

LAYOUT 4/14/2010 INSP 4 _____
INSP 2 4/15/2010 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: _____ PERMIT- HOOT H-600 BNR P 532576
SEPTIC SYSTEM

APPROVAL DATE: 4/29/10 Tax ID # 05445442 A 517386

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

Trinity Quality Homes, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 3675 Park Ave, Ste301, EC MD 21043 PHONE NUMBER: _____

SUBDIVISION: Tax Map 41, Parcel 506 LOT NUMBER: 4

ADDRESS: 12123 Fulton Ridge Drive PROPERTY OWNER: Sundarayya Kingsley

HOOT SYSTEM BNR H-600 CAPACITY (GALLONS): 750gpd **Top Seamed Three Compartment Tank including Pump Chamber**

PUMP CHAMBER CAPACITY (GALLONS): 750g

LOCATION:	Installation of new 'Hoot' System tank should be kept 100' from existing well or no closer than existing tanks.
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NOTES:	A test of the blower, alarm, sensors in pump chamber, and the unit itself is required. Install Hoot system unit per manufacturer's instructions. A variance was approved to allow the tank depth to be a maximum of 5' deep
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Note: *** Certification start - up letter from manufacturer needs to be sent into Health Depart. Prior to septic system approval. ***

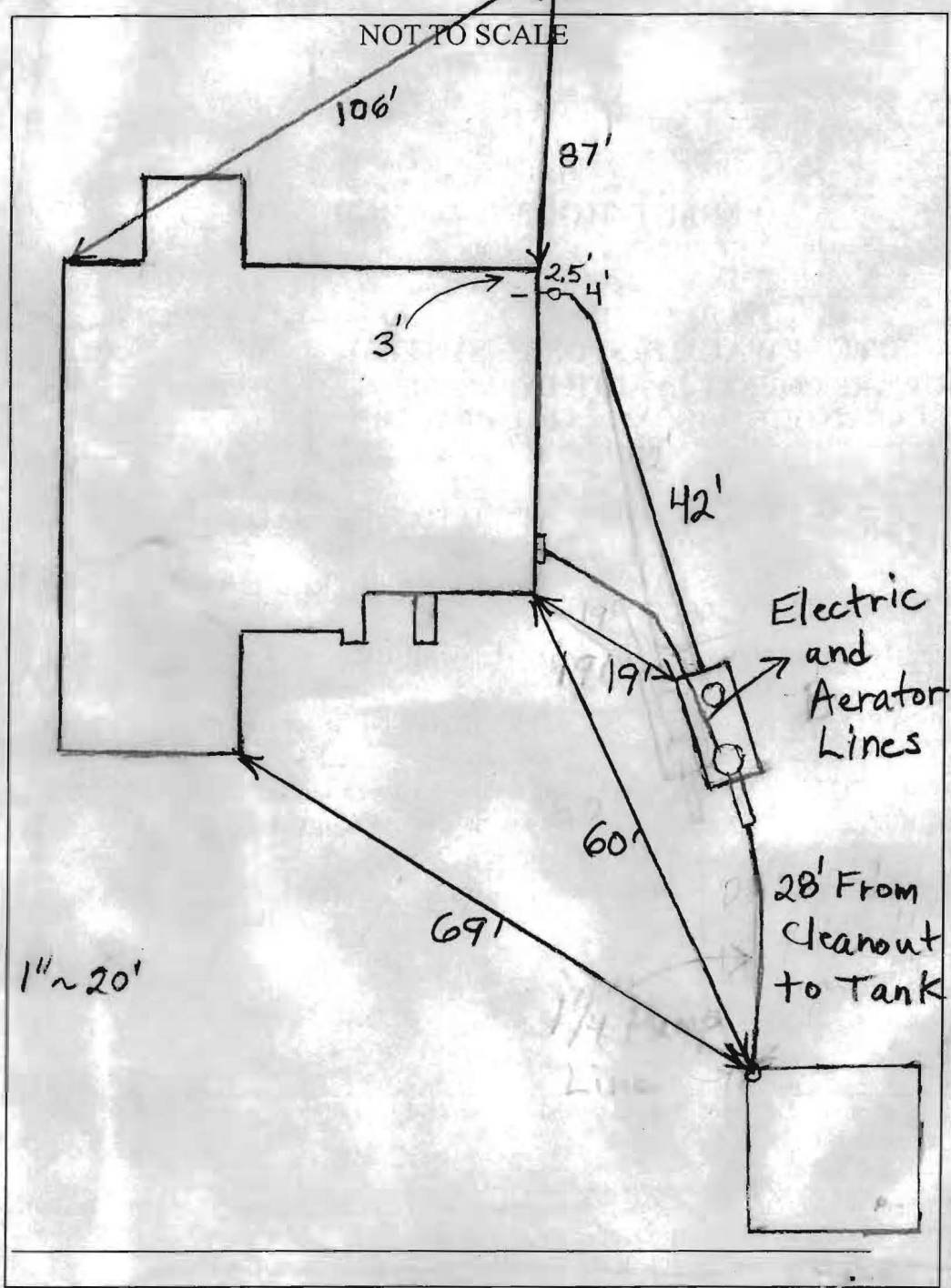
*3' Max Depth, Why Variance?
Hoot Units Can Not Be Deeper Than 3'*

