

Tax ID - 03 - 317536

LAYOUT 4/1/03 11AM INSP 4 _____
INSP 2 4/2/03 2pm INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 2/11/2003

P 518541

APPROVAL DATE: 4/2/03

A 47501

**PERMIT
INDEXED**

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

Hatfield's Equipment IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS: 13785 Burntwoods Rd., 21737 PHONE NUMBER: 301-854-6172
SUBDIVISION: Woodmark (Wakefield) LOT NUMBER: 5
ADDRESS: 12152 Mt. Albert Court PROPERTY OWNER: Mark DeVries
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: 240 HOUSE SERVED BY PUBLIC WATER ☐

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Starting at Mt. Albert Court go to a point 183 feet up the (449.63') right lot line. Place the distributio box 23 feet from that point. Install trench on contour toward the left lot line.
NOTES:	Maintain 100 feet maximum distance from the well to any part of the septic system.

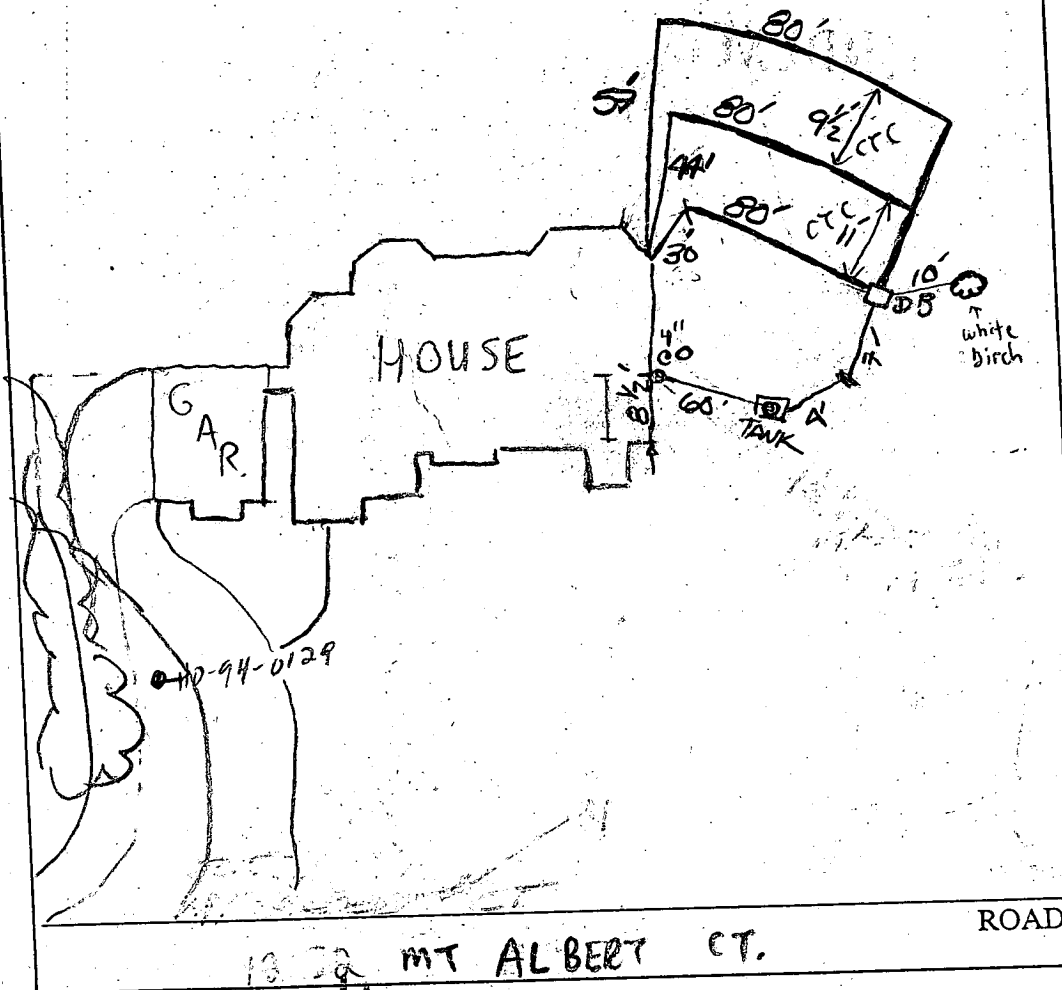
PLANS APPROVED: Ron J. Pinkley 06 9/10/02 (50) DATE: 7/05/2002

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A47501

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'	4.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720ft ²
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		NO

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	Yes
BAFFLE FILTER	NA
MANHOLE LOC	Center
6" PORT LOC	NO
WATERTIGHT TEST	NA
SEPTIC TANK 2 LEVEL	NA
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	_____
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION ^{4/1/03-} TWO MANHOLE 1500G TANK INSTALLED. TANK and d. box per plan, top per plan. Trench closest to house 25' away. (FA/KN)

INSTALLATION 4/6/03 TANK 2-2 1/2' FROM GRADE, OK TO COVER ALL WORK. (FA/KN) SRK 4-16-03 WPI OK.

