

9/29/98
CATE A.M.
10/21/98
10:00
4/20/99 11:30
Take Icop House Conn

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 410-313-2640

INDEXED

P 511011

A 510123

DISTRICT 5th

DATE 9/28/98

DATE SYSTEM APPROVED 4/20/99

INSPECTOR *[Signature]*

Nicholas J. Chaconas IS PERMITTED TO INSTALL ALTER

ADDRESS 323 E. Watersville Road Mt. Airy, MD 21771 PHONE (301) 829-9504

SUBDIVISION Lime Kiln Valley LOT 16 ROAD 7628 Green Dell Lane

PROPERTY OWNER Hamilton Reed,

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS TOP SEAMED TANK

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

CONTACTOR'S REQUEST FOR RELIEF FROM TOP SEAMED TANK GRANTED. TANK BOTTOM 8'-9" NO ROCK IN TANK BOLS. 9/28/98 (CW)

TRENCHES - Trench to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 175 feet down the right (426.77') lot line and 10 feet off that same lot line. Run trenches along contour towards the left lot line as seen from Green Dell Lane.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 7/14/98 OK AW

PLANS APPROVED BY Glen Savage DATE 7/10/98

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A510123

5/18/98
1130

APPLICATION

PERCOLATION TESTING

A 510123

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

PREVIEW OK
PROPOSAL IS TO
ADJUST SEPTIC AREA
50' ± BACK TO ACCOMMODATE
PREFERRED HOUSE SITE.
5/4/98 CW

DISTRICT _____

DATE 5/4/98

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

(PREVIOUS BP
1990-
EXPIRED)

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

PROPERTY OWNER GLENN MARY HARDY HAMILTON REED LLC

ADDRESS 3629 TURBRIDGE DR BURTONTOWN MD PHONE 301-890-8864

AGENT OR PROSPECTIVE BUYER N/A STEVE HAMILTON/REED BOWERS GARY (ON SITE)

ADDRESS _____ PHONE 977-1328 977-326

PROPERTY LOCATION:

SUBDIVISION LIME KILN VALLEY LOT NO. # 16

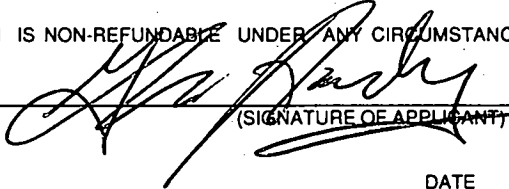
ROAD AND DESCRIPTION 7628 GREEN DELL LANE

~~PERMITS SIGNED~~
~~AND RETURNED 7-10-98~~
Serial # B10 112696

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3.6A TYPE BLDG. RESIDENTIAL - 4 Bm
(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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

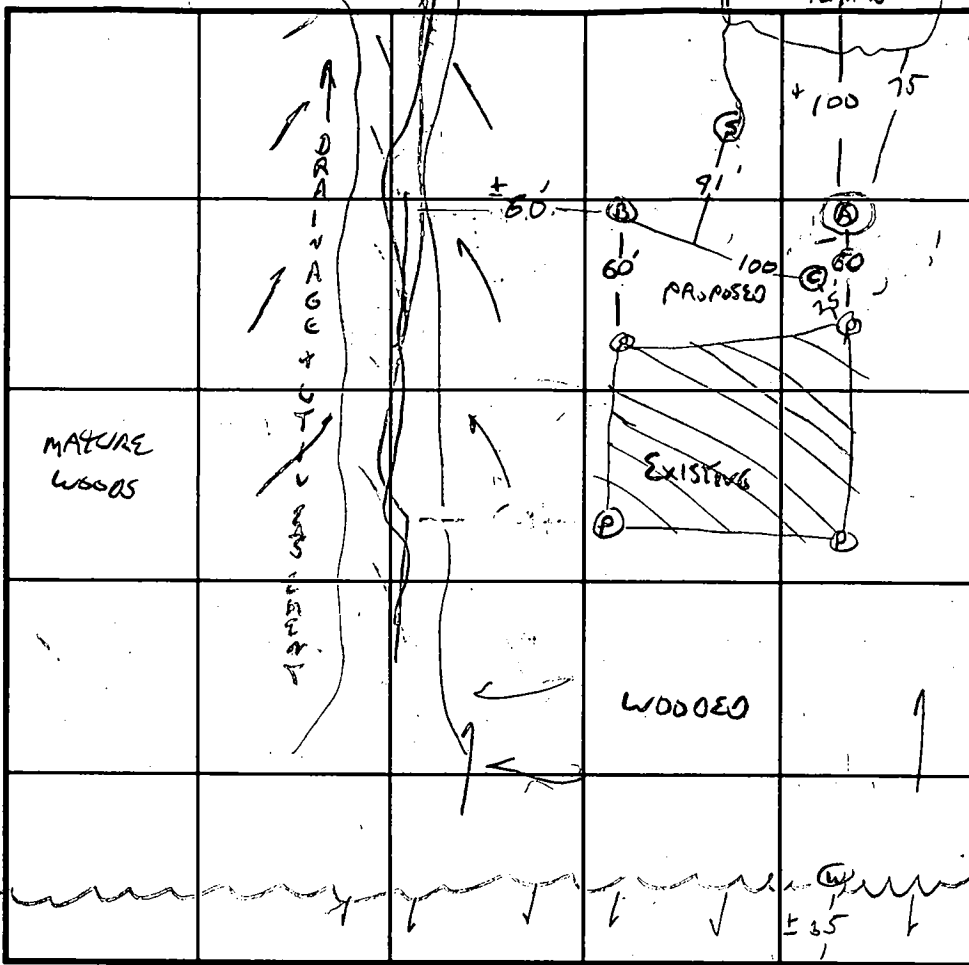
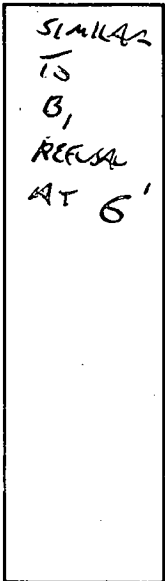
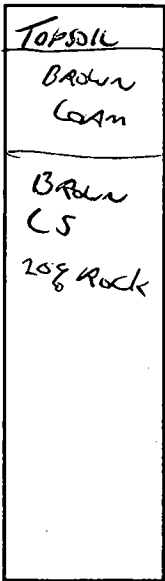
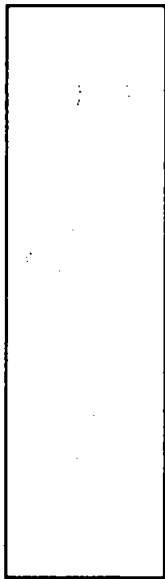
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

