

5/8/97 Needs house conn. DKS

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 313-2640

P 57690

A 50709-B

DISTRICT 3rd

DATE 3/24/97

DATE SYSTEM APPROVED 7/21/97

INSPECTOR EF

South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Parkside LOT 19 ROAD 1824 Quarter Horse Court

PROPERTY OWNER Harvest Homes LLC

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

NOT
REQUIRED

INSTALL:

~~*****PUMPED SYSTEM ONLY*****~~

~~1-1000 Gal. Pump Chambers with single or dual effluent pumps and controls and alarms.~~

~~Contractor to supply pump detail prior to issuance of septic permit.~~

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 5.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 238.65 and 1273.39 lot lines, begin trenches 220 feet down the 1273.39' lot line and 10 feet off that same lot line. Run trenches on contour toward the 238.65' lot line.

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

OK KM 1/7/97

PLANS APPROVED BY Amy McMillen

DATE 12/31/96

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

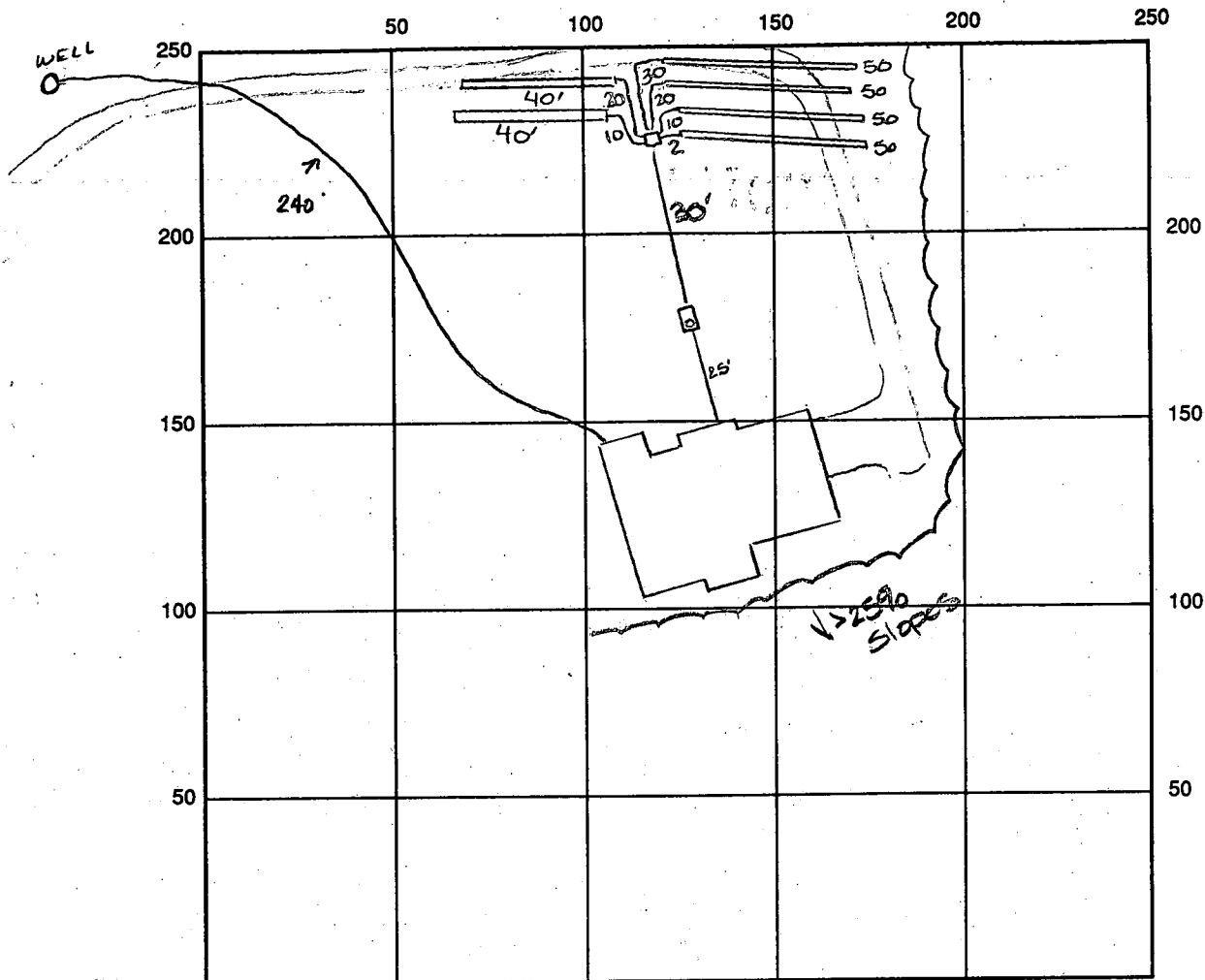
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

3LDG. PERMIT SIGNED

AND RETURNED

6-16-97
Serial # B7106260
permanently

A 50709 B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - 1250 gal

CLEANOUTS one on site

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5.5 FT.

TRENCH WIDTH 3.0 FT.

INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 2 FT.

TOTAL LENGTH 4 x 50
2 x 40 FT. → 280

NUMBER OF TRENCHES 6

ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 840 SQ. FT.

REMARKS: 3/10/97 Inspection revealed that approx. 5' of dirt had been cut from the upper
part of the SQA - STOP WORK ALM 3/11/97 letter written requesting a meeting to resolve issues ALM
4/16/97 Request for a STOP WORK on house because no response about letter ALM 5/6/97 Insp.
made soil OK to 12" regardless of cut - OK to proceed as planned - stop work order lifted ALM
5/7/97 Insp - OK to proceed w/ installation ALM 5/8/97 OK to cover all septic
work - *Needs house connection. DKS 7/21/97 House connection OK &

DATE SYSTEM APPROVED 7/21/97

INSPECTOR [Signature]

APPLICATION

PERCOLATION TESTING

A 50709

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

DISTRICT _____

DATE 5-24-95

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 Craig and Christina Carlson HARVEST HOMES LLC

ADDRESS 1830 Quarterhorse Dr Woodstock PHONE 410 461 3384 unlisted
465-1000 office

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

SUBDIVISION Parkside LOT NO. 11 Lot 2

ROAD AND DESCRIPTION Quarterhorse Drive, behind house located
(1824 QUARTERFIELD DRIVE)
at 1830 Quarterhorse Drive, down the hill back lot

