCTED TO BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE. THE ENTRANCE SHALL BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE.

5. ENTRANCE - CURB TO BE CONSTRUCTED TO BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE. THE ENTRANCE SHALL BE PLACED OVER THE EXISTING ROAD PRIOR TO THE CONSTRUCTION OF THE ENTRANCE.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

STATE OF MARYLAND
NATURAL RESOURCES CONSERVATION DISTRICT

SEEDING CONTROL NOTES

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (7-13-1995).

2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT LINE.

3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

A) 7 CALENDAR DAYS FOR ALL PERMITTED SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 2:1.

B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE, IN ACCORDANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

5. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL DIVISION.

6. SITE ANALYSIS

TOTAL AREA OF SITE	247,428 SF/5,580 AC ±
AREA TO BE SEEDING	72,309 SF
AREA TO BE VEGETATIVELY STABILIZED	46,956 SF
TOTAL	119,265 SF
OFFSET WASTE/POISON AREA LOCATION	SITE W/ APPROVED AND ACTIVE GSC PLAN

7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

8. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL DIVISION.

9. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED PRIOR TO THE INSTALLATION OF PERMITTED EROSION AND SEDIMENT CONTROL PRACTICES. BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL IS OBTAINED.

10. REVISIONS FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

11. THE TOTAL AMOUNT OF SUPER SILT FENCE = 3,682' SILT FENCE = 0.42 AC

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION - LOOSEN UPPER 3" MOISTURE OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - APPLY ONE OF THE FOLLOWING SCHEDULES:

1. DISCING - 10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET) AND 500 LBS. PER ACRE (10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT THE END OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (14 LBS./1000 SQUARE FEET) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

2. ADDITION OF 10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET) AND 1000 LBS. PER ACRE (10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 1 THRU NOVEMBER 15, SEED WITH 2 1/2 LBS. PER ACRE OF ANNUAL RYE (12 LBS./1000 SQUARE FEET) FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 3 LBS. PER ACRE OF WINTERING LOVEGRASS (10 LBS./1000 SQUARE FEET) FOR THE PERIOD NOVEMBER 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SO2.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQUARE FEET) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GAL PER ACRE (5 GAL/1000 SQUARE FEET) OF EMULSIFIED ASPHALT FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 342 GALLONS PER ACRE (6 GAL/1000 SQUARE FEET) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS DISCING OR OTHER RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION - LOOSEN UPPER 3" MOISTURE OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS - APPLY 500 LBS./ACRE (10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET)).

SEEDING - FOR PERIODS MARCH 1 TO APRIL 30, AND FROM AUGUST 1 THRU OCTOBER 15, SEED WITH 2 1/2 LBS. PER ACRE OF ANNUAL RYE (12 LBS./1000 SQUARE FEET) FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 3 LBS. PER ACRE OF WINTERING LOVEGRASS (10 LBS./1000 SQUARE FEET) FOR THE PERIOD NOVEMBER 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SO2.

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PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

PURPOSE - TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES

A. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:

1. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.

2. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.

3. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

4. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIME IS NOT FEASIBLE.

FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. USUALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA - SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE IN APRIL OF 2005.

2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE

3. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS 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. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENFORCEMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY, THERE IS A 10,000 S.F. MINIMUM RESTRICTION ON THE SEWAGE EASEMENT.

4. THE EARTHWORK QUANTITIES SHOWN HEREON ARE APPROXIMATE ONLY AND ARE NOT TO BE RELIED UPON FOR ACTUAL BID PURPOSES.

5. DURING SEDIMENT CONTROL INSTALLATION CURL ENDS OF SUPER SILT FENCE & SILT FENCE UPWILL.

SEPTIC SYSTEM DATA

INV. AT HOUSE 522.3

EX. GRADE 521.2
FIN. GRADE 521.2
INV. IN 519.7
INV. OUT 519.4

DISTRIBUTION BOX

EX. GRADE 520.5
FIN. GRADE 520.5
INV. IN 517.2
INV. OUT 517.0

TRENCHES

INLET DEPTH
BOTTOM DEPTH
WIDTH

NOTE: TRENCH LENGTH AND ORIENTATION TO BE DETERMINED BY HEALTH DEPARTMENT AT TIME OF SEPTIC SYSTEM LAYOUT INSPECTION.