FINAL INSPECTOR Kacie Noonan DATE OF APPROVAL 4/2/03

[illegible]

May 30 03 09:04a

HO CO ENV HEALTH

14103132648

p. 1

Allen Leg

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval

Company Name: UNITED PLUMBING Telephone #: 410-995-6505

Address: 9305 GERWIG LN.
COLUMIA MD 21046

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): LAWRENCE BASKETTE License # 3479

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: MARK DEVERIOS Telephone #: 410-884-3657

Subdivision: WAKEFIELD PROPERTY Lot #: 5 Well Tag #: HO-94-0129

Site Address: 12152 MT. ALBERT CT
ELLICOTT CITY MD 21042

Submersible Pump Data

Make: JACOZZI
Model #: T-154521062
Pump Capacity 10 GPM
Well Yield: GPM

Pitless Adapter

Make: PT-800
Model #: ONE BEANBY
Depth: 42" (36" min)
NSF approved: YES

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation 236 (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt YES

Piping to house

Type: Polyethylene
PSI: 160 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 10
Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

5/30/03
date

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 4/16/03

Date Insp. Approved: 4/16/03 KN SRK

Inspection Data: Pitless adapter and water supply line at least 36" below grade

Two piece cap installed and attached to casing securely

Elec. conduit extends at least 18" below grade/attached to cap properly

Safety rope installed inside of well casing

Correct well tag attached properly and casing 8" above finished grade

Water supply line sleeved adequately at house connection

Adequate grout observed below pitless adapter

APPLICATION

Penc 7/8/94
10:00

PERCOLATION TESTING

A 47501/47505

P 50105

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

PROPOSED OK
PROPOSING TO
ADJUST EXISTING
SEPTIC AREA.
OW/RP.

DISTRICT _____

DATE 6/22/94

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Harry + Carol Gowl

ADDRESS 12150 Mount Albert Ct, Ellicott City, MD PHONE 410-531-5481

AGENT OR PROSPECTIVE BUYER Karen + Rich Whitney

ADDRESS 9004 Fairview Rd, Silver Spring, MD PHONE 301-588-8951

PROPERTY LOCATION:

SUBDIVISION WOODMARK LOT NO. 5

ROAD AND DESCRIPTION Mount Albert Court

TAX MAP 22 PARCEL # 510

SIZE OF LOT 3.04 acres TYPE BLDG. Single Family (to be built)
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. [Signature] / Karen L. Whitney
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY # _____

SOIL PROFILE A

0' Topsoil (original A horizon was graded off)

Mid-Neutral Brn

Mica SL (Moist (yep!))

20% St (hard) Sparrolite @ 1 1/2 - 4 ft

few stones below 4' mvr

13'