TAX MAP _____ PARCEL # _____

SIZE OF LOT 3 plus acres TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED

AND RETURNED 12/30/96

Permit # B0102965-4B

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]

(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

AS0709
COUNTY.#

SOIL PROFILE
L.F.G

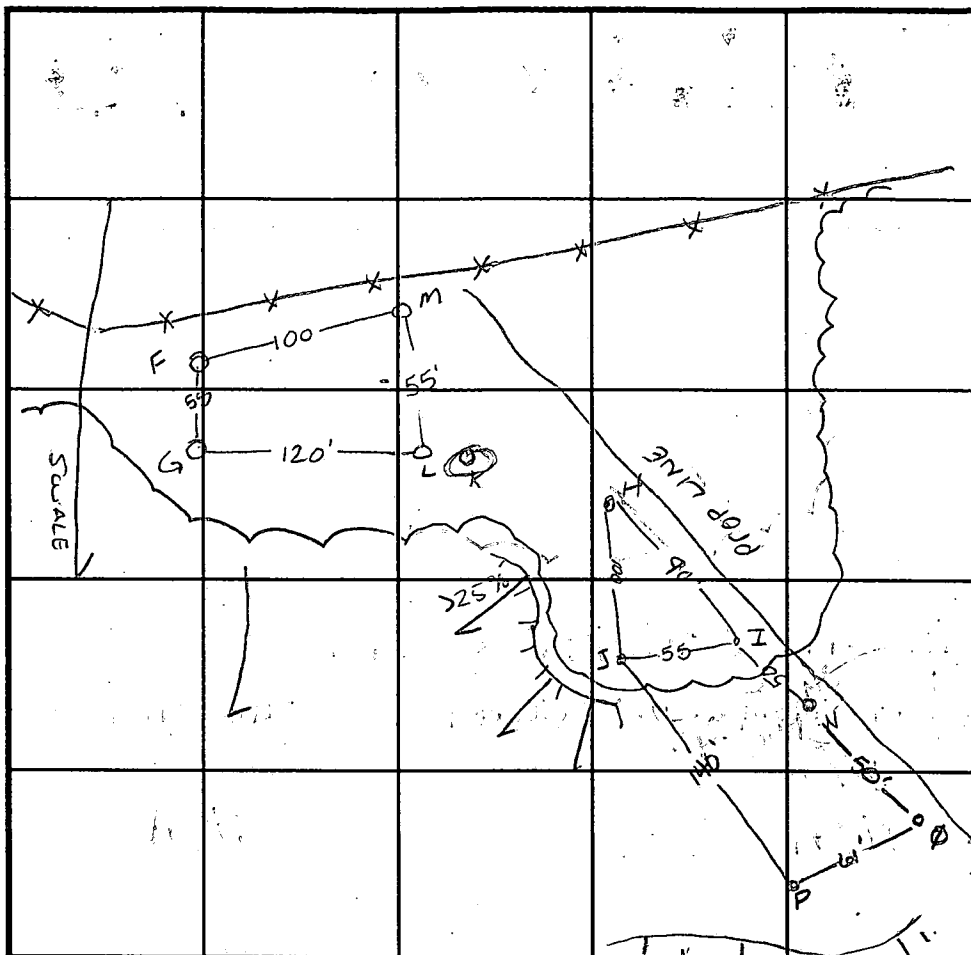
0' dark
brn
salcum
micaceous
1.5' orange
salm
3' greyish
brn
w/red
salm
micaceous
no
rock
12.5'

I, J

2' dark
brn
salcum
yellow
brn
to
tan
salm
micaceous
very
coarse
grained
no
rock
12'

#1, M

bright
red
salcum
gravelly
5' light tan
red
to pink
powdery
silm
micaceous
12'



SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

225% slope

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-25-95	F	8' V12.5	11:00	11:01 ¹⁵	11:01 ¹⁵	11:03 ¹⁵	2min
	F	3.5' V12.5	11:01 ⁴⁵	11:03 ⁴⁵	11:03 ⁴⁵	11:06 ¹⁵	2 1/2 min
	G	4.5' V12	11:00	11:12	11:12	11:28	16min
	H	5.5' V12	11:44 ³⁰	11:53 ³⁰	11:53 ³⁰	12:05 ¹⁵	12min
	I	4' V13	11:34 ⁴⁵	11:35 ³⁰	11:35 ³⁰	11:36 ¹⁵	45sec
	J	4' V12.5	11:36 ¹⁵	11:37 ³⁰	11:37 ³⁰	11:38 ¹⁵	1 1/2 min
	K	>50% rock	11:44 ³⁰	11:46	11:46	11:47 ⁴⁵	13 1/4 min
	L	OK - hard	12:01 ⁴⁵	12:03 ³⁰	12:03 ³⁰	12:06	2 1/2 min
	M	4.5' VII	12:01 ⁴⁵	12:03 ³⁰	12:03 ³⁰	12:06	2 1/2 min

REMARKS need field run topo to locate 225% slope.

TYPE OF SOIL micaceous sandy loam

TESTED BY Amy McMillen

ALSO PRESENT Mr Carlson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 13min TRENCH WIDTH 33

INLET DEPTH 3.5 MAXIMUM BOTTOM DEPTH 5.5 SQ. FT/BEDROOM 210

APPLICATION

PERCOLATION TESTING

A 50709

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
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PROPERTY OWNER Craig and Christina Carlson
ADDRESS 1830 Quarterhorse Dr Woodstock PHONE 410 461 3384 unlisted
410-5-100-Office
AGENT OR PROSPECTIVE BUYER N/A
ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

SUBDIVISION Parkside LOT NO. 11 Lot 2
ROAD AND DESCRIPTION Quarterhorse Drive, behind house located
at 1830 Quarterhorse Drive, down the hill back lot

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SIZE OF LOT 3 plus acres TYPE BLDG. Single Family Dwelling
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COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. [Signature]
(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 _____