PLANS APPROVED: Robert Bricker DATE: 3/24/10

- 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**

HO-95-0538



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM

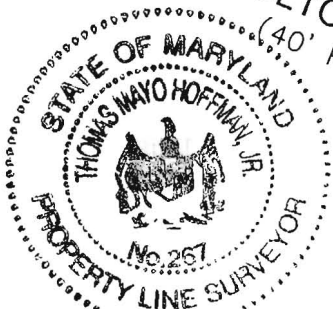
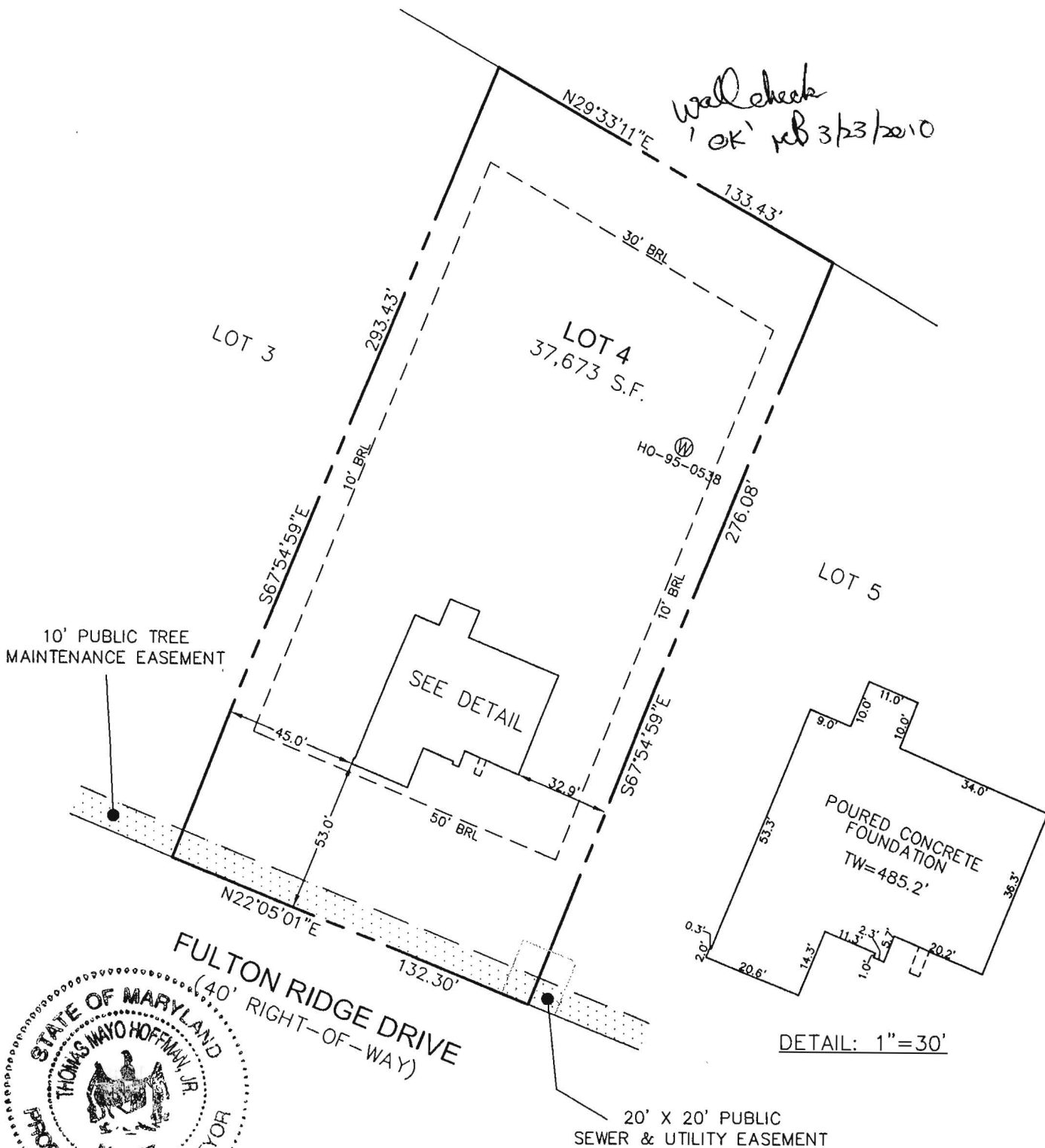
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Mayer Bros - Hoot
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	2-2.5'
BAFFLES	2 Front
BAFFLE FILTER	No
MANHOLE LOC	Front+Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No
PUMP/SEPTIC TANK LEVEL	N/A
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	