West Beach

Mid Brn SIL

4' Februa Nicolun

Neutral Brn Nicolun

aglier water seepage

C

h SIL Mid Brns

2' Van orange / Brn white SL - LS

gray / white SL

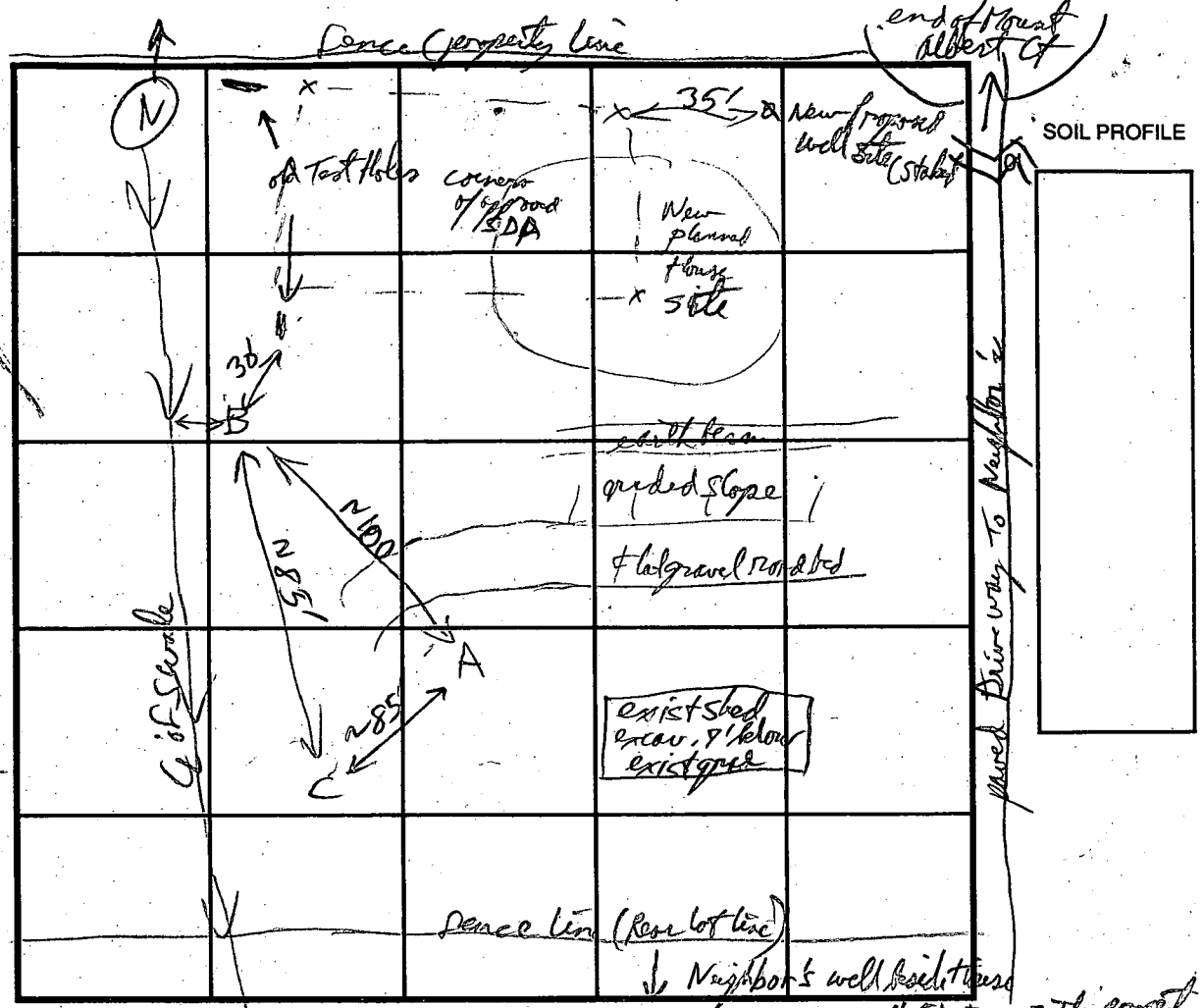
dark Brn / Med Brn

Mix gray / dark Brn / Lows

Med Brn / gray white

Mica Brn / cut SL

13' water seepage



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. 200' FT From South property line

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/8/94	A	repaired	10:59:00	11:00:45	11:00:45	11:02:34	about 2min
		1/3 1/2'	OK any depth				OK
	B	5'	5' pulled string peak - hole drained 6 1/2" in 1 hr ±				
		1/3'	water seepage @ 10' 3"				OK shallow
	C	5'	water seepage @ bottom of hole				OK shallow
		1/3 1/2'	repaired	11:53:30	11:56:00	11:45:30	2min
				11:44:50	11:45:30	11:46:40	

REMARKS area appears OK - with water table observations.

TYPE OF SOIL Manly / blandy - upper horizons removed at Test Hole A

TESTED BY R. H. H. ALSO PRESENT Mr. C. C. (Bedding) + Mr. C. C. (Bedding)

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2min TRENCH WIDTH 2'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 7' SQ. FT./BEDROOM 180

see old spec for upper area

10/9/91

APPLICATION

A47501

PERCOLATION TESTING

A REPAIR

P 47505

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE 9/25/91

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Harry & Carol Gowl

ADDRESS 12150 Mt. Albert Court, Ellicott City, MD PHONE 531-5481

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Woodmark LOT NO. _____

ROAD AND DESCRIPTION Mt. Albert Court

TAX MAP 22 PARCEL # 510

SIZE OF LOT _____ TYPE BLDG Existing House & New Lot
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Jack Fyock /s/
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

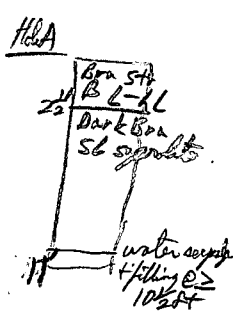
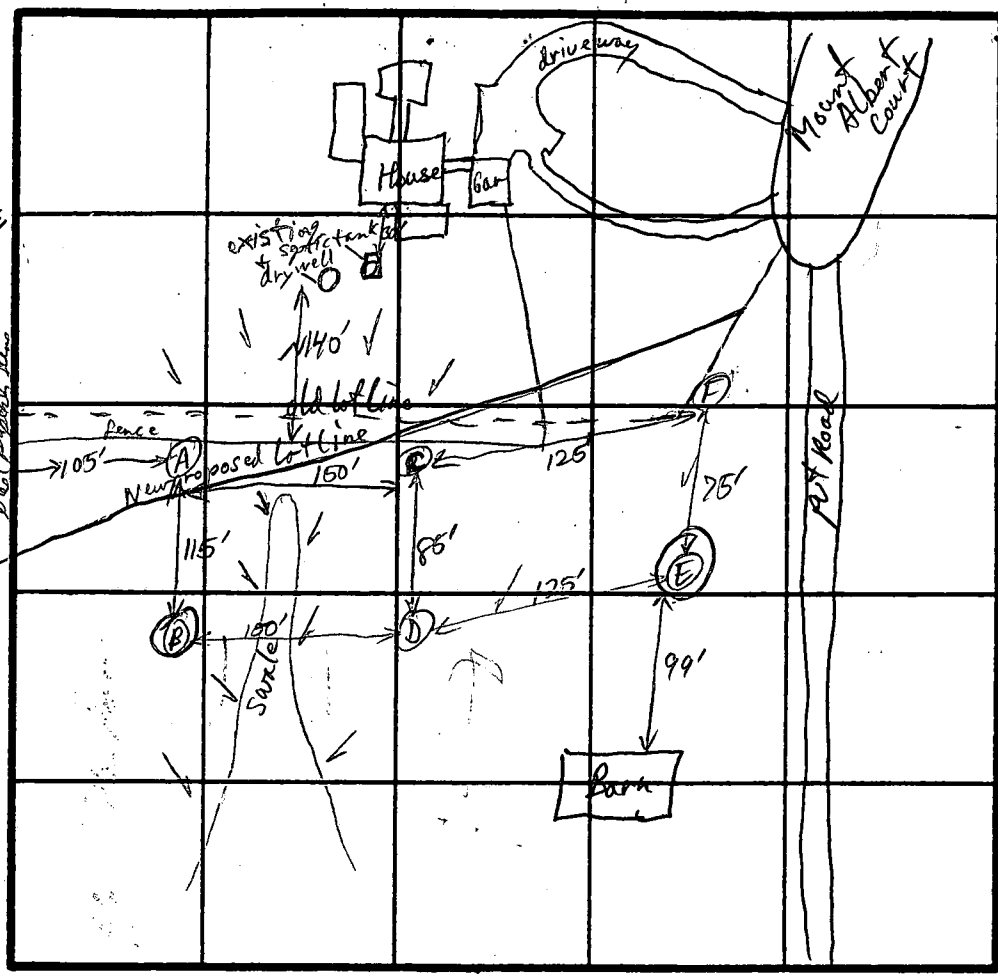
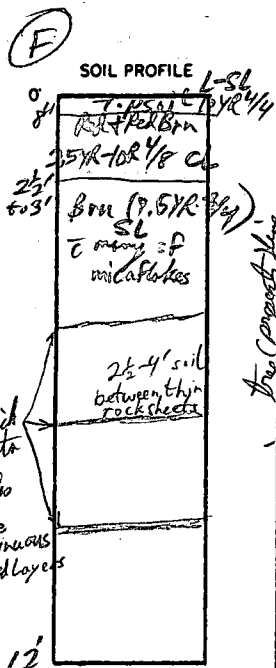
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