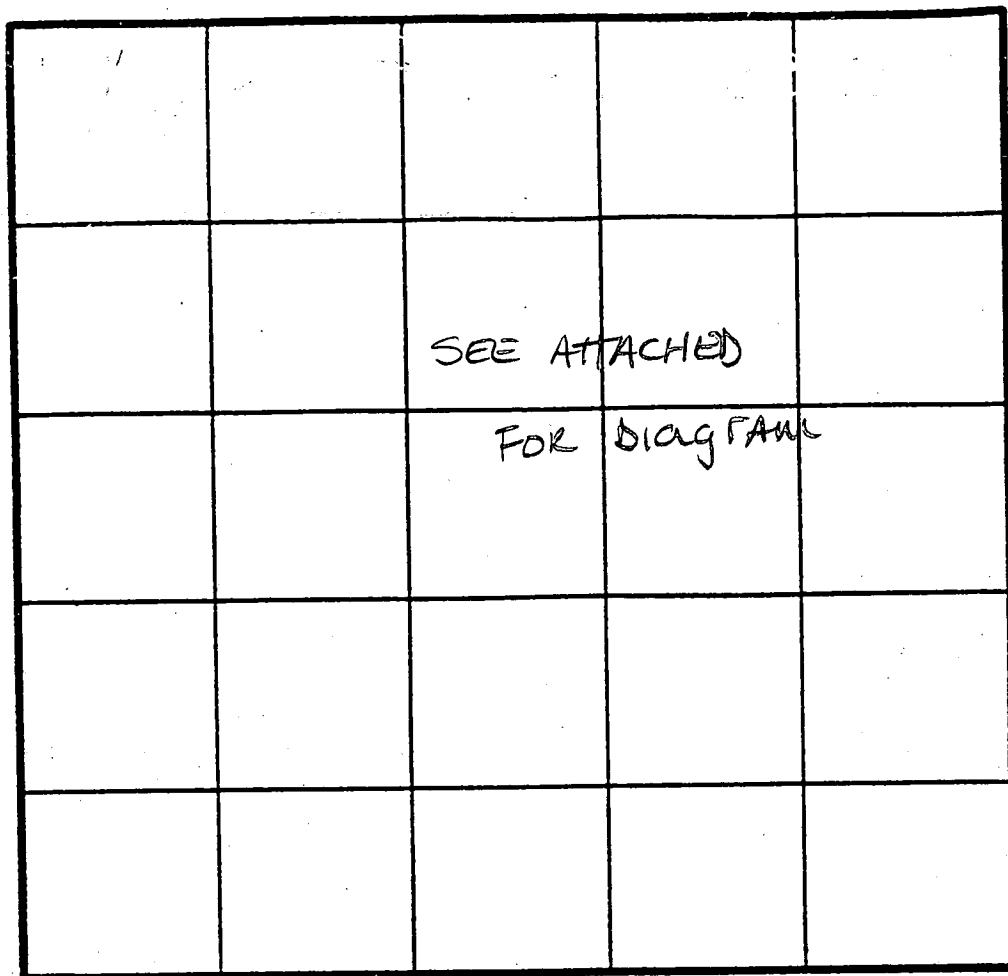
THIS IS NOT A PERMIT

P

SOIL PROFILE

MED. YELLOW
CLAY LM1GT TAN
MATRIX

SISALM

VERY
decayed
50%
SAPROLITEBK/WHIT
AND RED
GRAINS
OF SAND

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/23/06	P	3' V	11:05	11:06	11:06	11:07	1m
	P	3' V	11:07	11:09	11:09	11:10	1m
	N	SEE PROFILE	—————				OK
	O	SEE PROFILE	—————				OK

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

REMARKS: SEE PROFILE

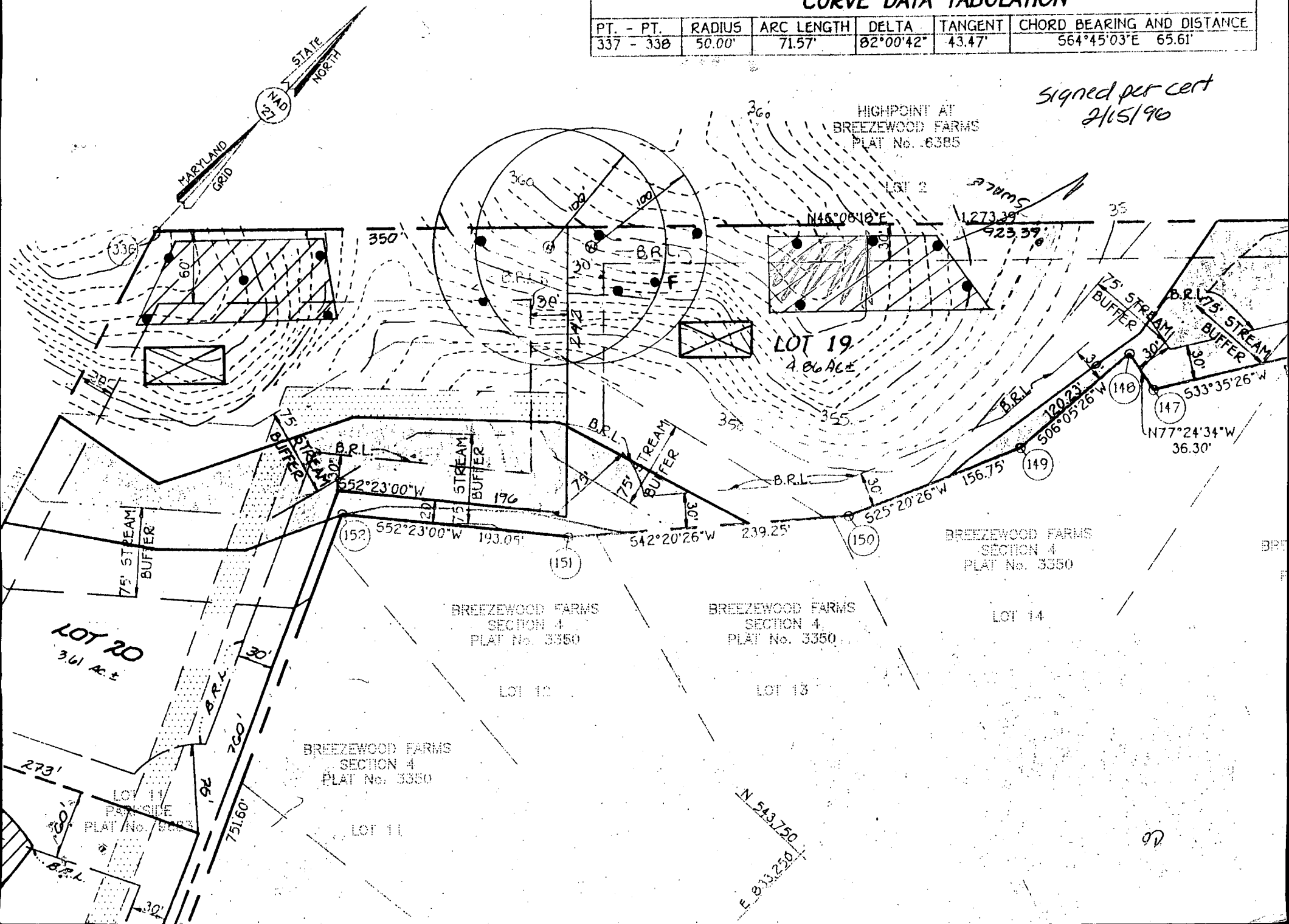
TYPE OF SOIL: Silt/Clay loam 50% decayed Saprolite granular

