

LAYOUT 3/22/07 INSP 4 _____
 INSP 2 3/26/07 INSP 5 _____
 INSP 3 3/27/07 INSP 6 _____

ISSUE DATE: 1/19/07

APPROVAL DATE: 3/27/07

PERMIT
 INDEXED

TAX ID # 05-437148

P 526194

A 513618-MM

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

Hatfields IS PERMITTED TO INSTALL ALTER

ADDRESS: 8159 Brock Bridge Rd PHONE NUMBER: _____

SUBDIVISION: Buckskin Ridge LOT NUMBER: 37

ADDRESS: 4316 Buckskin Wood Dr PROPERTY OWNER: COLUMBIA BUILDERS

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 199

TRENCHES:	Trench to be 3 feet wide. Inlet ⁴ feet below original grade. Bottom maximum depth ⁶ feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.
LOCATION:	
NOTES:	Install system per plan unless directed by sanitarian

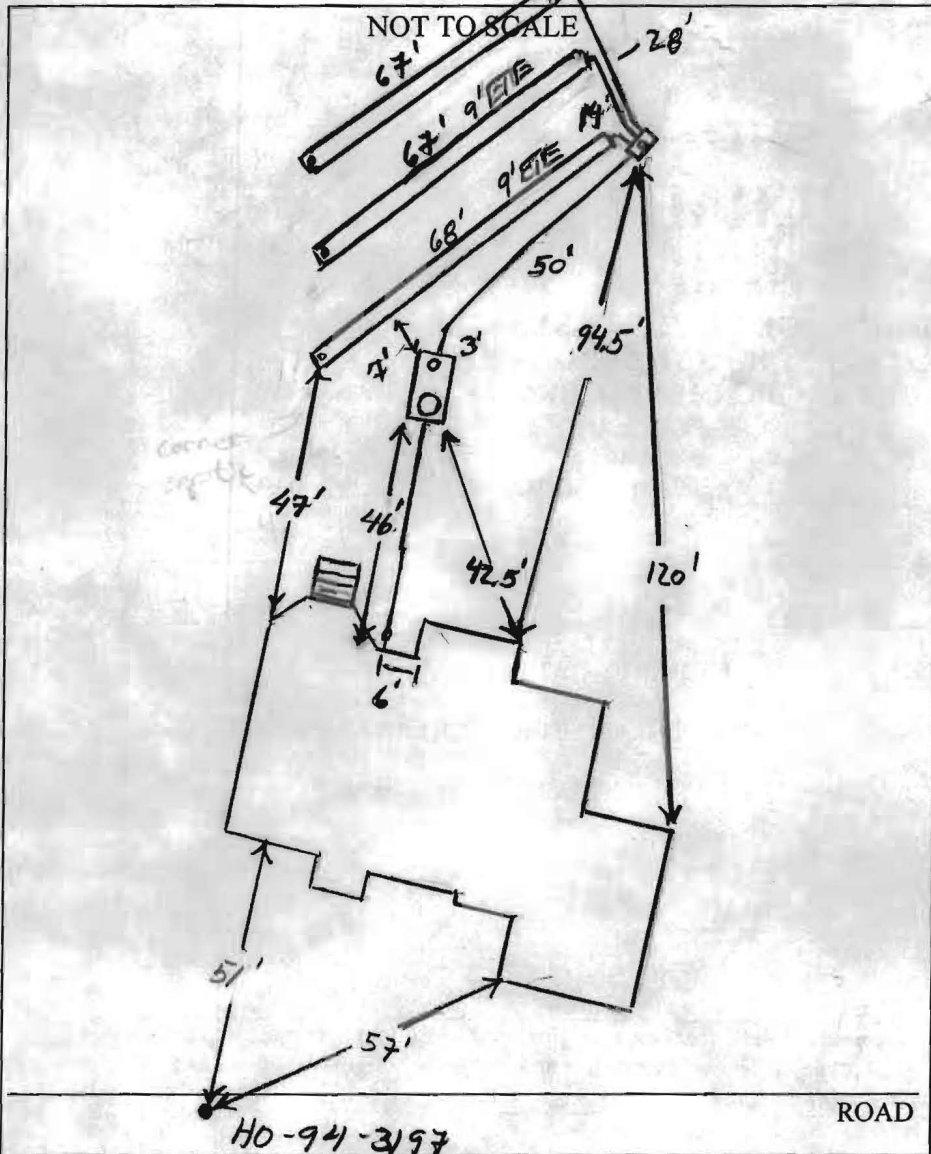
PLANS APPROVED: SF DATE: 12/4/06

- 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 UNLESS SPECIFICALLY AUTHORIZED