* AN ELECTRIC PUMP WILL BE REQUIRED FOR SEWER SERVICE TO BASEMENT.

6. THE PROPERTY IS SERVED BY PUBLIC WATER.

Approved Septic System Plan
Howard County Health Department

Signature

Date 6/13/05

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

STATE OF MARYLAND
NATURAL RESOURCES CONSERVATION DISTRICT

U.S. ROUTE 40
(R/W WIDTH VARIES)

LOT 32
5,582 AC ±

MD. ROUTE 144
(EAST WINCHESTER LANE)

GP0575

OWNER/DEVELOPER:
CHRISTOPHER LAC LONG
THU-HA THI NGUYEN
4724 AVATAR LANE
OWINGS MILLS, MD. 21117

DESIGNED
GSS
DRAWN
RF
CHECKED
GSS
DATE

REVISION
1
REUSED SEPTIC AREA PER HEALTH DEPT
6/9/05

DATE

BY

NO.

REVISION

DATE

GRADING, SEDIMENT & EROSION CONTROL PLAN

LOT 32
KINGS GIFT
1.8" CO/F 130

TAX MAP 16 GPO B PARCEL 349
3RD ELECTION DIST - HOWARD CO., MD.
SCALE: 1"=50'

SCALE
1"=50'

DRAWING
871476S321.dwg

JOB NO.
87-147

FILE NO.

SHEET
1
OF
2

DATE

NAME AND TITLE

1. I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MARYLAND NATURAL RESOURCES CONSERVATION DISTRICT.

6. SCOTT SHANABERGER
PROFESSIONAL L.S. #10849

DATE

1. I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DATE

NAME AND TITLE

STATE OF MARYLAND
NATURAL RESOURCES CONSERVATION DISTRICT

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LEGEND:

DESIGNATES APPROVED PERC TEST

DESIGNATES 10,000 SEPTIC EASEMENT

DESIGNATES BUILDING RESTRICTION LINE

DESIGNATES STABILIZED CONSTRUCTION ENTRANCE

DESIGNATES SPOT ELEVATION

DESIGNATES SILT FENCE

DESIGNATES SUPER SILT FENCE

DESIGNATES ROOF LEADER

DESIGNATES TURF REINFORCEMENT MATTING (SEE ENKAMAT DETAIL SHEET 2)

DESIGNATES REVISION 10,000 S.F. PERC EASEMENT

1. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERNYDIA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

2. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIME SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

3. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

1. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

2. TOPSOIL APPLICATION

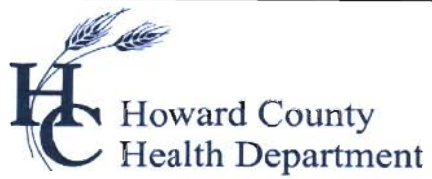
1. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.

2. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE PREVIOUSLY BEEN ESTABLISHED, SHALL BE MAINTAINED, ALBERT, 4"-8" HIGHER IN ELEVATION.

3. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4"-8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

4. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDING PREPARATION.

VICINITY MAP
SCALE: 1"=2000'



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter Beilenson, M.D., M.P.H., Health Officer

November 19, 2007

Homeowner
11525 East Winchester Lane
Ellicott City, MD 21043

SENT VIA FACSIMILE 703-922-9324

RE: Kings Gift, Lot 32
11525 E. Winchester Ln.
Ellicott City, MD 21043
BP# B00154078
PUBLIC WATER

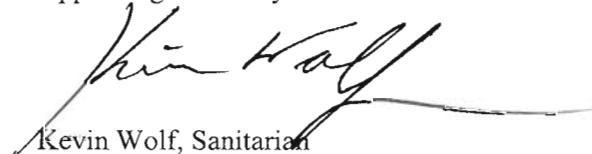
Dear Sir/Madam:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 11/19/2007.**

The property is served by public water and is therefore exempt from the Health Department water sampling requirements.

By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

Approving Authority



Kevin Wolf, Sanitarian
Well & Septic Program

cc: Building Inspector's Office
File