TESTED BY: K. GYKES ALSO PRESENT: AMY McMILLEN

CURVE DATA TABULATION

PT. - PT.	RADIUS	ARC LENGTH	DELTA	TANGENT	CHORD BEARING AND DISTANCE
337 - 338	50.00'	71.57'	82°00'42"	43.47'	564°45'03"E 65.61'

Signed per cert
2/15/96



MINIMUM LOT SIZE CHART

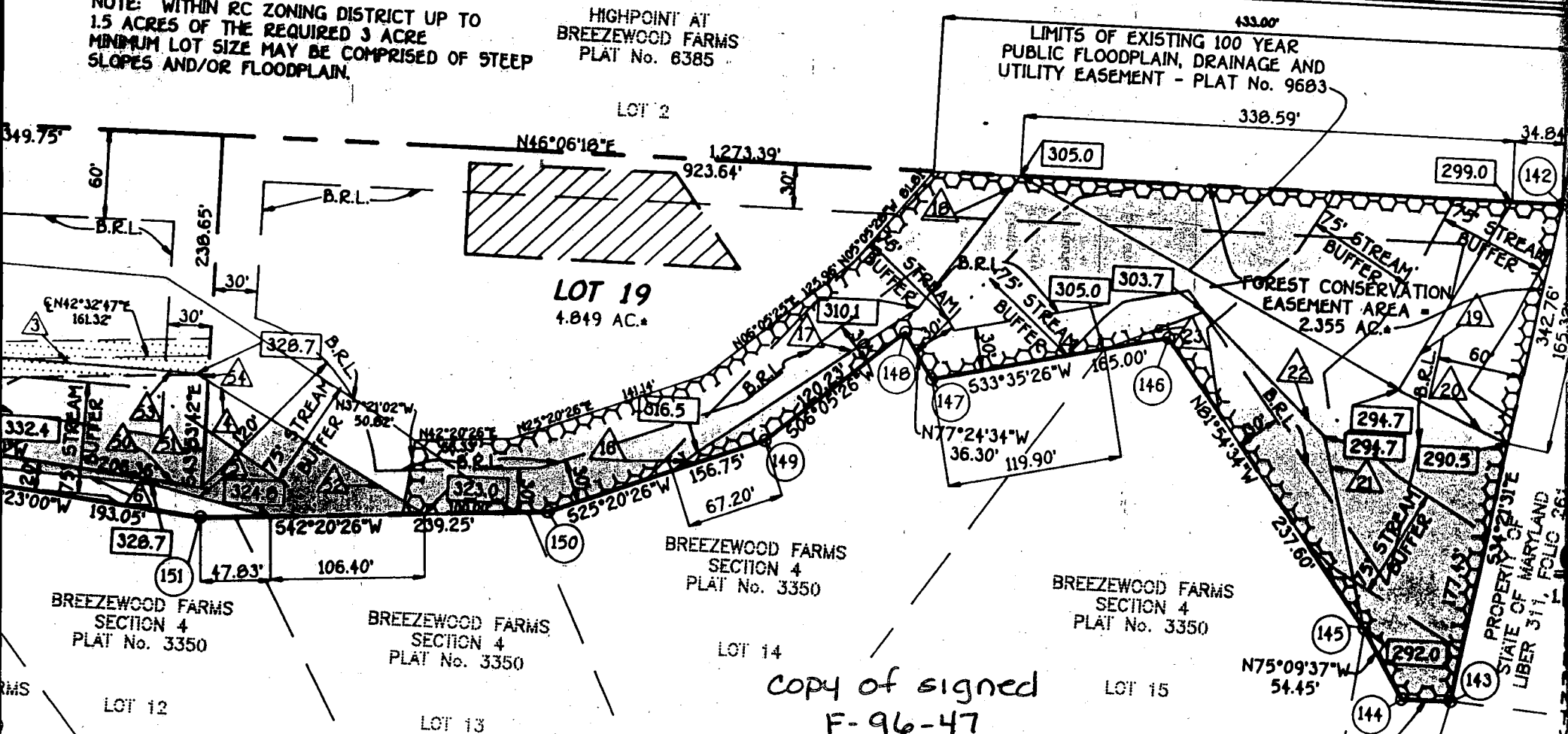
LOT No.	GROSS AREA	PIPESTEM AREA	REMAINING AREA	100 YEAR FLOODPLAIN	25% SLOPES	MINIMUM LOT SIZE
18	6.632 AC.	0.000 AC.	6.632 AC.	0.991 AC.	1.479 AC.	4.162 AC.
19	4.849 AC.	0.570 AC.	4.279 AC.	1.636 AC.	0.848 AC.	4.179 AC.
20	5.734 AC.	0.000 AC.	5.734 AC.	1.541 AC.	1.418 AC.	4.977 AC.

CURVE DATA TABULATION

PT. - PT.	RADIUS	ARC LENGTH	DELTA	TANGENT	CHORD BEARING AND DISTANCE
337 - 338	50.00'	71.57'	82°00'42"	43.47'	564°45'03"E 65.61'
337 - 339	50.00'	50.00'	57°17'46"	27.32'	545°35'45"W 47.94'

NOTE: WITHIN RC ZONING DISTRICT UP TO 1.5 ACRES OF THE REQUIRED 3 ACRE MINIMUM LOT SIZE MAY BE COMPRISED OF STEEP SLOPES AND/OR FLOODPLAIN.