PRE-CONSTRUCTION
 4/14/2010 Install hoot unit 20' from house and 10' from property line. Hoot unit cannot be

deeper than 3'. (BB) 4/15/2010 Hoot chamber set. House connection made. Pump line ran to dist. box. Not able to make start-up. Bruce has completion letter from Mayer Bros. Need approval from utilities. (BB)

FINAL INSPECTOR K W DATE OF APPROVAL 4/29/2010

MARYLAND STATE GRID MERIDIAN (NAD83/91)



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

Thomas M. Hoffman Jr. 10.07.09
 THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

B.P.# B09001790
 12123 FULTON RIDGE DRIVE
 SEWER PROVIDED BY FORCE
 MAIN CONTR. NO. 50-4293-0

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

SCALE 1"=50'	DATE 10/05/09	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLCOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	WALL CHECK DRAWING LOT 4 FULTON RIDGE PLAT No. 18906 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY A.M.S.	CHECKED BY T.M.H.		
PLAT NUMBER 18905-18907	JOB NUMBER 09-017.00		

Circuit Court for
HOWARD COUNTY
Clerk of the Court,
MARGARET D. RAPPAPORT
8360 COURT AVENUE
ELLCOTT CITY, MD 21043-
(410) 313-2111

Transaction Block:	1
Ref: 213	
MISC	AMOUNT
IMP FD SURE \$5	20.00
RECORDING FEE \$20.00	20.00
PHOTOCOPY-A	1.50
SUBTOTAL:	41.50
TOTAL CHARGES:	41.50
PAYMENTS	
CHECK	41.50
TOTAL TENDERED:	41.50

Cashier: JME Reg # CH05

Rcpt # 88687

Date: Mar 31, 2010 Time: 03:00 pm

~~817000~~



**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 27th day of MARCH, 2010, among Sundarayya P. Kingsley and Anita Sheba Kingsley, hereinafter collectively referred to as "Owner", the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 12123 Fulton Ridge Drive (Fulton Ridge subdivision, Lot 4), in the 5-06 Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 11840 Folio 426.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system, but an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, must be installed as part of the sewage disposal system for a 6-bedroom home with 6172 square feet of finished living space and 0 square feet of unfinished living space. This lot is connected to the shared sewage disposal system. Advanced pre-treatment has been required in order to reduce nitrogen levels based on a nitrogen study completed for the Fulton Ridge subdivision.

NOW, THEREFORE, the parties hereto agree as follows:

20
20
1-30C
JE

A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.