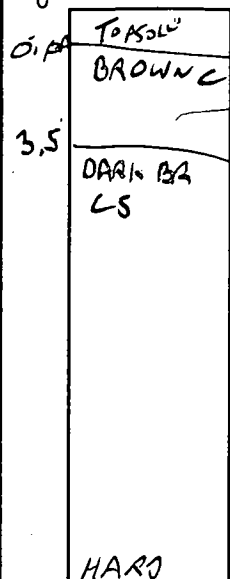
A.5/0123
COUNTY #

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
GREEN DELL LANE

SOIL PROFILE B



S = SPRING / STREAM BED

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/18/98	B	3.5/8	1:58	2:00	→	2:04	2 MIN
X	A	6	ROCK				FAIL
	C	4/12	2:33	2:34	→	2:36	2 MIN

REMARKS: FLOWING WATER IN D.E. LOOKS LIKE STREAM - QUICK VARIABLE
 TYPE OF SOIL: CHANNEL WIDTH
 TESTED BY: G SAUCE ALSO PRESENT OWNER, ASSOCIATED EXCAVATORS
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 2 MIN TRENCH WIDTH 3
 INLET DEPTH 2.5 MAXIMUM BOTTOM DEPTH 4.5 SQ. FT./BEDROOM 180

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 35434

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 992-2330

DISTRICT 5th

DATE April 3, 1985

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 Grace A. E. Eisenhardt c/o Tracy, Schulte & Associates, Inc.
Rich Minor

ADDRESS 8450 Baltimore National Pike, Suite 34 PHONE 465-6105 992-1083

PROPERTY LOCATION:

SUBDIVISION Lime Kiln, Section 2 LOT NO. 16

ROAD AND DESCRIPTION 7628 Southwest of Green Dell Lane: West of Brown's Bridge Road

SIZE OF LOT 3.057 Ac. TYPE BLDG. N/A
(NUMBER OF BEDROOMS)

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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

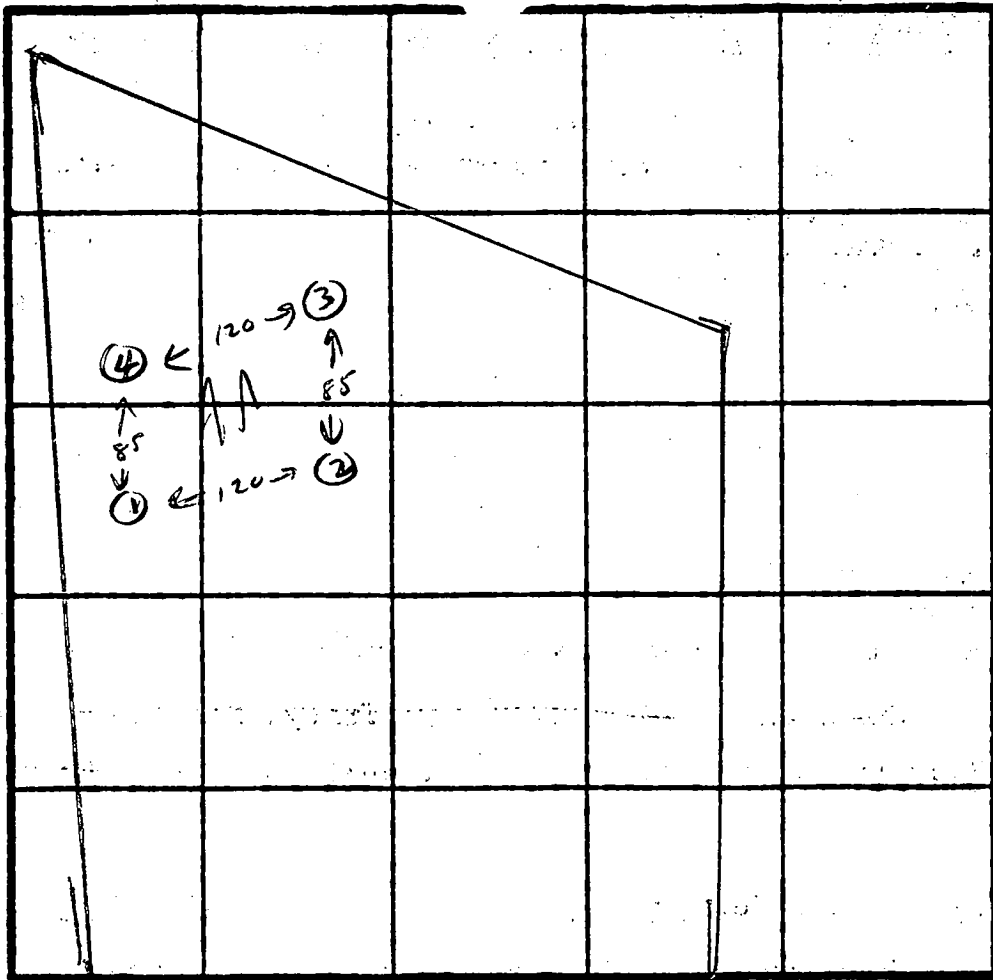
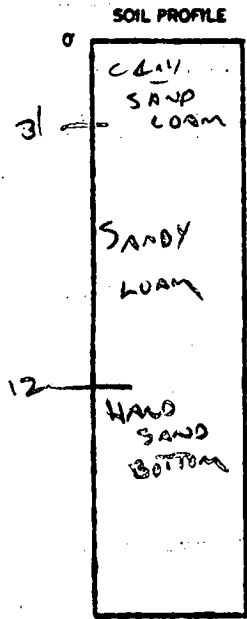
REASONS FOR REJECTION OR HOLDING 4/24/86 - SPECS WRITTEN R. Hodges