HIGHPOINT AT BREEZEWOOD FARMS PLAT No. 6385



100 YEAR FLOODPLAIN, PUBLIC DRAINAGE & UTILITY EASEMENT TABULATION

COURSE SYMBOL	BEARING AND DISTANCE
1	535°35'27"E 33.02'
2	N28°00'40"E 97.10'
3	N47°56'06"E 146.95'
4	N74°20'54"E 174.70'
5	552°10'00"E 174.70'

WIDE USE-IN-COMMON
MENT ACROSS LOTS
E USE AND BENEFIT
19. MAINTENANCE
DRAINAGE AMONG
DROPS OF HOWARD

PROPERTY OF
STATE OF MARYLAND
SER 316, FOLIO 451

2 TH
WDT
DE
3.5U
4.CO
AS
No
PL
354000

PLAN

SCALE: 1" = 100'

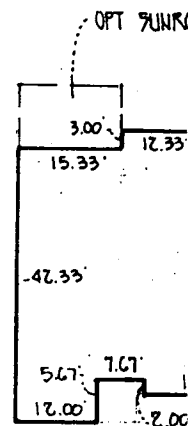
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 351.4
B. BASEMENT ELEVATION: 342.49
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 347.21
D. INVERT IN AT SEPTIC TANK: 347.21
E. INVERT OUT AT SEPTIC TANK: 346.91
F. PROPOSED GRADE OVER SEPTIC TANK: 349.00
G. INVERT AT DISTRIBUTION BOX: 351.00
H. EXISTING GROUND OVER DISTRIBUTION BOX: 354.00
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.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.
7. INVERT IN AT PUMP TANK: 346.71
8. INVERT OUT AT PUMP TANK: 346.71

EXISTING PRIVATE
SEWERAGE DISPOSAL
EASEMENT

PLAN

SCALE: 1" = 50'

Approved Septic System Plan
Howard County Health Department



THE CON
NOT

Shirley McMill
Signature

12/30/96
Date

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
2. PROPOSED 1500 GALLON SEPTIC TANK
3. A. FIRST FLOOR ELEVATION: 351.49
B. BASEMENT ELEVATION: 342.49
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 347.21
D. INVERT IN AT SEPTIC TANK: 347.21
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7. INVERT IN AT PUMP TANK: 346.71
8. INVERT OUT AT PUMP TANK: 346.71

PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
PARKSIDE
LOT 19

TAX MAP 10

P/O PARCEL



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 11, 1997

MEMORANDUM

To: Harvard Homes, LLC
P.O. Box 1713
Ellicott City, Maryland 21041

FROM: Amy Mc Millen, R.S. *ALM*
Water & Sewerage Program

RE: Parkside, Lot 19
1824 Quarterhorse Court

On March 10, 1997, an inspection of the septic system installation at the above referenced property was performed by Amy Mc Millen. During this inspection it was found that approximately 5 feet of original ground cover had been removed from the recorded septic easement. Because the septic installation specifications were for drainfields with an invert into the trenches at 3.5 feet below original grade, all work was stopped at this time.

The apparent reason for grading within the recorded septic easement was for the driveway. When the building permit was issued, a lengthy discussion was held with one of your representatives, Craig Carleson, regarding the potential consequences of grading within the septic easement due to the proposed driveway location. This building permit was approved by this office with the assurance from Craig Carleson that no grading would be performed in the septic easement.

In order that this conflict may be resolved, please contact this office between 8:00 a.m. and 5:00 p.m. at (410) 313-2640 so that a scheduled meeting time can be arranged. In addition, it is requested that a drawing of final grading plans be brought to this meeting. Thank you for your cooperation in this matter. If there are any questions, please feel free to contact me at (410) 313-2640.

AM:am

cc: South Carroll Backhoe

File

Bureau of Environmental Health

3525-H Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-2640 Community Environmental Health (410) 313-2644
Food Protection Program (410) 313-2642 TDD (410) 313-2323

4/16
Forward to [Signature]
for action [Signature]



RECEIVED

HOWARD COUNTY HEALTH DEPARTMENT APR 16 1997

Joyce M. Boyd, M.D., County Health Officer

April 16, 1997

LICENSES & PERMITS
DIVISION

MEMORANDUM

TO: Ms. Avis Corbin, Chief
Department of Inspections, Licenses & Permits
Howard County Government

FROM: Donna K. Soe, R.S.
Water and Sewerage Program
Bureau of Environmental Health

(DKS)

RE: Request for "STOP WORK ORDER"
Building Permit #B00102965
1824 Quarter Horse Drive

This is to respectfully request that your office issue a "STOP WORK ORDER" on the above referenced building permit. At the time of the inspection of the attempt to install the specified septic system, serious complications were discovered by this office.

Due to site conditions, agreement on a very specific driveway configuration was necessary, one that would only slightly impact the approved septic easement. However, the builder failed to adhere to the agreed upon plan. As a result of this action, more than half of the approved septic easement has been rendered unusable.

In order to discuss resolution of this problem, a meeting was scheduled with Mr. George Ballantine, representative for the builder, for April 11, 1997, at 1:00 p.m. No one showed for the scheduled meeting nor did anyone call this office to reschedule the meeting.

Since we believe that a good faith effort has been made by this office to no avail, we feel it is necessary to enforce a more stringent standard such as the requested "STOP WORK ORDER".

Please contact Ms. Amy Mc Millen or myself if you have any other questions or concerns. Thank you in advance for your assistance with this matter.

DKS

cc: Harvard Homes, LLC
file

$$\text{SCALE: } 1'' = 100'$$


- 4/29/97
Meeting with
builder - blue
test holes are
proposed to be
dug.
- ALL
- THE CO

TAX MAP 10

P/O PΔR.