I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.



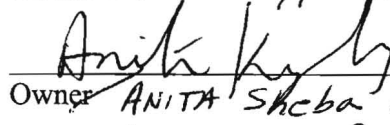
J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.


DATE: 03/27/10


Owner SUNDARAYYA P. KINGSLEY

DATE: 03/27/10

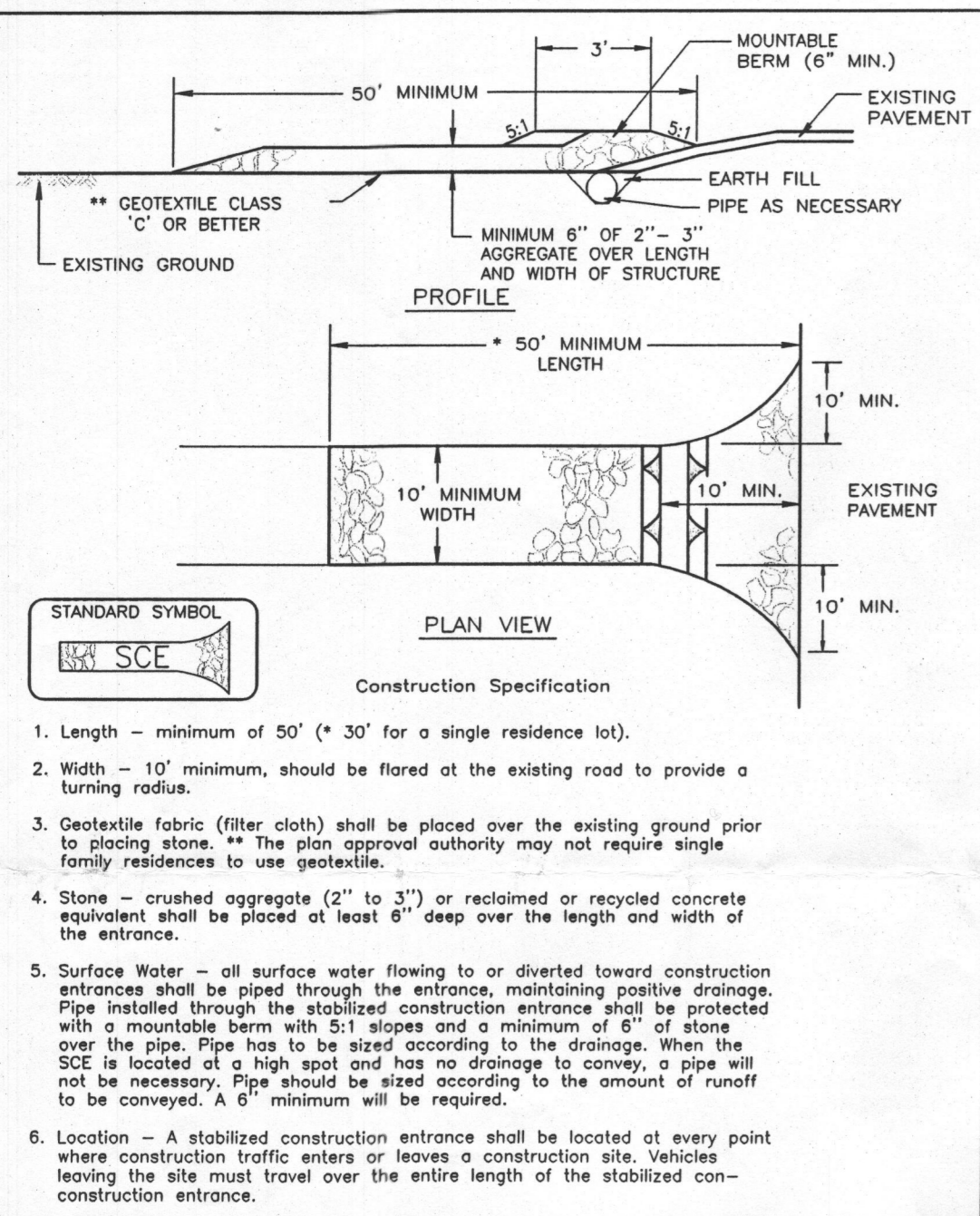

Owner ANITA Sheba Kingsley