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 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM

2/6/08 - B08000276 - 30x20 Deck

P526194



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES <u>3</u>		
TOTAL LENGTH <u>203'</u>		
ABSORPTION AREA <u>609' + SW</u>		
DISTRIBUTION BOX LEVEL <u>Yes</u>		
DISTRIBUTION BOX BAFFLE <u>Yes</u>		
DISTRIBUTION BOX PORT <u>Yes</u>		

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<u>Yes</u>
SEPTIC TANK 2 LEVEL	<u>Yes</u>
Babylon CAPACITY	<u>1500</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2-3'</u>
BAFFLES	<u>Yes 6" Front</u>
BAFFLE FILTER	<u>---</u>
MANHOLE LOC	<u>Front</u>
6" PORT LOC	<u>Rear</u>
WATERTIGHT TEST	<u>---</u>
SEPTIC TANK 2 LEVEL	
CAPACITY	--- GAL
SEAM LOC	---
TANK LID DEPTH	---
BAFFLES	---
BAFFLE FILTER	---
MANHOLE LOC	---
6" PORT LOC	---
WATERTIGHT TEST	---

Babylon
2-comp
slotted

PRE-CONSTRUCTION 3/22/07 Gave specific instruction on placement of septic tanks. SRA not staked. No layout given. OK to INSTALLATION set tank and plumbing from house to tank. Call for layout when septic area is staked (KW) 3/26/07 Contractor to install D box as shown on plan. Install 3x 67' trenches on contour, 12' c.t.c., back towards to p-left corner of dwelling. S.T. and plumbing from house to D box installed (KW) 3/27/07 System complete. 4' inlet on all trenches, bottom 6". OK to backfill (KW)

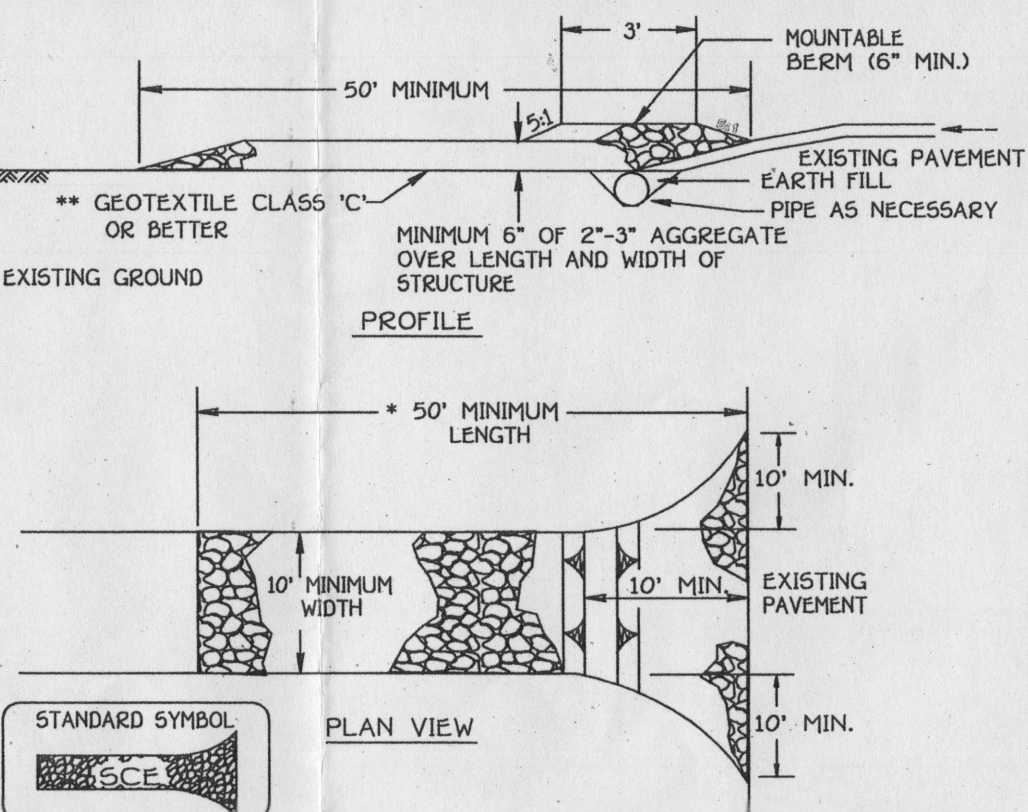
FINAL INSPECTOR Ki Waff DATE OF APPROVAL 3/27/07