BLDG. PERMIT SIGNED
AND RETURNED 4/9/86

Serial # 36211
SFD - 4 Bedroom

THIS IS NOT A PERMIT

ALL HOLES



X-2 MIN
158/BDAM
3'-8'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
PROPOSED RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-7-85	1	3 8	VIS SIM TO OTHER HOLES				✓
		12	HARD AT 12'				
6-7-85	2	3 8	4:16	4:18	4:18	4:20	2 MIN
		12	HARD AT 12'				
6-7-85	3	3 8	VIS SIMILAR TO OTHER HOLES				✓
		12	HARD AT 12'				
6-7-85	4	3 8	4:11	4:13	4:13	4:15	2 MIN
		12	HARD AT 12'				

REMARKS HARD BOTTOM AT 12' - LOCATION UNCERTAIN - LOT HEAVILY WOODED

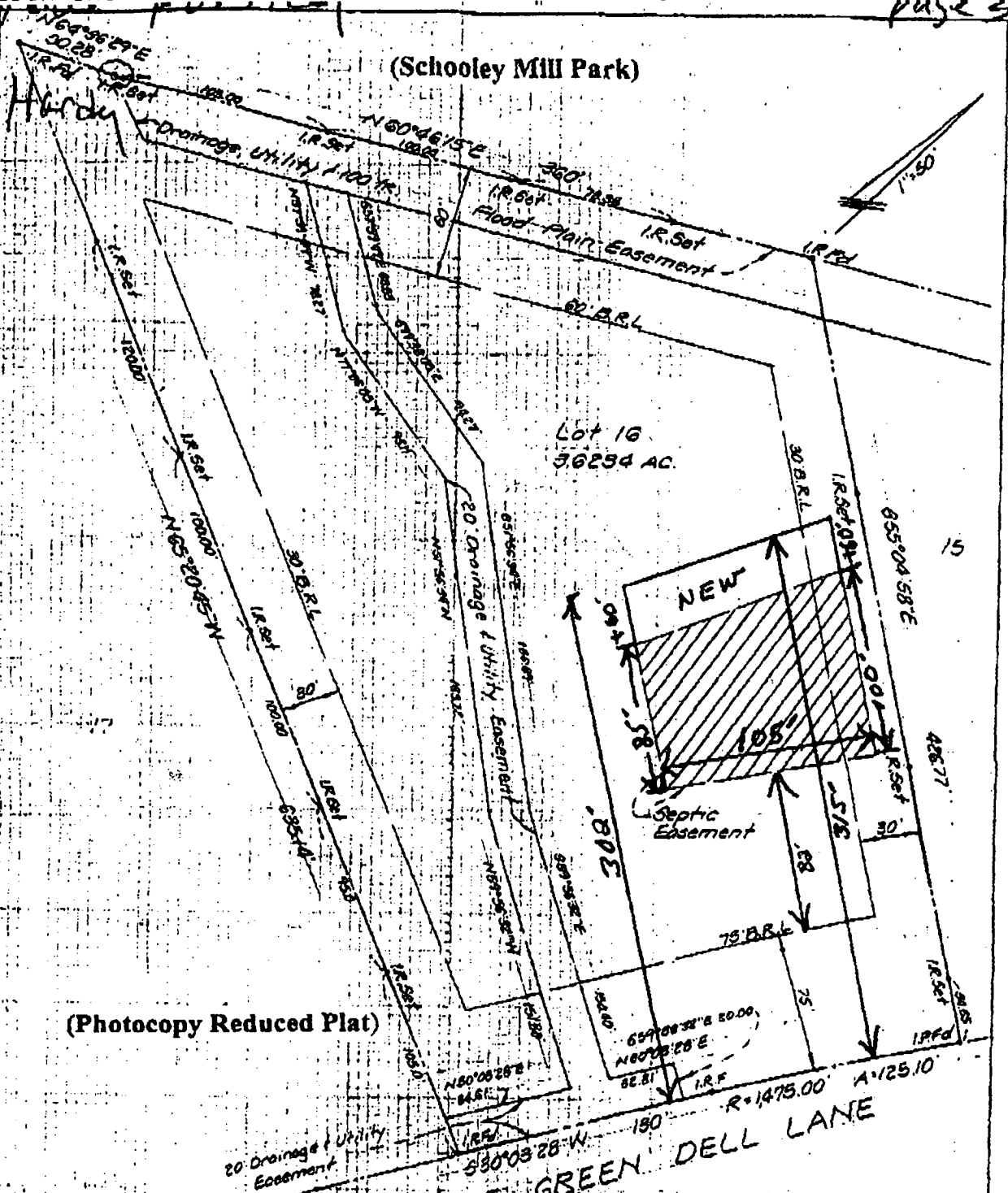
TYPE OF SOIL SAND LOAM

TESTED BY William

ALSO SENT NATFIELD, PENNY

EH-12-1079

10.5
R.M. Hardy



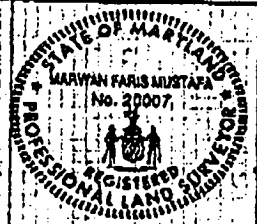
(Photocopy Reduced Plat)

NOTES:
 Not located in a FEMA designated Flood Hazard Zone as per FEMA Community Panel No 240044-0037 B.
 Prepared without the benefit of a title report.
 Information shown hereon should not be relied upon for construction of improvements.

f.s. 253 / 39

SURVEYOR'S CERTIFICATE
 I hereby certify that I have carefully surveyed the foregoing and when taken in accordance with recorded and records, that there are no encroachments, errors or omissions indicated, and that all proper markers are in place as shown.