DATE: 3/31/10

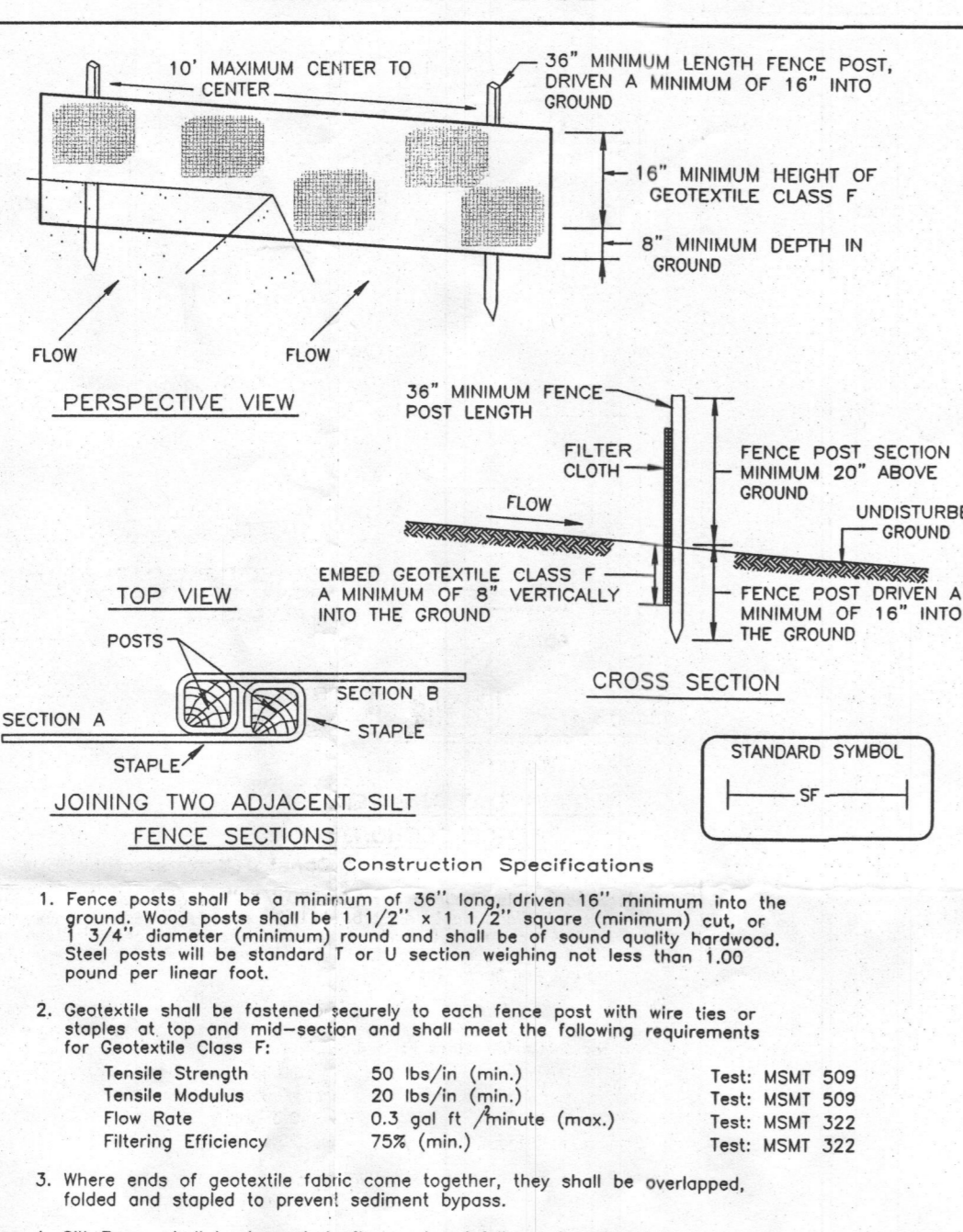

Howard County Health Department
Peter L. Beilenson, M.D., M.P.H., Health Officer

TMP FD SURF \$	20.00
RECORDING FEE	20.00
PHOTOCOPY-A	1.50
TOTAL	41.50
Rec# CH05	Rec# 88637
MIR JME	Blk # 1
Mar 31, 2010	03:00 PM