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (03-18-09).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 17 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PROTECTIVE SLOPES AND ALL SLOPES STEEPER THAN 3:1 IN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRANSPORTING SHOWS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THESE PERIMETERS IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1998 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 50, 500 (SEC. 24), TEMPORARY SEEDING (SEC. 50, AND MULCHING (SEC. 50, 500 (SEC. 24), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SLOPES DO NOT ALLOW FOR PROPER VEGETATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMSSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:**
 - TOTAL AREA OF SITE: 0.952 ACRES
 - AREA DISTURBED: 0.330 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.119 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 0.24 ACRES
 - TOTAL CUT: 200 CUBIC YDS.
 - TOTAL FILL: 340 CUBIC YDS.

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 THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER (0.4 LBS./1,000 SQ.FT.)
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1/2 BUDEL PER ACRE OF ANNUAL RYE (12 LBS./ACRE OF WEEDING LOVEGRASS (07 LBS./ACRE) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28. PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.
- MULCHING:**
APPLY 1 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNMATTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE OF 1/2" GALVANIZED OR DISC. ASPHALT ON FLAT ACRES, ON SLOPES 3 FEET OR HIGHER USE 340 GALLONS PER ACRE (9 GAL./1,000 SQ.FT.) FOR ANCHORING.
- MAINTENANCE:**
REFER TO THE 1998 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



Construction Specification
NOT TO SCALE

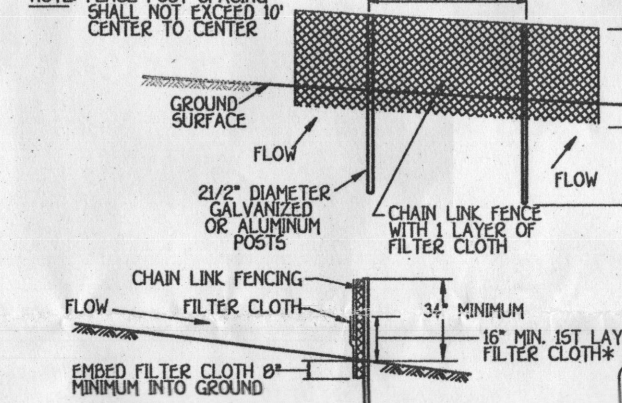
PERMANENT SEEDING NOTES

- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS:**
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 9-20-20 FERTILIZER (0.4 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA/AMMONIUM FERTILIZER (0.4 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (0.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1/2 BUDEL PER ACRE OF ANNUAL RYE (12 LBS./ACRE OF WEEDING LOVEGRASS (07 LBS./ACRE) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28. PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU.
- MULCHING:**
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNMATTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 230 GALLONS PER ACRE (9 GAL./1,000 SQ.FT.) OF DISPERSED ASPHALT ON FLAT ACRES, ON SLOPES 3 FEET OR HIGHER, USE 340 GALLONS PER ACRE (9 GAL./1,000 SQ.FT.) FOR ANCHORING. REFER TO THE 1998 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.
- PERMANENT SEEDING NOTES:**
ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDING PREPARATION:**
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:**
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 9-20-20 FERTILIZER (0.4 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA/AMMONIUM FERTILIZER (0.4 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (0.5 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.
- SEEDING:**
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1/2 BUDEL PER ACRE OF ANNUAL RYE (12 LBS./ACRE OF WEEDING LOVEGRASS (07 LBS./ACRE) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28. PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOU, OPTION C) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.
- MULCHING:**
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNMATTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE OF 1/2" GALVANIZED OR DISC. ASPHALT ON FLAT ACRES, ON SLOPES 3 FEET OR HIGHER USE 340 GALLONS PER ACRE (9 GAL./1,000 SQ.FT.) FOR ANCHORING.
- MAINTENANCE:**
INSPECT ALL SEEDER AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNCRACK AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss 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 ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 6" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% 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 Geotextile Class F:



Construction Specifications
NOT TO SCALE

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss 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 ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 6" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% 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 Geotextile Class F:

Slope	Slope Steepness	Slope Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 101	Unlimited	Unlimited
10 - 20%	101 - 51	200 feet	1,500 feet
20 - 33%	51 - 31	100 feet	1,000 feet
33 - 50%	31 - 21	100 feet	500 feet
50 +	21 +	50 feet	250 feet

SUPER SILT FENCE

NOT TO SCALE

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss 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 ties spaced every 24" at the top and mid section.
4. Filter cloth shall be embedded a minimum of 6" into the ground.
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% 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 Geotextile Class F:

Slope	Slope Steepness	Slope Length (maximum)	Silt Fence Length (maximum)
0 - 10%	0 - 101	Unlimited	Unlimited
10 - 20%	101 - 51	200 feet	1,500 feet
20 - 33%	51 - 31	100 feet	1,000 feet
33 - 50%	31 - 21	100 feet	500 feet
50 +	21 +	50 feet	250 feet

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN. 1 DAY
- CLEAR AND GRAD TO LIMITS OF DISTURBANCE AND MASS GRADE TO SUB-BASE. 1 DAY
- INSTALL TEMPORARY SEEDING. 1 DAY
- CONSTRUCT BUILDINGS. 2 MONTHS
- FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE. 1 DAY
- REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR. 2 DAYS

LEGEND

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
---	SILT FENCE & TREE PROTECTION
---	SUPER SILT FENCE
---	LIMITS OF DISTURBANCE
○	EXISTING STREET TREES FROM F-01-191

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. APPROVED:

John M. Greenfield
HOWARD SOIL CONSERVATION DISTRICT
DATE: 10/23/06

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim M. Greenfield
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE
DATE: 10/23/06

SUPER SILT FENCE, TREE PROTECTION FENCE

NOT TO SCALE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY 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."

P. James Greenfield
SIGNATURE OF DEVELOPER
DATE: 10-20-06

ENGINEER'S CERTIFICATE

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

Earl D. Collins
SIGNATURE OF ENGINEER
DATE: 10-20-06

SEDIMENT/EROSION CONTROL PLAN, NOTES & DETAILS

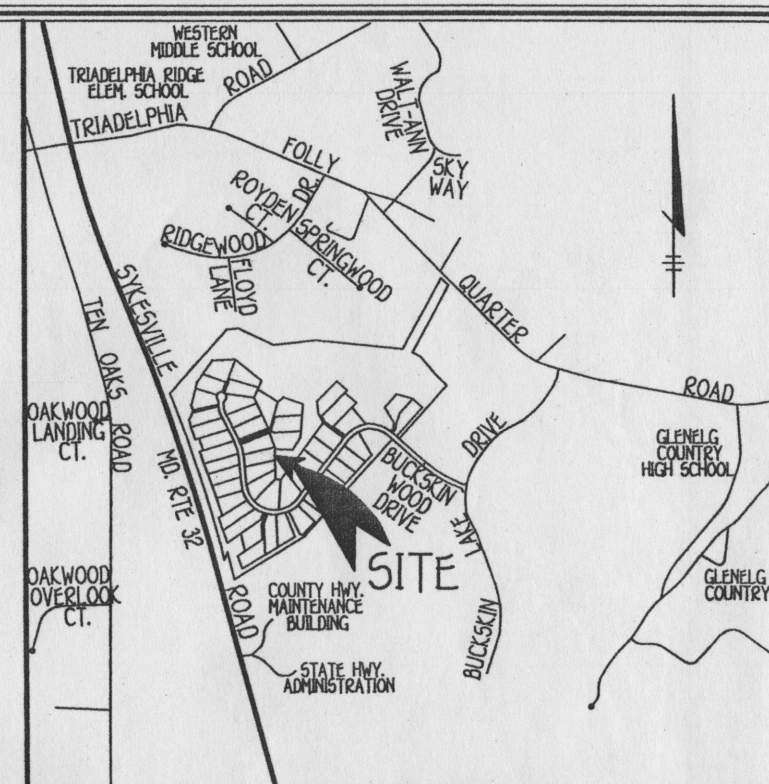
BUCKSKIN RIDGE

LOT 37

ZONED RR-DEO
5TH ELECTION DISTRICT
SCALE: 1" = 30'