Marwan Faris Mustafa
 Marwan Faris Mustafa, Surveyor
 No. 2007, Land Surveyor, Md. 2007
 Date: 5-28-98



Lot Survey
 7628 Green Dell Lane
 Lot 16, Section 2, Area 1
LIME KILN VALLEY
 Clackeville
 Howard Election District
 County, Maryland

LIGHT, ELLIOTT & ASSOCIATES, INC 9508 Adelphi Road Adelphi, Maryland 20781 Phone 301-482-8000 Fax 482-8888		Draft: G.L. Clk: J. Job No: N 3240	Plat Book / Page CMP 6652	Case Number: -
			Libr / Folio: -	Scale: 1" = 50'

DATE: May 19, 1998

TO: Craig Williams
Program Director
Water and Sewerage
Howard County Health Department

FROM: Glenn Hardy
Mary Hardy

RE: Septic Retest Application # A510123 Lime Kiln Valley / Lot #16

We would like to thank you and your staff for the retest completed yesterday. Hopefully, both of our requirements will be met so we can proceed with our plans to build. The lot sketch I gave to you when we requested a retest was drawn to "squeeze" the house on the lot. Since we are requesting additional space (60+), we would like to show you our expectations, if the additional space is approved.

We have attached drawing # 3 (May 19th) which shows the garage starting 40' from the 75' set back. Ideally, we would like to start the garage 50' from the 75' set back but that may not leave the room for the septic field and a 20' set back.

Again, thank you for your assistance.

Glenn & Mary Hardy

LV 1 16
3.6234 AC

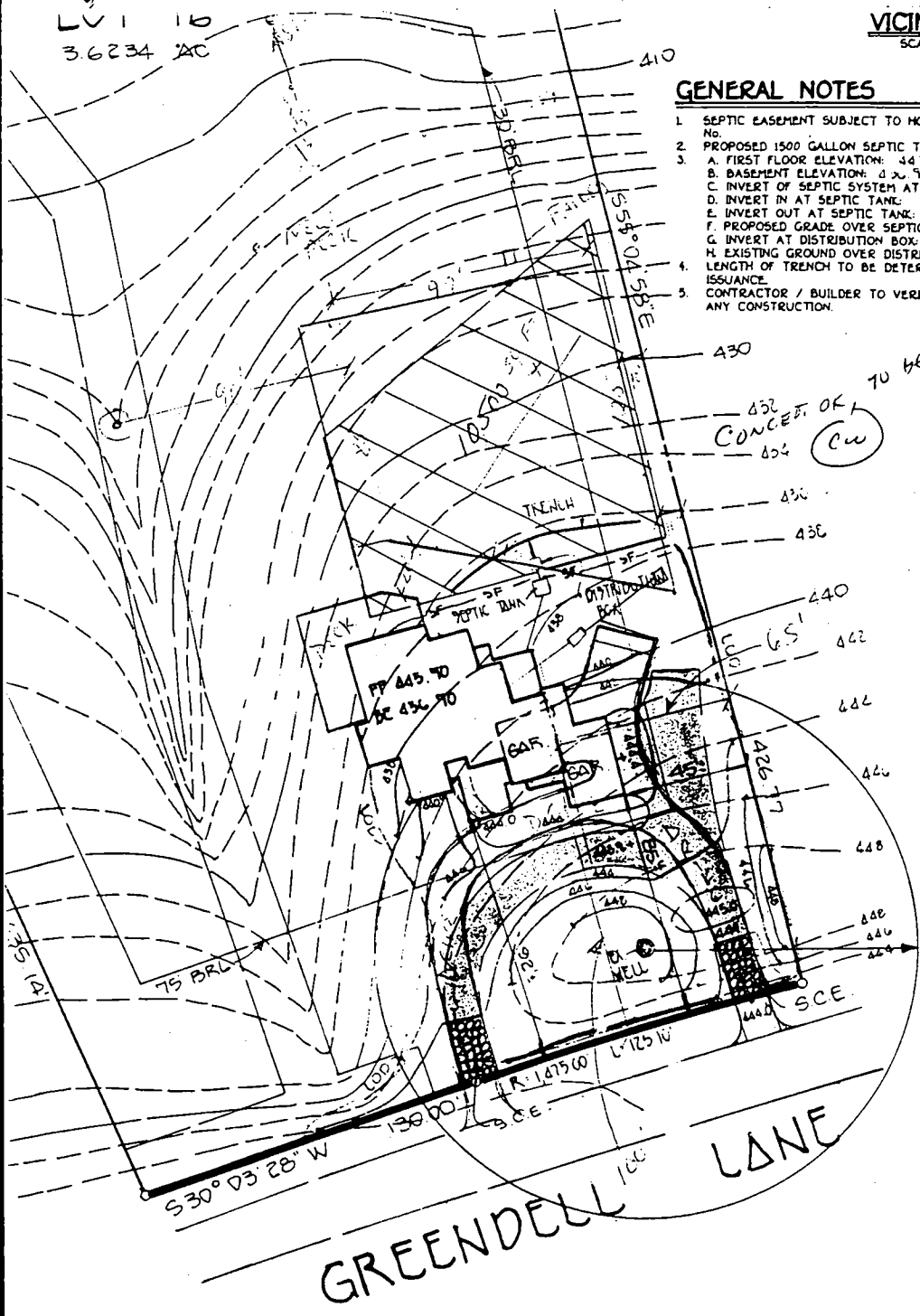
VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 445.70
B. BASEMENT ELEVATION: 436.70
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 433.00
D. INVERT IN AT SEPTIC TANK: 433.10
E. INVERT OUT AT SEPTIC TANK: 432.80
F. PROPOSED GRADE OVER SEPTIC TANK: 437.20
G. INVERT AT DISTRIBUTION BOX: 432.70
H. EXISTING GROUND OVER DISTRIBUTION BOX: 436.70
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

*TO BE FOLLOWED BY BLUEPRINT
BY DRAWING
6/17/98*

432 CONCEPT OK
434 CW



GREENDELL LANE

SOILING :
BY LOAM, LOAMY SAND,
SCIENTIST AND APPROVED BY THE
A MIXTURE OF CONTRASTING
SRS, STONES, SLAG, COARSE
HAYN 1 1/2" IN DIAMETER.