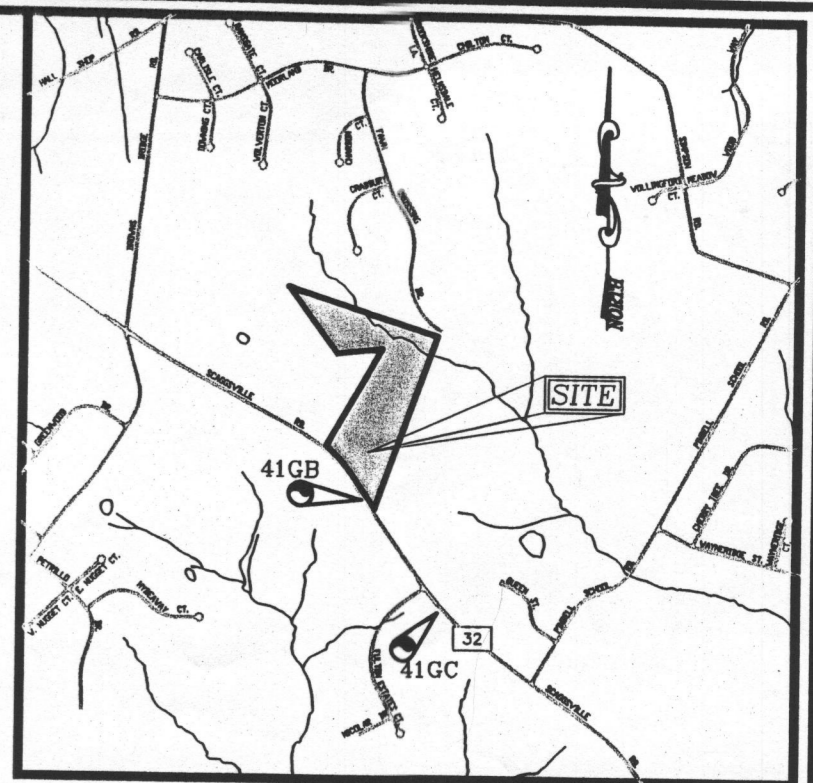
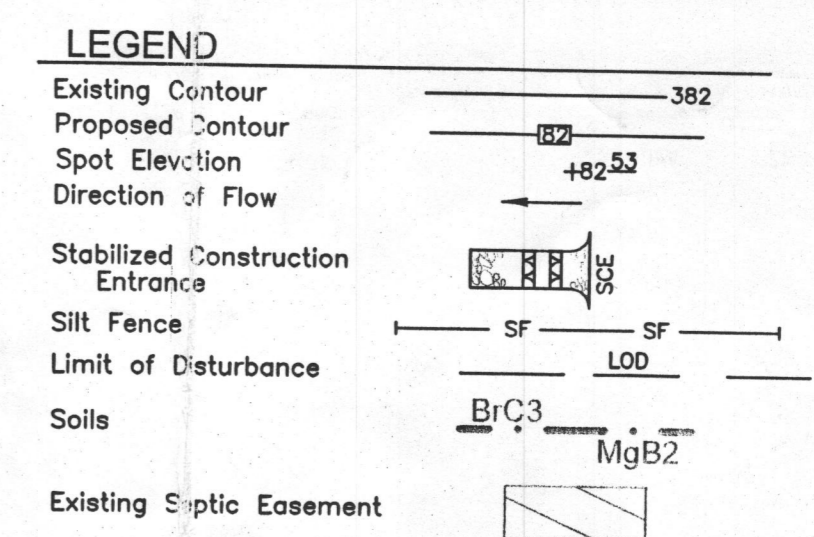