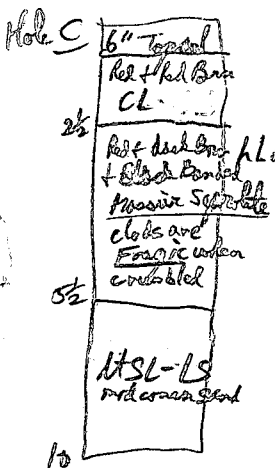
REASONS FOR REJECTION OR HOLDING qualification 150' from both SDA to proposed well site on proposed lots

HD-216

THIS IS NOT A PERMIT



See proposed plat of existing lot 1 for field sketch (this one was redrawn off that original)



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/9/91	A	11' water @ 10 1/2 ft	12:04:50	12:10:00	12:10:00	12:15:40	16 min
	B	6' - rock @ 2-4 ft					
	C	@ 3 1/2" wedge of rock from 8 1/2' deep in SE end of trench only	11:25:30	11:28:54	11:28:50	11:33:06	4 1/2 min
	D	@ 1 1/2' @ 3'	11:34:50	11:36:00	11:36:06	11:37:55	2 min
	E	@ 2 1/4' S	10:56:00	10:56:46	10:56:46	10:59:43	2 min
	F	@ 4 1/2' > 90% silt/clay	11:04:30				
		12' U	10:09:40	10:10:50	10:10:50	10:13:15	2 1/2 min

REMARKS Stay away from Trench E + B others are OK for 7-8 ft deep systems (8 1/2' for A)
 TYPE OF SOIL Eluvial silt loam + minor gravelly loam + very stony loam. (bedrock is granite schist)
 TESTED BY RJP only ALSO PRESENT Rocky Rockwell J. Rock

10-9-91 RJP

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

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.

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

1. 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.

2. 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

1. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SITE 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.

2. 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 1% BY VOLUME OF CONCRETE, STONES, SLAG, COARSE FRAGMENTS, DRAGL, 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 UNIFORMITY 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:

- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0. VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

4. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0. VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

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12. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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16. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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17. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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18. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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19. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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22. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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23. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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24. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

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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 THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, 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, CHAP. 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 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 CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMANENT STABILIZATION HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA	132,597 SF (3.04 AC)
AREA DISTURBED	30,707 SF (0.70 AC)
AREA TO BE PAVED OR GRADED	7,217 SF (0.17 AC)
AREA TO BE VEGETATIVELY STABILIZED	23,490 SF (0.54 AC)
TOTAL CUT	155 CY
OFFSITE WASTE/BORROW AREA LOCATION	N/A

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

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

• TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT.

• TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT.

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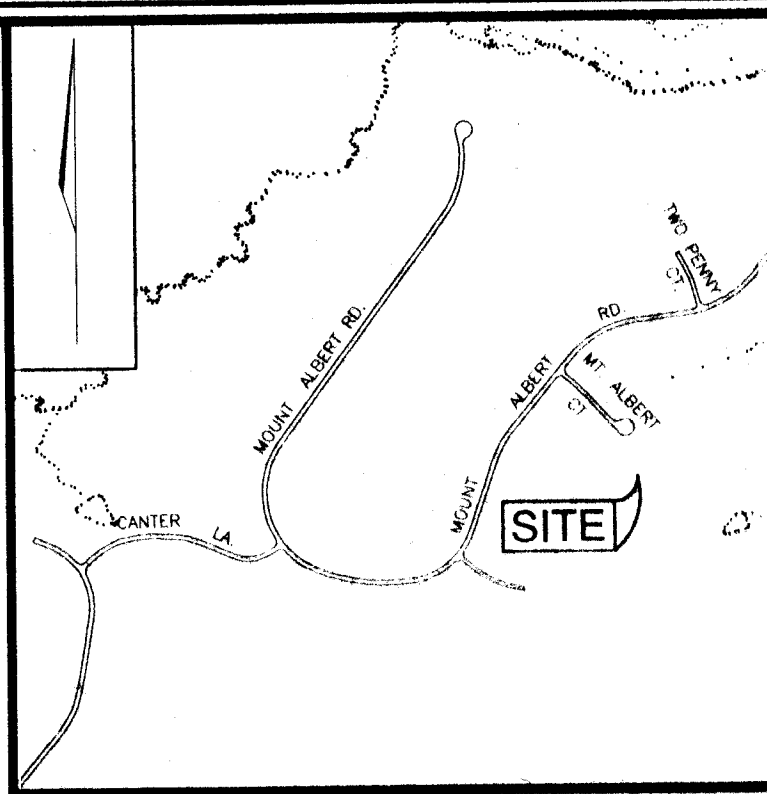
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VICINITY MAP