QUACKGRASS, JOHNSONGRASS,

ROUND LIMESTONE SHALL BE
FILED PRIOR TO THE PLACEMENT
AS AND WORKED INTO THE SOIL
PROCEDURES.

PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
LOT 16

LIME KILN VALLEY

SECTION 2, AREA 1

TAX MAP : 40

PARCEL : 490

EDGED R

25% SLOPES (TYP)

30 PEDESTRIAN AND
EQUESTRIAN INGRESS
EGRESS EASEMENT

DRAINAGE AND UTILITY ESM'T.

LOT #17
4.675 AC.

LOT #16
3.623 AC.

LOT #15
4.609 AC.

LOT #16
3.887 AC.

SOLD

LIMIT OF SUBMISSION

GREEN

DELL

LANE

E-1

E-2

LOT #30
4.023 AC.

LOT #21
3.153 AC.

LOT #29
3.212 AC.

SOLD

LOT #28
3.076 AC.

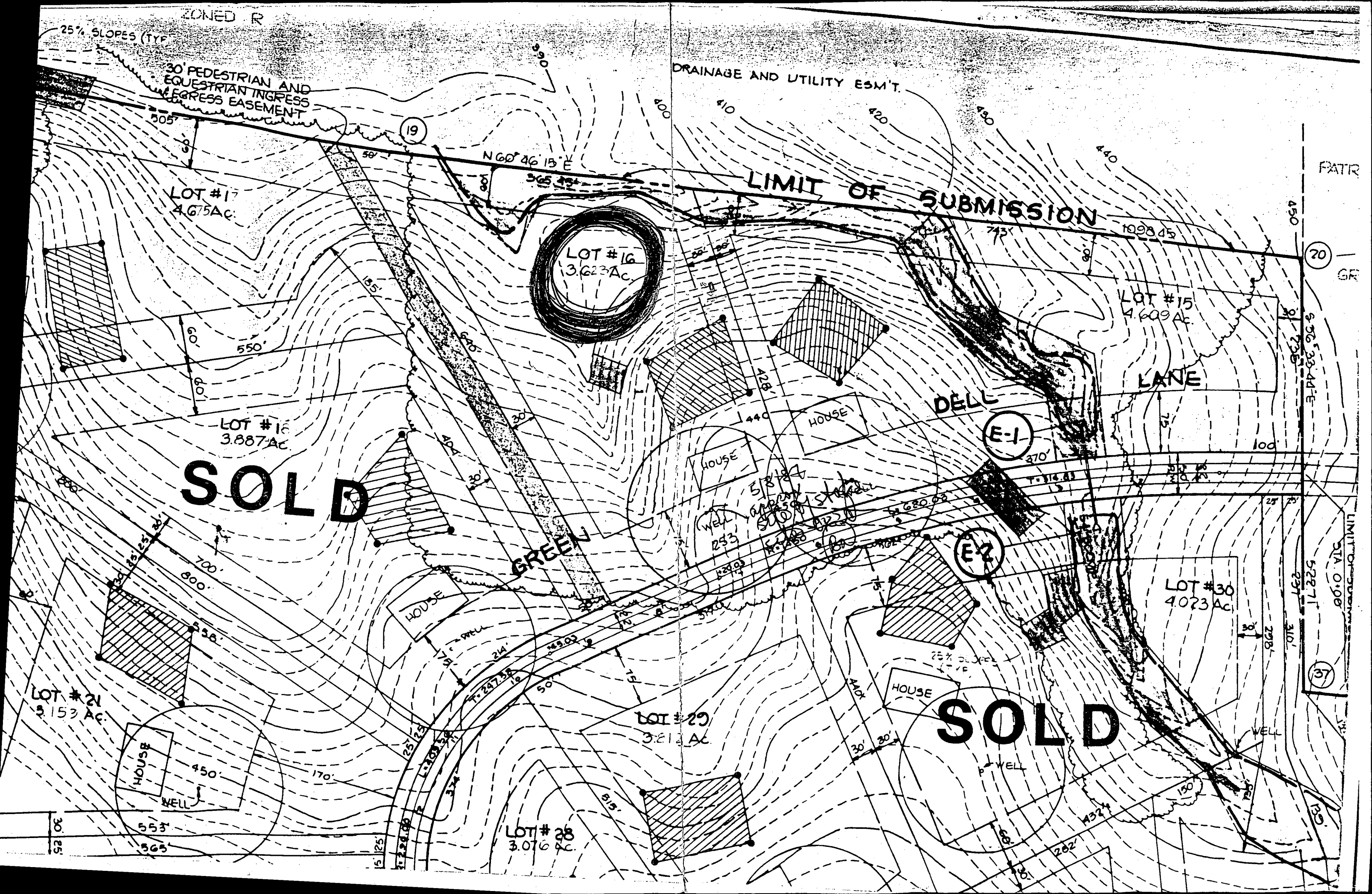
FATR

GR

LIMIT OF SUBMISSION

STA. 0+00

37



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

SIGNATURE OF ENGINEER _____ DATE _____

DEVELOPER'S CERTIFICATE

I/AWE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY

SIGNATURE OF DEVELOPER _____ DATE _____

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

U.S. SOIL CONSERVATION DISTRICT _____ DATE _____

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

DISTRICT HOWARD SOIL CONSERVATION DIST. _____ DATE _____

SEDIMENT CONTROL NOTES

- 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 (033-055)
- 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 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, IN 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 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY 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 OF SITE 3.6234 ACRES
 - AREA TO BE ROOFED OR PAVED 0.19 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED 0.316 ACRES
 - TOTAL CUT 453 CU.YDS.
 - TOTAL FILL 400 CU.YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION _____ CU.YDS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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.
- 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.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE
- AFTER THE SITE IS STABILIZED AND PERMISSION IS OBTAINED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

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 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING:

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1,000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 29. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS 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./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 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.