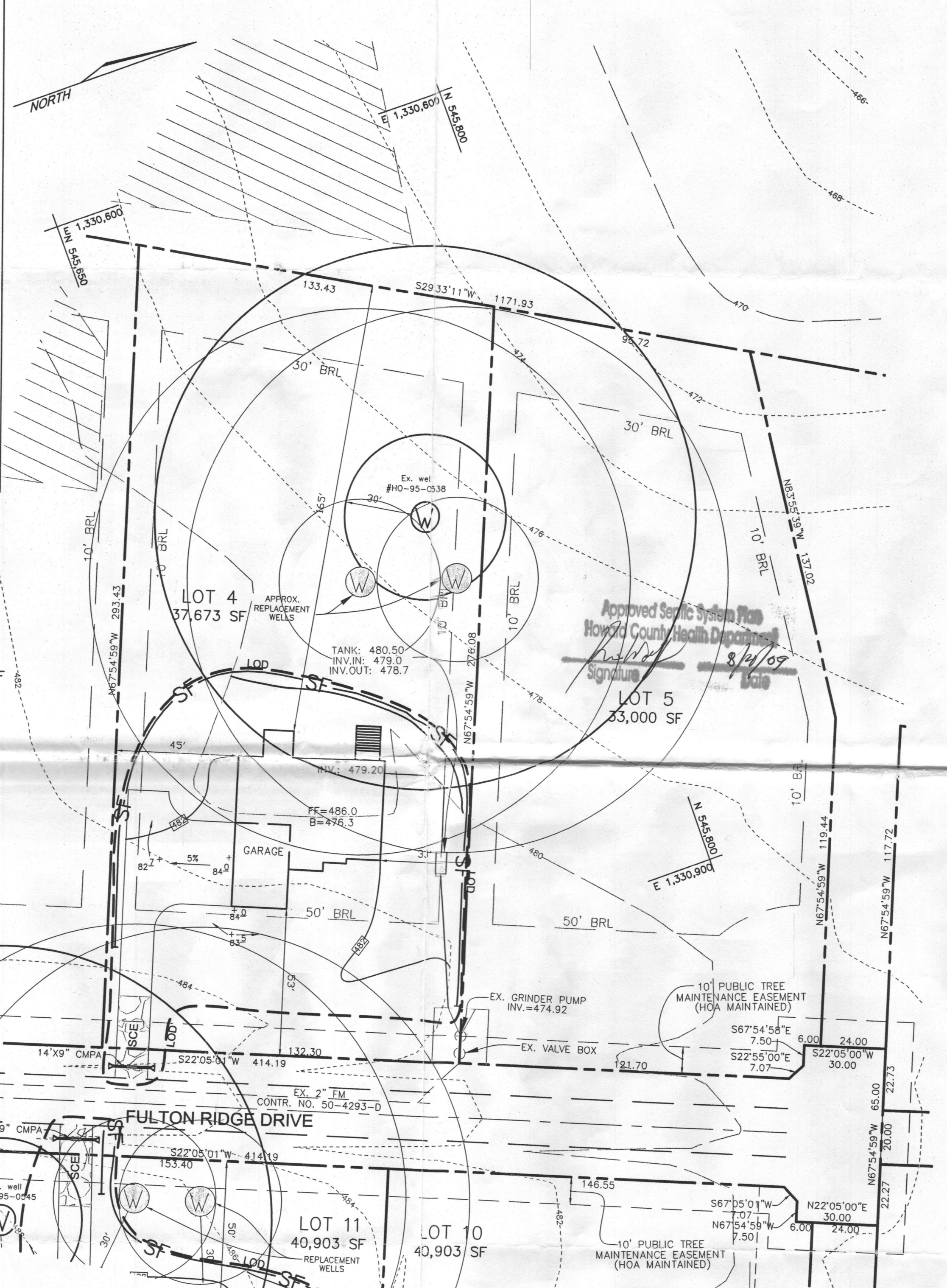
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