C1 7896		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.	
ST/CO USE ONLY DATE Received		DATE WELL COMPLETED 1111296		Depth of Well 22 175 26 (TO NEAREST FOOT)		COUNTY NUMBER A-50769	
OWNER HARVARO HOMES		STREET OR RFD 1824 QUARTERHORSE C		TOWN WOODSTOCK		PERMIT NO. FROM "PERMIT-TO DRILL WELL" H0-94-0997	
SUBDIVISION PARKSIDE		SECTION		LOT 19			
WELL LOG Not required for driven wells		GRROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 10 NO. OF POUNDS 940 GALLONS OF WATER 60 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 130 ft. TOP 52 BOTTOM 58 (enter 0 if from surface)		C3 PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10.0 METHOD USED TO MEASURE PUMPING RATE 11 15 WATER LEVEL (distance from land surface) BEFORE PUMPING 32 ft. WHEN PUMPING 91 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		CASING RECORD casing types insert appropriate code below MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 30 OTHER CASING (if used) EACH CASING diameter inch depth (feet) from to		PUMP INSTALLED DRILLER WILL INSTALL PUMP (CIRCLE) (YES OR NO) 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) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47			
DESCRIPTION (Use additional sheets if needed)		SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS BRONZE PL PLASTIC HO OPEN HOLE OT OTHER DEPTH (nearest ft.) 1 10 30 175 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 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		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) 20' 20' 20' House Driveway			
NUMBER OF UNSUCCESSFUL WELLS: 0		WELL HYDROFRACTURED yes Y no N		C2 SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60 GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68			
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL		I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA			
TYPE MWD/MSD/MGD DRILLERS LIC NO. 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC NO. JWD Max Jones		SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)					

(410) 884-0010

URGENT
EMERGENCY/TEMP NO. IF ANY

B 1	7156	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">40-94-0997</div> <small>fill in this form completely</small>
<small>THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS</small>				
OWNER INFORMATION Date Received (APA) <div style="border: 1px solid black; padding: 2px;">11/2/96</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAWRENCE HOMES</div> <small>15 Last Name Owner First Name</small> <div style="border: 1px solid black; padding: 2px; display: inline-block;">9017 RED BRANCH RD</div> <small>36 Street or RFD 55</small> <div style="border: 1px solid black; padding: 2px; display: inline-block;">COLUMBIA MD 21045</div> <small>57 Town 70 State 72 Zip 76</small>			LOCATION OF WELL 8 COUNTY <div style="border: 1px solid black; padding: 2px;">HOWARD</div> 21 <div style="border: 1px solid black; padding: 2px;">PARK SIDE</div> <small>23 SUBDIVISION 42</small> SECTION <div style="border: 1px solid black; padding: 2px;">44</div> LOT <div style="border: 1px solid black; padding: 2px;">19</div> <small>44 46 48 50</small> <div style="border: 1px solid black; padding: 2px; display: inline-block;">WOODSTOCK</div> <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px;">0</div> MI <small>73 76 77 78</small>	
DRILLER INFORMATION CIRCLE: MSD/MGD/MWD <input checked="" type="radio"/> Driller's Name <div style="border: 1px solid black; padding: 2px;">Michael Barlow</div> <div style="border: 1px solid black; padding: 2px;">355</div> <small>77 License No. 80</small> Firm Name <div style="border: 1px solid black; padding: 2px;">Michael Barlow Well Drilling</div> Address <div style="border: 1px solid black; padding: 2px;">912 Fawn Ct. Topper 21081</div> Signature <div style="border: 1px solid black; padding: 2px;">[Signature]</div> Date <div style="border: 1px solid black; padding: 2px;">11-15-96</div> <small>Signature Date</small>			NEAR WHAT ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">1832 QUARTER HORSE RD.</div> <small>30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <input checked="" type="checkbox"/> NORTH <input type="checkbox"/> WEST <input type="checkbox"/> EAST <input type="checkbox"/> SOUTH </div> <div style="margin: 0 10px;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2000</div> <small>34 37</small> </div> </div> DISTANCE FROM ROAD ENTER FT OR MI <div style="border: 1px solid black; padding: 2px;">FT</div> <small>38 39</small> TAX MAP: BLK: PARCEL:	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px;">5</div> <small>8 12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px;">500</div> <small>14 20</small>			DIRECTION OF WELL FROM TOWN (CIRCLE BOX) <div style="text-align: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">N</div> <div style="margin-bottom: 5px;">NW</div> <div style="margin-bottom: 5px;">W</div> <div style="margin-bottom: 5px;">SW</div> <div style="margin-bottom: 5px;">S</div> <div style="margin-bottom: 5px;">SE</div> <div style="margin-bottom: 5px;">E</div> <div style="margin-bottom: 5px;">NE</div> </div> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center;">TOWN</div> </div>	
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 COUNTY NAME <div style="border: 1px solid black; padding: 2px;">HOWARD</div> COUNTY NO. <div style="border: 1px solid black; padding: 2px;">A-50709</div> STATE SIGNATURE: INSERT S: <input type="checkbox"/> DATE ISSUED <div style="border: 1px solid black; padding: 2px;">12/2/96</div> EXP. DATE <div style="border: 1px solid black; padding: 2px;">12-2-97</div> <small>43 48 CO SIGNATURE 55 57 63</small> NORTH GRID <div style="border: 1px solid black; padding: 2px;">540000</div> EAST GRID <div style="border: 1px solid black; padding: 2px;">830000</div>	
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px;">200</div> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <div style="border: 1px solid black; padding: 2px;">6</div> INCH <small>NEAREST INCH</small>			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 <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> E 830 N 540 </div> <div style="text-align: center;"> 000 000 </div> </div>	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN <small>30 37</small> AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY DRIVE-POINT other _____			DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION <div style="border: 1px solid black; padding: 10px; min-height: 100px;"> <p style="font-size: 24pt; text-align: center;">12/12/96</p> <p style="font-size: 24pt; text-align: center;">8:30 GROUT</p> <p style="font-size: 24pt; text-align: center;">NO ONE AT SITE @ 10:30 AM/PM</p> </div>	
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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="border: 1px solid black; padding: 2px;">41</div> <div style="border: 1px solid black; padding: 2px;">52</div>			99 Old Federal Rd. Quoted by Dr. Diversion WOOD STOCK RD.	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px;">54</div> <div style="border: 1px solid black; padding: 2px;">63</div> FORCE <div style="border: 1px solid black; padding: 2px;">GS</div> WRITE INITIALS IN BOX <div style="border: 1px solid black; padding: 2px;">67 68</div> PERMIT No. <div style="border: 1px solid black; padding: 2px;">40-94-0997</div> <small>70 71 72 73 74 75 76 77 78 79</small>				
SPECIAL CONDITIONS <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</small>				

THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM
 EMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS
 STABILIZE ANY REMAINING DISTURBED AREAS.