SOIL AMENDMENTS:

APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./500 SQ.FT.) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS PER ACRE 38-0-0 UREIFORM FERTILIZER (9 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 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (1.4 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOD, OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELLS ANCHORED STRAW ALL SLOPES SHOULD BE HYDROSEED.

MULCHING:

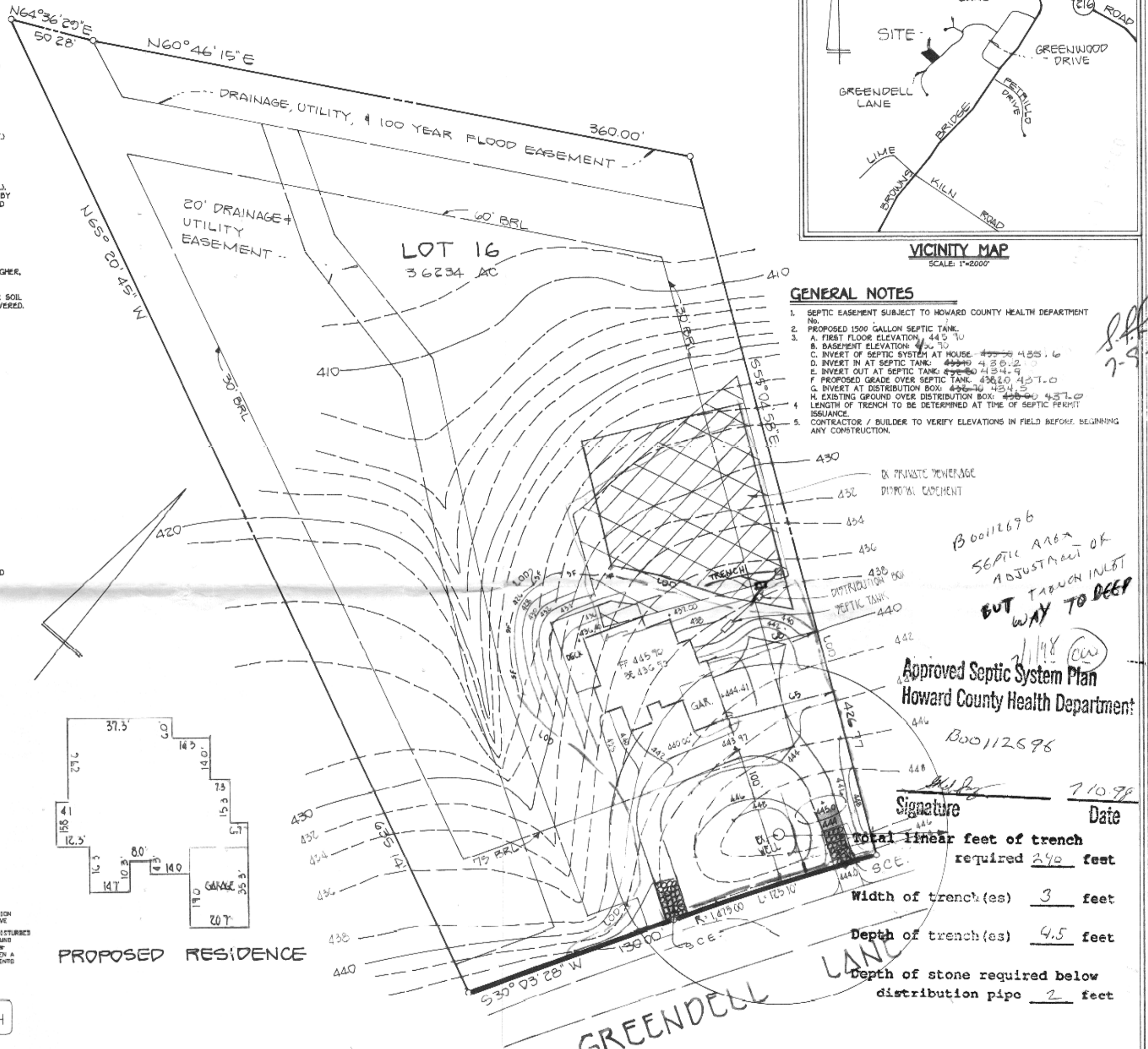
APPLY 1 1/2 TO 2 TONS PER ACRE (90 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE:

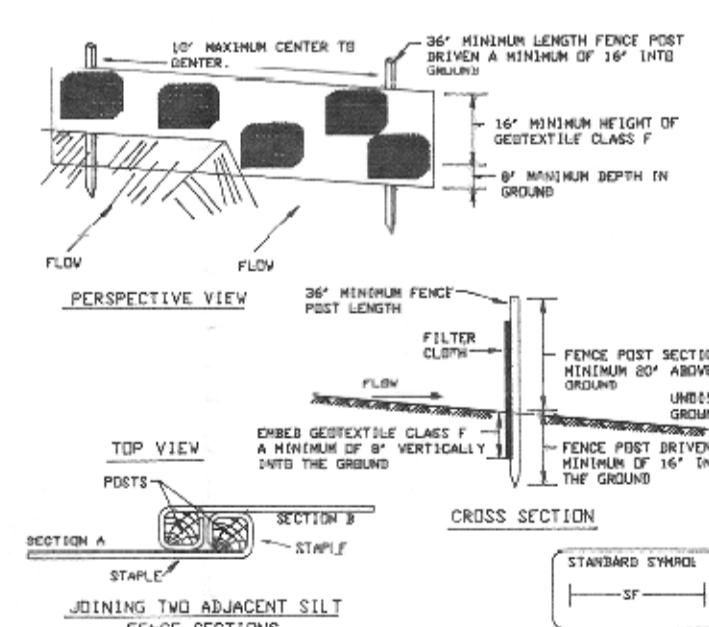
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

* FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNFITCH 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.