DETAIL 22 - SILT FENCE



PLOT PLAN
FULTON RIDGE
LOT 4



- GENERAL NOTES**
- Length of trenches to be determined at time of permit issuance.
 - Existing topography based on approved plan F-06-111.
 - Reference: Plat No. 18905.
 - Stormwater management for this lot is provided by stormwater management credits using grass channels, rooftop disconnection credits, sheet flow to buffer credits, and natural conservation credits and approved under F-06-111.

- SEDIMENT CONTROL NOTES**
- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
 - All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
 - Following initial soil disturbance or disturbance, permanent or temporary stabilization shall be completed within: (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days as to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:

Total Area	0.86 Acres
Area Disturbed	0.35 Acres
Area to be roofed or paved	0.11 Acres
Area to be vegetatively stabilized	0.24 Acres
Total Cut	208 cy
Total Fill	206 cy
Offsite waste/borrow area location	*

- PERMANENT SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
- Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.).
 - Acceptable-Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.
- SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (14 lbs./1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.5 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 3 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.
- MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

- TEMPORARY SEEDING NOTES**
- SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.).
- SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq.ft.) for the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 lbs./1000 sq.ft.). 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 sod.
- MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 3 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.
- REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

The existing well shown on Lot 4 Tag No. HO-95-0538 has been field located by Robert H. Vogel Engineering, Inc. Building of Lot 4 floor areas:
Basement Floor Area: 1770
First Floor Area: 1842
Second Floor Area: 2275

For Grading Permit reference GP-09-91

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE F-17-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE E-15-3	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetable 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**
- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - 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.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with limestone 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 set forth in these specifications. Typically, 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.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 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.

- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

- SEQUENCE OF CONSTRUCTION**
- Obtain grading permit.
 - Install sediment controls as shown on plan in accordance with details.

1 Day	1 Day
3 Days	3 Days
6 Months	6 Months
 - Grade site.
 - Construct house.
 - After the site is permanently stabilized and permission is granted from the Howard County Sediment Control Inspector, remove sediment controls and stabilize any remaining disturbed areas.

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE

ENGINEERS CERTIFICATE

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

SIGNATURE OF ENGINEER
ROBERT H. VOGEL, PE 16193 DATE

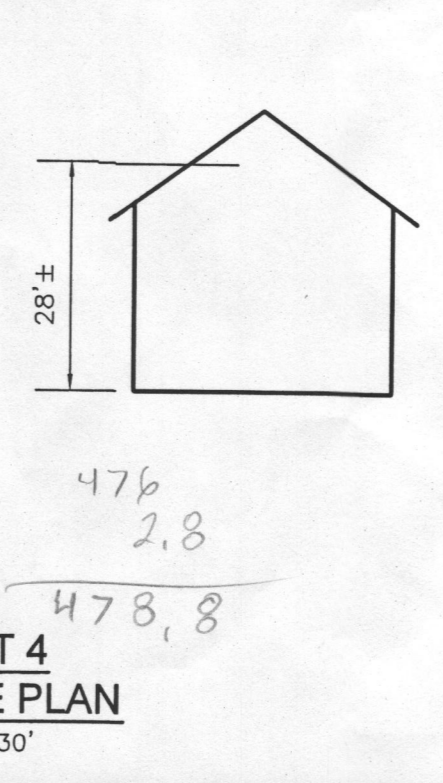
DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT 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.

SIGNATURE OF DEVELOPER
Thomas M. Hoffman, Jr. DATE 7-29-09

THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY ROBERT H. VOGEL ENGINEERING, INC. PROFESSIONAL LAND SURVEYORS, AND ARE ACCURATELY SHOWN.

THOMAS M. HOFFMAN, JR.
PROPERTY LINE SURVEYOR, #267 DATE 7-29-09



OWNER/DEVELOPER
MICHEL L. FRAL
3675 PARK AVENUE, STE. 301
ELICOTT CITY, MD 21043
(410) 480-0023

**PLOT PLAN
FULTON RIDGE
BUILDING PERMIT #
LOT 4**

TAX MAP 41 GRID 13 PARCEL 2
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**ROBERT H. VOGEL
ENGINEERS • SURVEYORS • PLANNERS**
8407 MAIN STREET
ELICOTT CITY, MD 21043 FAX: 410.481.8566

DESIGN BY: CO
DRAWN BY: HS
CHECKED BY: RHV
DATE: MAY 2009
SCALE: 1"=30'
W.O. NO.: 09-17

PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16193 EXPIRATION DATE 08-27-2010

1 SHEET OF 1