ADDITIONAL NOTES

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

NOTATIONS

DEEPER THREE INCHES OF SOIL BY RAKING, DISCING
ACCEPTABLE MEANS BEFORE SEEDING
PREVIOUSLY LOOSENED.

15: LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.)

PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST
24 NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL
LBS./1,000 SQ.FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14,
3 LBS./ACRE OF WEEPING LOVEGRASS (.07 LBS./1000SQ.FT.).
PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY
TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND
ERON AS POSSIBLE IN THE SPRING, OR USE SOD.

3 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.)
 LAY SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
 MULCH IMMEDIATELY AFTER APPLICATION USING MULCH
 TOOL OR 210 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.)
 SPREAD ASPHALT ON FLAT ACRES. ON SLOPES 8 FEET OR HIGHER,
 10 GALLONS PER ACRE (10 GAL./1,000 SQ.FT.) FOR ANCHORING.

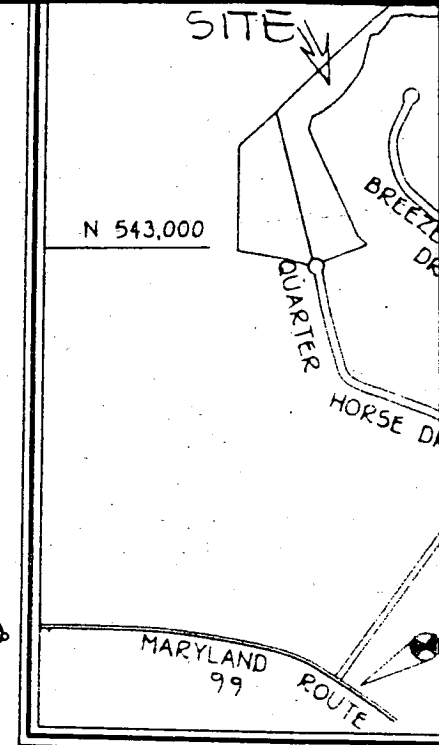
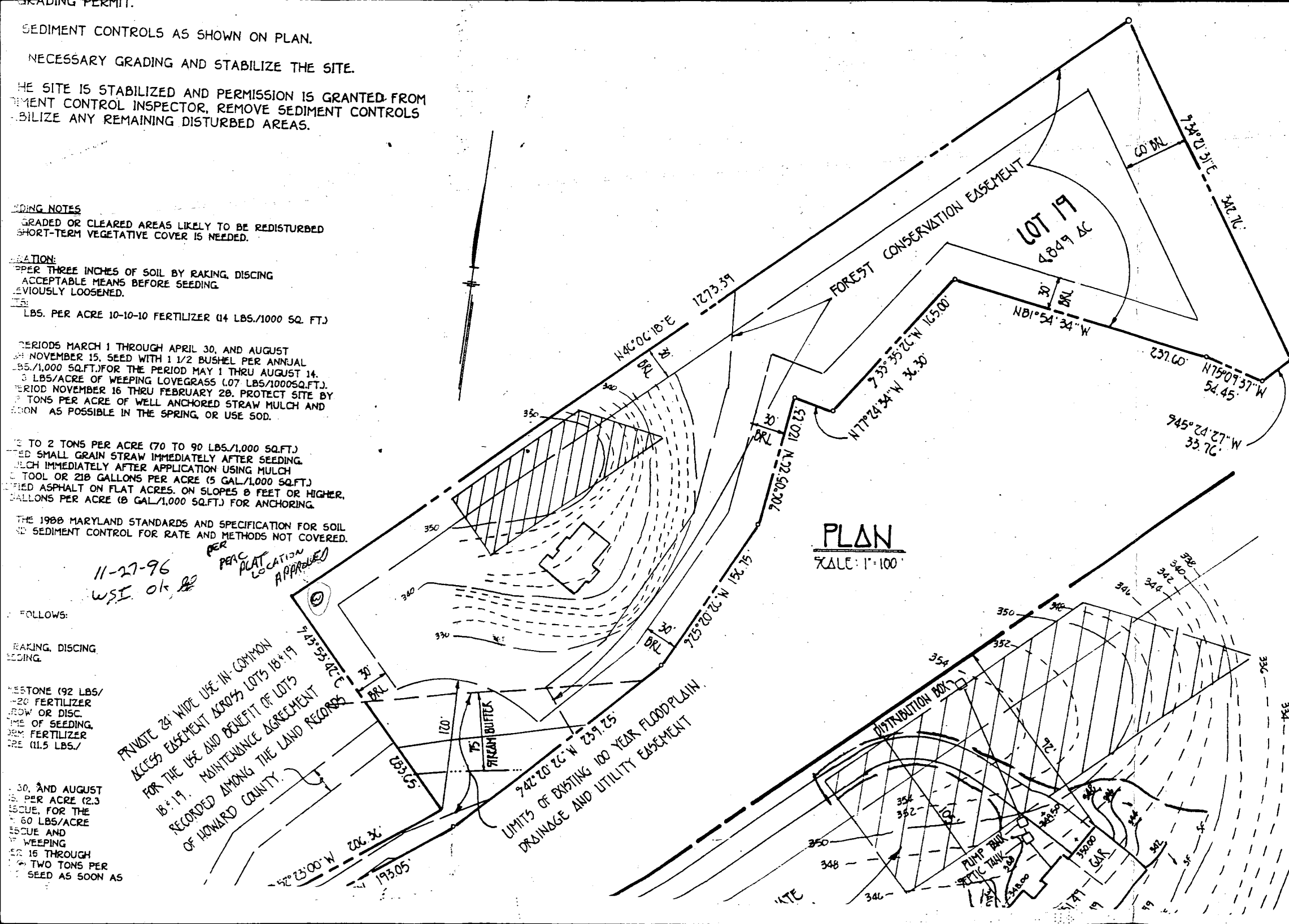
THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL
AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

: FOLLOWS:

PLANKING, DISCING
FEDING.