TOPSOIL SPECIFICATIONS FOR SITES UNDER 5 ACRES: PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION- SECTION 1 VEGETATIVE STABILIZATION METHODS AND MATERIALS 1994 MARYLAND STDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL



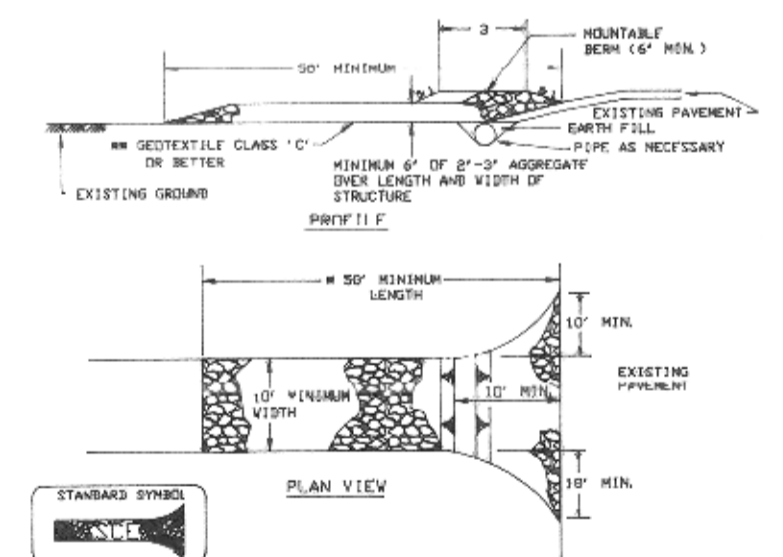
PROPOSED RESIDENCE



- CONSTRUCTION SPECIFICATIONS**
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 3.00 pound per linear foot.
 - Geotextile shall be fastened securely to each fence post with wire ties or staples at 100 and mid-section and shall meet the following requirements for Geotextile Class F:

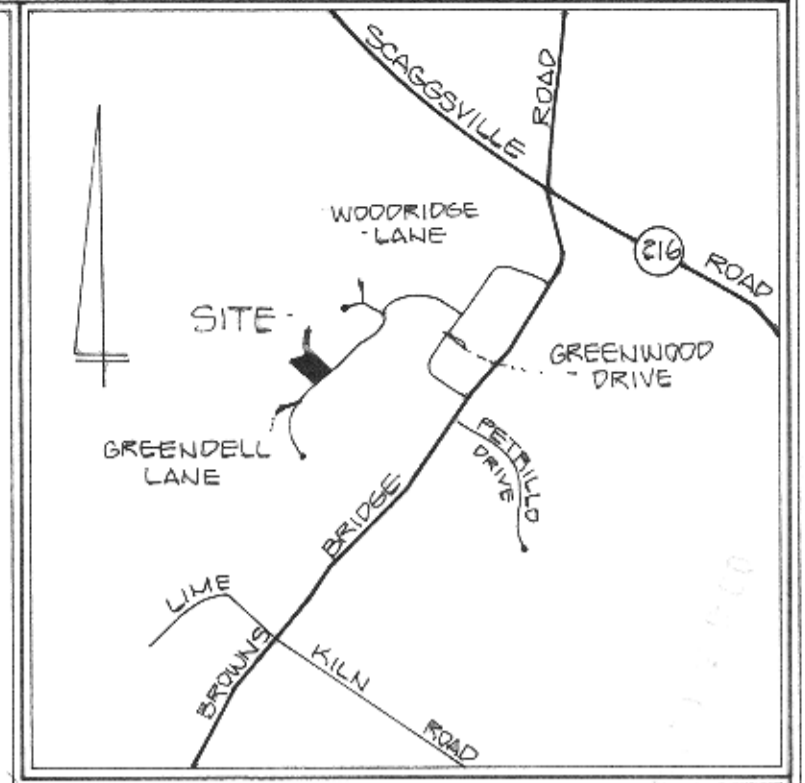
Tensile Strength	30 lbs/in (min.)	Test: HST 505
Tensile Modulus	20 lbs/in (min.)	Test: HST 505
Flow Rate	0.3 gal. ft ² /minute (max.)	Test: HST 387
Filtering Efficiency	75% (min.)	Test: HST 387
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 - Silt fence shall be inspected after each rainfall event and maintained when bulge occur on when sediment accumulation reached 80% of the fabric height.

SILT FENCE
NOT TO SCALE



- CONSTRUCTION SPECIFICATION**
- Length - minimum of 30" (3'0") for single residence lot
 - Width - 10" minimum, should be placed at the existing road to provide a turning radius
 - Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require staple family residences to use geotextile.
 - Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance
 - Surface Water - all surface water flowing to or diverted toward construction entrances shall pass through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a moundside berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the size is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2
NOT TO SCALE
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 30772 BALTHORE NATIONAL PARK
ELLICOTT CITY, MARYLAND 21042
F.C.C. 410-461-2855



VICINITY MAP
SCALE 1"=2000'

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK
- FIRST FLOOR ELEVATION 445.70
- INVERT OF SEPTIC SYSTEM AT HOUSE 433.8 435.6
- INVERT IN AT SEPTIC TANK 434.0 434.2
- INVERT OUT AT SEPTIC TANK 434.0 434.9
- PROPOSED GRADE OVER SEPTIC TANK 434.0 435.0
- INVERT AT DISTRIBUTION BOX 434.0 434.5
- EXISTING GROUND OVER DISTRIBUTION BOX: 434.0 437.0
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

Approved Septic System Plan
Howard County Health Department
B00112596
B00112596
7/10/98
Signature _____ Date _____

Total linear feet of trench required 240 feet
Width of trench(es) 3 feet
Depth of trench(es) 4.5 feet
Depth of stone required below distribution pipe 2 feet

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT
LOT 16
LIME KILN VALLEY
SECTION 2, AREA 1