SCALE: 1"=200'

LEGEND

- 336 EXISTING 2 FT. CONTOUR
- 380 EXISTING 10 FT. CONTOUR
- PROPOSED 10 FT. CONTOUR
- LOD LOT OF DISTURBANCE
- SF SALT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- EXISTING SEPTIC CASEMENT
- EXISTING TREES

NOTES

THE PROPERTY OUTLINE IS BASED ON A FIELD RUN BOUNDARY SURVEY. THE EXISTING FEATURES AND CONTOURS SHOWN HEREON ARE BASED ON FIELD RUN TOPOGRAPHY PERFORMED BY FREDERICK WARD ASSOCIATES IN MAY, 2000.

DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES FOR THE FOLLOWING (MINIMUM) REQUIREMENTS:

- WIDTH - 12 FEET, 14 FEET IF SERVING MORE THAN ONE RESIDENCE
- SURFACE - (P-1) STANDARD PAVING
- GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND
- STRUCTURES (BRIDGES/CULVERTS) - CAPABLE OF SUPPORTING 25 GROSS
- DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
- MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROL AS SHOWN ON PLAN IN ACCORDANCE WITH DETAILS (1 DAY)
- CLEAR AND ROUGH GRADE SITE (1 WEEK)
- CONSTRUCT HOUSE (4 MONTHS)
- FINE GRADE AND STABILIZE THE SITE WITH TOPSOIL AND SEEDING (SEE NOTES THIS PLAN) (3 DAYS)
- AFTER THE SITE IS PERMANENTLY STABILIZED AND PERMITS ARE GRANTED FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

PLOT PLAN

WAKEFIELD PROPERTY
(part of Resubdiv of Lot 1, Wakefield)
LOT 5

TAX MAP 22
3RD ELECTION DISTRICT

PARCEL 510
HOWARD COUNTY, MARYLAND

FREDERICK WARD ASSOCIATES, INC.

7125 Riverwood Drive Columbia, Maryland 21046-2354

Phone: 410-290-9550 Fax: 410-720-6226

Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: JT

DRAWN BY: JT

CHECKED BY: JCO

DATE: JUNE 28, 2002

SCALE: 1"=50'

W.O. NO.: 2024039

1 SHEET OF 1

1

1

1

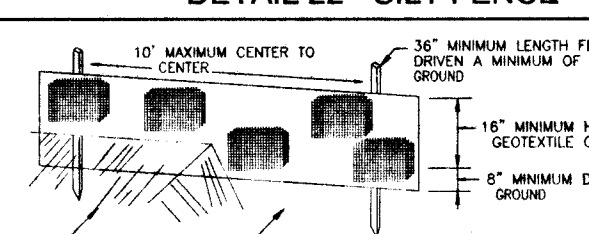
1

1

1

1

DETAIL 22 - SILT FENCE



PERSPECTIVE VIEW

TOP VIEW

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. LENGTH - MINIMUM OF 50' (4' 30" FOR A SINGLE RESIDENCE LOT).

2. WIDTH - 12" MINIMUM, SHOULD BE PLACED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

3. GEOTEXTILE FABRIC (OTHER THAN) SHALL BE PLACED OVER THE EXISTING GROUND SURFACE.

4. TOPSOIL SHALL BE PLACED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION SHALL BE CAPTURED BY THE SILT FENCE AND SHALL BE DISCHARGED TO THE EXISTING DRAINAGE SYSTEM.