PLAT NO. 15704
HOWARD COUNTY, MARYLAND
DATE: OCTOBER, 2006

G.P. 07-22

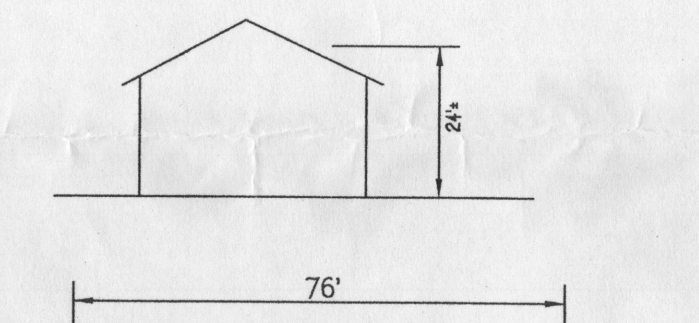
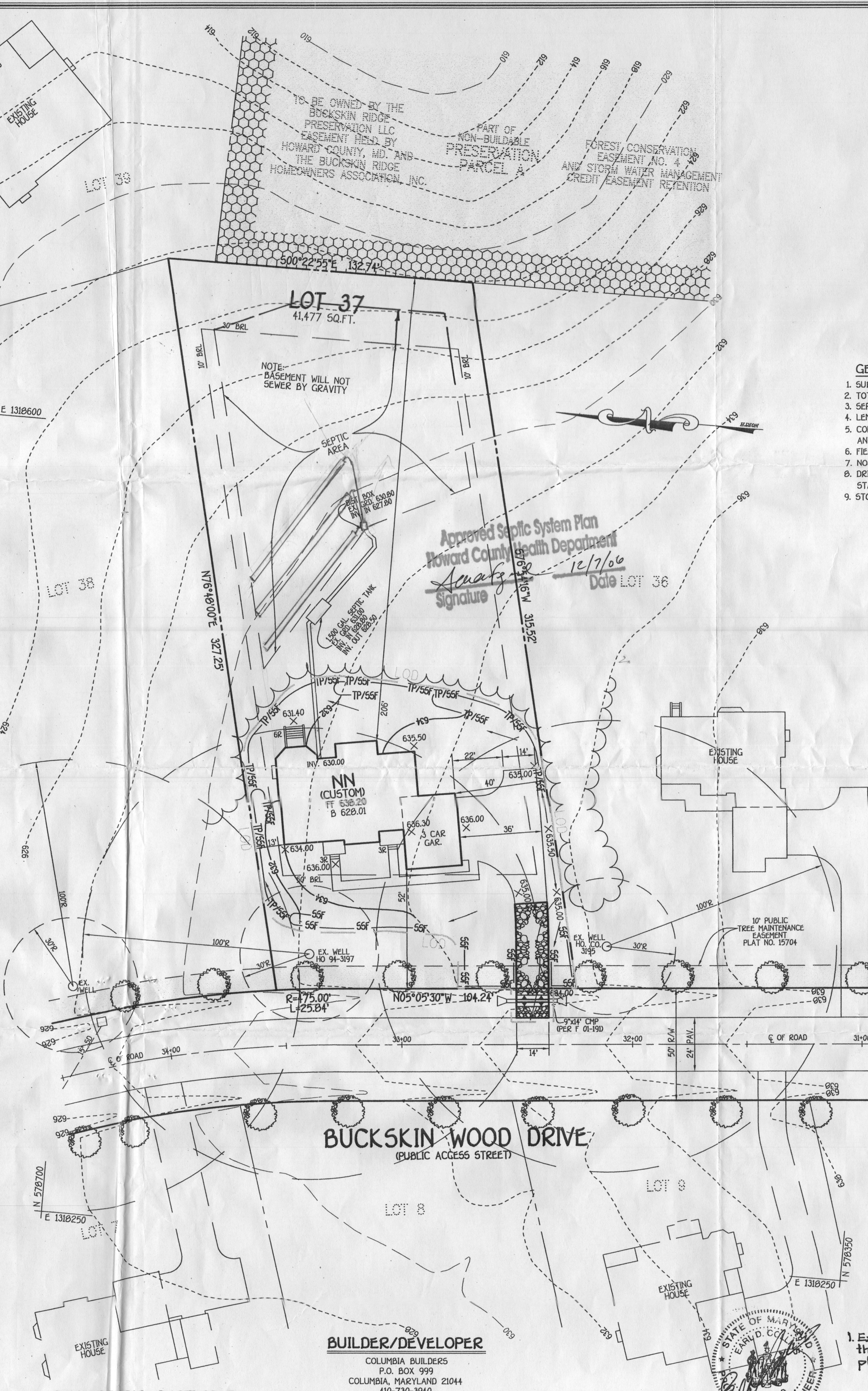


GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO
- TOTAL AREA OF PROPERTY: 41,477 SQ.FT.
- SEPTIC BASIN SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
- FIELD RUN TOPOGRAPHIC SURVEY DONE BY CLARK, FINEROCK & SACKETT, INC.
- NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
- DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE IN ACCORDANCE WITH APPROVED CULVERT SIZE SHOWN ON F-01-191.
- STORMWATER MANAGEMENT IS PROVIDED UNDER F-01-191.

NOTE

THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HD 94-3197 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



Extend septic easement to the rear of the lot as shown on the approved record plat.
Dec 4, 2006