TAX MAP 40 PARCEL 400
5TH ELECTION DIST. HOWARD COUNTY, MD.
SCALE 1"=50' DATE APRIL, 1998

61239

B 1 1997 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

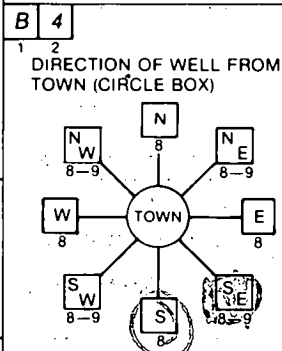
STATE OF MARYLAND PERMIT TO DRILL WELL
 please print or type

OEP PERMIT NUMBER
 40-81-2081
 fill in this form completely

Date Received
 OWNER INFORMATION
 Miodor Rik
 15603 Dorset Rd
 Laurel Md 20707

B 3 LOCATION OF WELL
 HOWARD
 8 COUNTY
 LINE KILM VALLEY
 23 SUBDIVISION
 SECTION 2 LOT 16
 HIGHLAND
 52 NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) 3 MI

DRILLER INFORMATION
 Valia Mayne
 203
 77 License No. 80
 Ralph Mayne (Oeil Drilling)
 970 Brown Church Rd. P.A. Hwy
 Signature Date 4/27/82



B 4 GREEN DELL LANE
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W EAST E
 SOUTH S
 34 35 37
 DISTANCE FROM ROAD
 ENTER FT or MI 1/4

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 5
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 HOWARD A-25434
 COUNTY NAME COUNTY NO.
 OEP SIGNATURE DATE ISSUED 05/18/82
 CO-SIGNATURE EXP. DATE 11/18/87
 NORTH GRID 483000 EAST GRID 0813000

APPROXIMATE DEPTH OF WELL 150 FEET

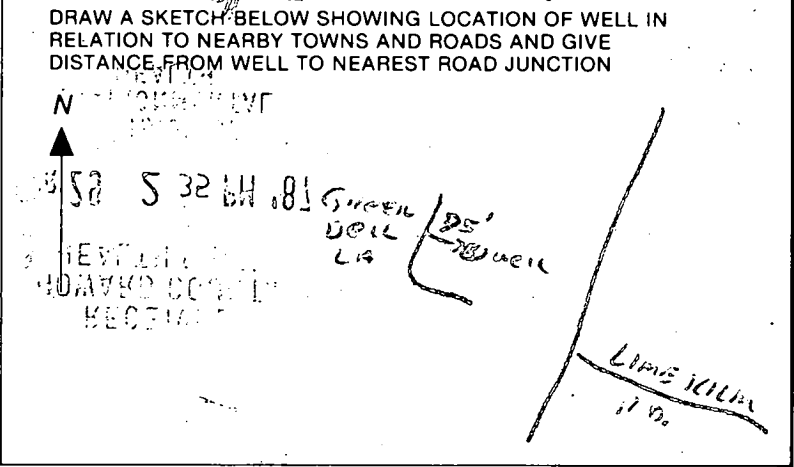
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. WELL
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 8843
 N 4863

34 FE PIPE
 31 FE OPEN
 7 BAGS CEMENT
 LOCATION OK
 SAE

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER GAP
 FORCE 67 INITIALS PERMIT No. 40-81-2081

SPECIAL CONDITIONS
 576-0440 W
 576-2425 H

Per 410-313-2648
WPT AM 10-1-98

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525 H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITNESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date _____

Name of Installer CLARKE P & H INC

Telephone 410-489-4029

License Number 3808

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber 3808

Name of Property Owner Hamilton Reed LLC

Telephone 410-742-2100

Subdivision Loans Hill Valley Lot # 16

Well Tag # _____

Site Address 7628 Green Dell Lane

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible

Motor

- 1. Horsepower _____
- 2. RPM _____
- 3. Voltage _____
 - a. 110 _____
 - b. 220

Pitless Adapter

- 1. Make P-T-800
- 2. Model # _____
- 3. Depth 42"

2. Make _____

3. Model # _____

4. Capacity _____ GPM

5. Pump exceeds well capacity Yes _____ No _____

6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards Other _____

Tank

- 1. Capacity 42
- 2. Pressure relief valve? 2.5 lb

Piping

- 1. Type Plastic
- 2. Size 1"
- 3. NSF and/or BOCA Code approved _____
- 4. Depth of supply line 42"

Well data

- 1. Depth _____ ft.
- 2. Yield _____ GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? NO

well line P.A. 3' below grade
well casing 1'10" above "
PVC conduit pipe ok
Needs 2-piece well cap (DKS)

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Henrietta C. Clarke

Date: 9-30-98

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

10/1/98
WPT



HOWARD COUNTY HEALTH DEPARTMENT

Mary Sue Baker, MBA, Acting County Health Officer

April 21, 1999

Hamilton Reed, LLC
8000 Main Street
Ellicott City, MD 21043

RE: Lime Kiln Valley, Lot 16
7628 Green Dell Lane
Well Permit # HO-81-2081

Dear Mr. Forney:

This is to advise you that the septic system for the referenced property was installed, inspected and approved on April 21, 1999.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking. The water sample was found to be in compliance with COMAR water quality standards.

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under permit # HO-81-2081. No guarantee can be given for health protection beyond this date of issue. Based upon satisfactory investigation and evaluation by the Howard County Health Department, the Department of the Environment accepts this well system as required by COMAR 26.04.04.09

INTERIM CERTIFICATE OF POTABILITY

This certificate may become final upon completion of the final bacteriological and nitrate tests which are to be taken by the county health department within six months of the date of this letter. Please contact Ms. Vicki Fellas at (410) 313-2644 to schedule a final water sample appointment.

Date of Water Sample: April 12, 1999
Date of Well Completion: June 15, 1987

Approving Authority

Mary Sue Baker, R.S.
Registered Sanitarian
Water and Sewerage Program

MR
cc: Building Inspector's Office
File

*1 copy given to contractor
in field 4/21/99*