6. LOCATIONS OF SILT FENCES SHALL BE INDICATED BY A RED LINE ON THE PLAN VIEW.

7. SILT FENCES SHALL BE MAINTAINED AND REPAIRED AS NEEDED THROUGHOUT CONSTRUCTION.

8. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

9. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

10. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

11. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

12. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

13. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

14. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

15. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

16. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

17. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

18. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

19. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

20. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

21. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

22. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

23. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

24. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

25. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

26. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

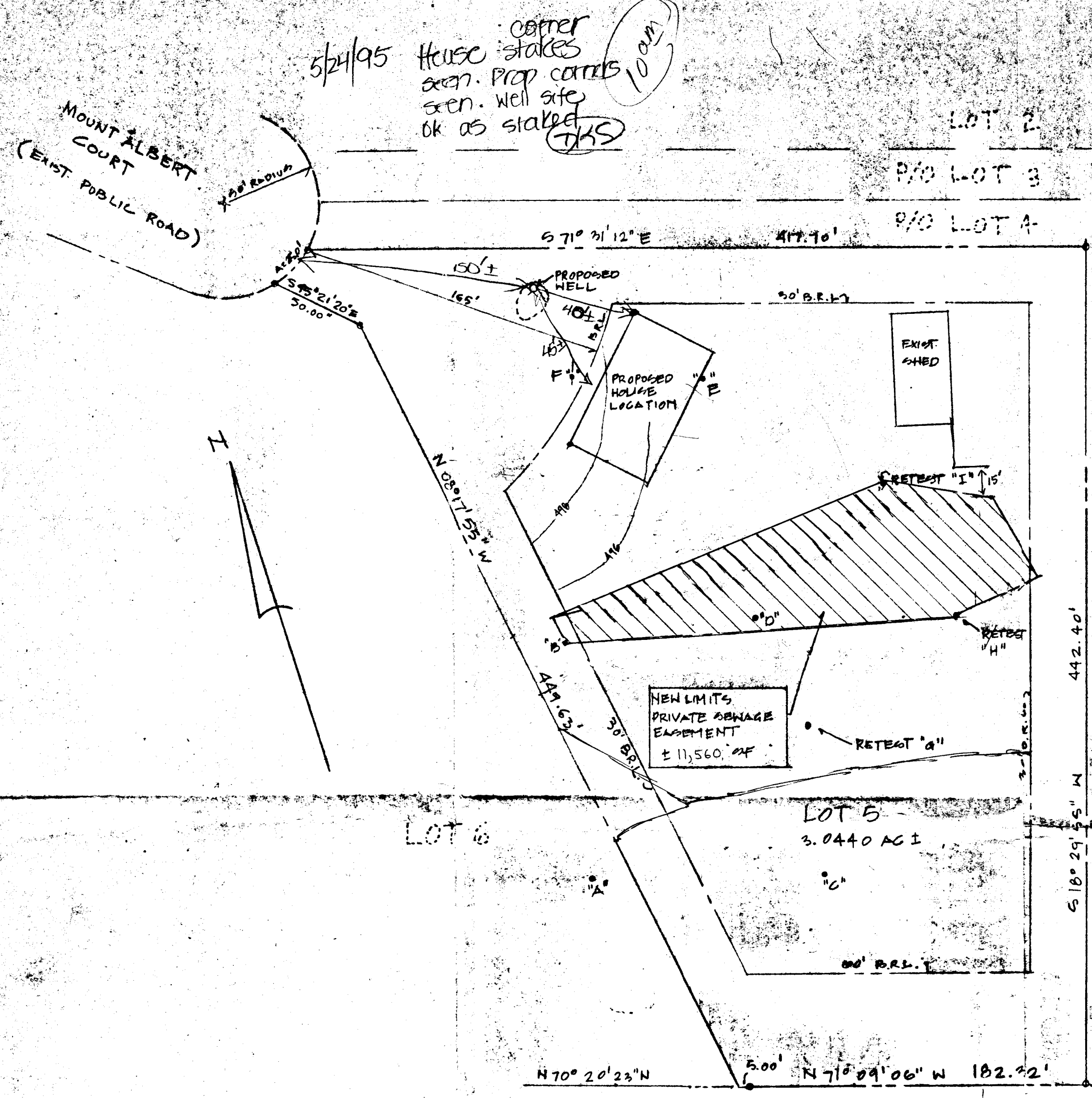
27. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

28. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

29. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

30. SILT FENCES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



1) THIS AREA IS DESIGNATED AS A PRIVATE SEWAGE EASEMENT OF $\geq 10,000$ 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 SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPT.

Jocelyn Boylan 7-27-94
COUNTY HEALTH OFFICER (CD) DATE

THE INFORMATION PRESENTED ON THIS DRAWING IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND ABILITIES. THE SOURCE OF DATA IS FROM THE RECORD PLAT 10401 RECORDED 7-15-92 FOR THE SUBDIVISION OF THE WAKEFIELD PROPERTY, LOTS 5 & 6, AND FROM PERCOLATION TEST DATA MAINTAINED ON FILE AT THE HOWARD COUNTY HEALTH DEPT, AND FROM MEASUREMENTS TAKEN BY RICHARD AND KAREN WHITNEY, THE PROSPECTIVE OWNERS.

THE PURPOSE OF THIS PLAN IS TO MODIFY THE RECORDED SEWAGE EASEMENT FOR:
LOT 5 : WAKEFIELD SUBDIVISION
3RD DISTRICT, HOWARD COUNTY
MARYLAND

PERCOLATION
CERTIFICATION PLAN
1" = 50'

DATE: 7-12-94
REVISED:

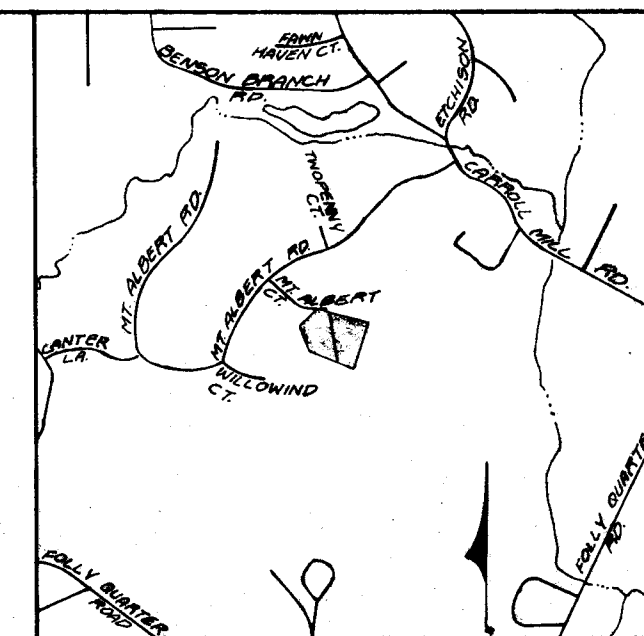
NEAL ALAN DUNCAN ARCHITECT.
1824 Belmont Road NW Suite B1
Washington DC 20009 [202] 667-1494