WESTONE (92 LBS/
-20 FERTILIZER
ROW OR DISC
TIME OF SEEDING,
3000 FERTILIZER
PRE (11.5 LBS./

30, AND AUGUST
15, PER ACRE (2.3
BU/AC), FOR THE
150 LBS/ACRE
ESCUE AND
WEEPING
15 THROUGH
TWO TONS PER
SEED AS SOON AS



GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD C. No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 351.49
B. BASEMENT ELEVATION: 342.49
C. INVERT OF SEPTIC SYSTEM AT HOUSE:
D. INVERT IN AT SEPTIC TANK: 347.21
E. INVERT OUT AT SEPTIC TANK: 340.9
F. PROPOSED GRADE OVER SEPTIC TANK:
G. INVERT AT DISTRIBUTION BOX: 351.0
H. EXISTING GROUND OVER DISTRIBUTION
4. LENGTH OF TRENCH TO BE DETERMINED AT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATION ANY CONSTRUCTION.
6. THERE IS NO BASEMENT SERVICE TO SEPTIC
7. INVERT IN AT PUMP TANK: 346.71
8. INVERT OUT AT PUMP TANK: 346.71

ER'S CERTIFICATE

ES PLAN FOR EROSION AND SEDIMENT CONTROL
WORKABLE PLAN BASED ON MY PERSONAL
ION AND THAT IT WAS PREPARED IN
MENTS OF THE HOWARD SOIL CONSERVATION

DATE

ER'S CERTIFICATE

DEVELOPMENT AND CONSTRUCTION WILL BE
OF DEVELOPMENT AND PLAN FOR EROSION
AT ALL RESPONSIBLE PERSONNEL INVOLVED
WILL HAVE A CERTIFICATE OF ATTENDANCE
RESOURCES APPROVED TRAINING PROGRAM
AND EROSION BEFORE BEGINNING THE PROJECT
SITE INSPECTION BY THE HOWARD SOIL
ER AUTHORIZED AGENTS, AS ARE DEEMED

DATE

SOIL CONSERVATION DISTRICT AND MEETS

DATE

FOR EROSION AND SEDIMENT CONTROL BY
DISTRICT

DATE

NOTES

1. BE GIVEN TO THE HOWARD COUNTY
PRIOR TO THE START OF ANY
PRACTICES ARE TO BE INSTALLED
THIS PLAN AND ARE TO BE IN
AND STANDARDS AND SPECIFICATIONS
CONTROL
2. OR REDISTURBANCE, PERMANENT
1. BE COMPLETED WITHIN 30
2. SEDIMENT CONTROL STRUCTURES
GREATER THAN 34" 10-14 DAYS
GRADED AREAS ON THE PROJECT SITE
MUST BE FENCED AND WARNING
STAKE IN ACCORDANCE WITH VOL. 1
TY DESIGN MANUAL. STORM DRAINAGE
REQUIRED WITHIN THE TIME PERIOD
WITH THE 1988 MARYLAND STANDARDS
AND SEDIMENT CONTROL FOR
1988. SEE TEMPORARY SEEDING
TEMPORARY STABILIZATION
1988 WHEN RECOMMENDED SEEDING
GERMINATION AND ESTABLISHMENT OF
3. ARE TO REMAIN IN PLACE AND ARE
REVISION UNTIL PERMISSION FOR
FROM THE HOWARD COUNTY SEDIMENT

4.841 ACRES
0.20 ACRES
0.08 ACRES
0.12 ACRES
1000 CUBIC YDS.
1000 CUBIC YDS.
A LOCATION CUBIC YDS.
WHICH IS DISTURBED BY GRADING
MUST BE REPAIRED ON THE

1. BE PROVIDED IF DEEMED
1. OF SEDIMENT CONTROL INSPECTOR
2. IN EXCESS OF 2 ACRES
1. SHALL BE REQUESTED UPON
CRITERIA EROSION AND SEDIMENT
2. WITH ANY OTHER EARTH
BUILDING OR GRADING INSPECTION
3. UNTIL THIS INITIAL APPROVAL

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 0-20-20 FERTILIZER
(15 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-FORM FERTILIZER
(9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 0.15 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 60 LBS./ACRE
(1.4 LBS./1,000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND
2 LBS. PER ACRE (0.05 LBS./1,000 SQ.FT.) OF WEEPING
LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH
FEBRUARY 28, PROJECT SITE BY: OPTION (1) - TWO TONS PER
ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS
POSSIBLE IN THE SPRING; OPTION (2) - USE SOG; OPTION (3) -
SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH
WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD
BE HYDROSEED.

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 200
GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED
ASPHALT ON FLAT ACRES. ON SLOPES 8 FEET OR HIGHER USE
340 GALLONS PER ACRE (8.5 GAL./1,000 SQ.FT.) FOR ANCHORING.

MAINTENANCE
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS,
REPLACEMENTS AND RESEEDING.

FOR PUBLIC PONDS SUBSTITUTE CRUMBING CROWN VETCH 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.

WOVEN WIRE FENCE
8" X 1 1/2" GALV.
MAX. 12" WIRE SPACING
30" HON. FENCE
POSTS, DRIVEN 18"
16" INTO GROUND

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
4. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED 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./1,000 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./1,000 SQ.FT.).
FOR THE PERIOD NOVEMBER 16 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 SOG.

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 340 GALLONS PER ACRE (8.5 GAL./1,000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL
EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PRIVATE 8' WIDE USE IN COMMON
ACCESS EASEMENT ACROSS LOTS 18 & 19
FOR THE USE AND BENEFIT OF LOTS
18 & 19. MAINTENANCE AGREEMENT
RECORDED AMONG THE LAND RECORDS
OF HOWARD COUNTY.

UNITS OF EXISTING 100 YEAR FLOODPLAIN
DRAINAGE AND UTILITY EASEMENT

EXISTING PRIVATE
SEWERAGE DISPOSAL
EASEMENT

PLAN
SCALE: 1" = 100'

PLAN
SCALE: 1" = 50'

GENERAL

1. SEPTIC EASEMENT
2. PROPOSED 150'
3. A. FIRST FLOOR
B. BASEMENT
C. INVERT OF
D. INVERT IN
E. INVERT OF
F. PROPOSED
G. INVERT A
H. EXISTING
I. LENGTH OF T
J. ISSUANCE
K. CONTRACTOR
L. ANY CONSTR
M. THERE IS NO
N. INVERT IN ST
O. INVERT OUT

N 543.00'

MA