Approved Revised percolation
7/29/94

COORDINATE TABLE		
NO.	NORTH	EAST
22	521312.74	817186.17
129	520819.75	817269.32
130	520928.84	816963.96
131	521180.58	816869.16
132	521369.31	817055.35
134	521310.75	817122.48
142	521180.38	817582.23
143	520760.84	817441.87

MINIMUM LOT SIZE CHART			
LOT	GROSS AREA	PIPESTEM	MIN. LOT SIZE
5	3.0440 AC.±	0.0287 AC.±	3.0153 AC.±

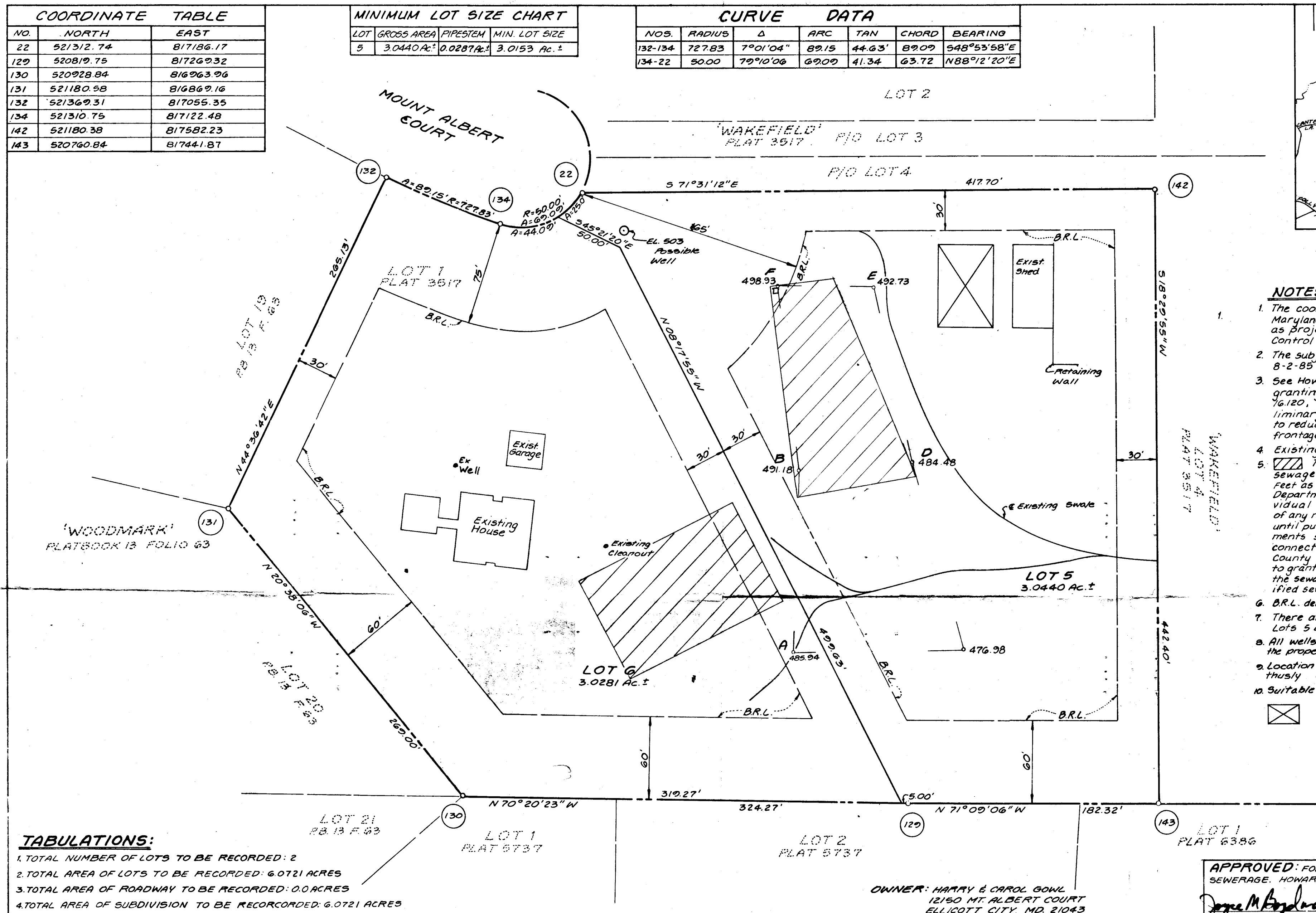
CURVE DATA						
NOS.	RADIUS	Δ	ARC	TAN	CHORD	BEARING
132-134	727.83	7°01'04"	89.15	44.63'	89.09	548°53'58"E
134-22	50.00	79°10'06"	69.09	41.34	63.72	N88°12'20"E



VICINITY MAP
SCALE: 1"=2000'

NOTES:

- The coordinates shown hereon are based Maryland State Plane Coordinate System, as projected by Howard County Geodetic Control Station Nos 3137001 and 3137002.
- The subject property is zoned 'R' per 8-2-85 Comprehensive Zoning Plan.
- See Howard County File WP 91-66, granting waivers of Section 16.113 and 16.120, submission of Sketch and Preliminary Plans and Section 16.115 b.4, to reduce the minimum 50' public road frontage for Lot 5 to 20'. Granted 6-13-91.
- Existing structure on Lot 6.
- This area designates a private sewage easement of 10,000 Square Feet 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. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the sewage easement. Recordation of a modified sewage easement shall not be necessary.
- B.R.L. denotes Building Restriction Line.
- There are no floodplains or steep slopes on Lots 5 and 6.
- All wells and septic system within 100' of the property boundaries have been shown.
- Location and elev. of test holes shown thusly 476.98
- Suitable house sites shown thusly



TABULATIONS:

- TOTAL NUMBER OF LOTS TO BE RECORDED: 2
- TOTAL AREA OF LOTS TO BE RECORDED: 6.0721 ACRES
- TOTAL AREA OF ROADWAY TO BE RECORDED: 0.0 ACRES
- TOTAL AREA OF SUBDIVISION TO BE RECORDED: 6.0721 ACRES

OWNER: HARRY & CAROL GOWL
12150 MT. ALBERT COURT
ELLICOTT CITY, MD. 21043

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE. HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH DEPARTMENT

4/3/92
DATE

SDA changed (see percolation plan of 7/27/1994)

PERC CERT PLAT
WAKEFIELD PROPERTY
LOTS 5 & 6

A RESUBDIVISION OF LOT 1
3RD ELECTION DISTRICT
HOWARD COUNTY MARYLAND

SCALE: 1"=50' DATE: FEBRUARY 1992

LAND DESIGN ENGINEERING, INC.
10620 GUILFORD ROAD, SUITE 210
JESSUP, MARYLAND 20794
(301) 880-0034

B 1 08037 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. <small>(DP USE ONLY)</small>	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-99-0129 <small>fill in this form completely</small>
Date Received (APA) 062897 OWNER INFORMATION Whitney Karen 1004 FAIRVIEW ROAD SILVER SPRING MD 20910		B 3 LOCATION OF WELL HOWARD WOODMARK SECTION 44 46 LOT 5 48 50 WEST FRIENDSHIP 52 NEAREST TOWN MILES FROM TOWN (enter 0 if in town) 3 MI	
DRILLER INFORMATION Paul M. Fabiszak G. Edgar Harr Sons' Corp. 12047 Falls Rd - Cockeysville 21030 Address Signature Date 6/27/94		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750		NEAR WHAT ROAD Mount Albert Ct ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST SOUTH EAST DISTANCE FROM ROAD 30 ENTER FT or MI FT	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A 50105 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 071899 Craig Williams 7/17/95 NORTH GRID 521000 EAST GRID 0817000	
APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 810 N 520	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-POINT other		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)	
APPROX. PERMIT NUMBER GAP FORCE 2 WRITE INITIALS IN BOX PERMIT No. HO-99-0129 SPECIAL CONDITIONS SEE DIAGRAM FOR NEW LOCATION!		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION N 	

C129998

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER

A50105

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

813

1506079520

2230026
(TO NEAREST FOOT)

28293031323334353637
40-94-0129

OWNER KAREN WHITNEY
STREET OR RFD MT ALBERT
SUBDIVISION WOODMARK
TOWN WEST FRIENDSHIP
SECTION 5 LOT 5

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Overburden	0	10	x
Soft Shale	10	37	
Gray Rock	37	300	
water was encountered at 155 & 270'			

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 9 NO. OF POUNDS 400

GALLONS OF WATER 54

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 36 ft.

CASING RECORD

casing
types
insert
appropriate
code
below

ST CO
STEEL CONCRETE

PL OT
PLASTIC OTHER

MAIN CASING TYPE

Nominal diameter
top (main) casing
(nearest inch)

Total depth
of main casing
(nearest foot)

PL 6 40

OTHER CASING (if used)

diameter
inch

depth (feet)
from to

SCREEN RECORD

screen type
or open hole
insert
appropriate
code
below

ST BR HO
STEEL BRASS
BRONZE OPEN
HOLE

PL OT
PLASTIC OTHER

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
[Handwritten data in grid]																																																																					

SLOT SIZE 1 2 3

DIAMETER
OF SCREEN

(NEAREST
INCH)

GRAVEL PACK
IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.)

W Q

TELESCOPE CASING

LOG INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.)

METHOD USED TO
MEASURE PUMPING RATE Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A air P piston T turbine

C centrifugal R rotary O other (describe below)

J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29

CAPACITY
GALLONS PER MINUTE
(to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH
(nearest ft.)

CASING HEIGHT (circle appropriate box
and enter casing height)

LAND SURFACE

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS
BUILDING, SEPTIC TANKS, AND /OR
LANDMARKS AND INDICATE NOT LESS
THAN TWO DISTANCES
(MEASUREMENTS TO WELL)