

10/2/95  
c/o am  
10/10/95  
After 12:00  
10/11/95 AFTER 12

# PERMIT 03-315940

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50873

A 41707

DISTRICT \_\_\_\_\_

#### HOWARD COUNTY HEALTH DEPARTMENT

##### BUREAU OF ENVIRONMENTAL HEALTH

461-9933 313-2640

DATE 9-13-95

DATE SYSTEM APPROVED 10/11/95

INSPECTOR H. R. Kin

INDEXED

W.T. Cumberland & Company IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 16391 A.E. Mullinix Road, Woodbie, MD 21797 PHONE 854-6838

SUBDIVISION Spring Valley Chase LOT 11 ROAD 12124 Serenity Lane

PROPERTY OWNER Thomas & Mary Knight

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

*Serial # 60759  
Returned 7/25/95*

TRENCHES - Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 190 feet down the left (630.0') lot line and 80' off the same lot line as seen when facing the lot from Serenity Lane. Run all trenches along contour toward the right (275.0') lot line. First trench to be a maximum of 50 feet long, second trench to be a maximum of 60 feet long, and third trench to be a maximum of 80' long. Maintain a minimum of 100' to all wells.

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

PLANS APPROVED BY Jane Nadeau ok/cw DATE 5/13/94

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

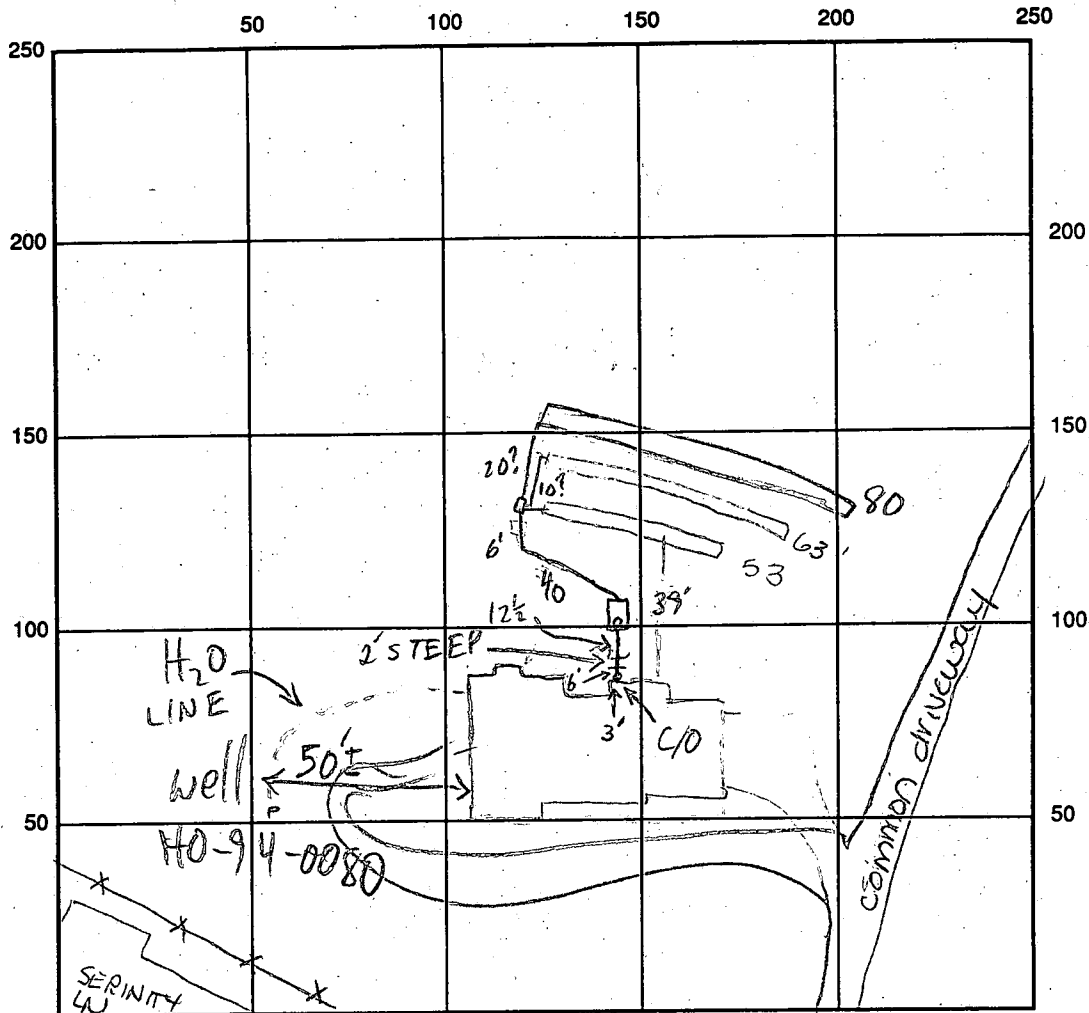
PERMIT VOID AFTER TWO YEARS

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**

A  
41707



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL CLEANOUTS INLINE 4 S.T. - OK

DISTRIBUTION BOX LEVEL OK - BAFFLE 1A

DRAIN FIELD/TITLE DEPTH 1 1/2 1/3 8 1/8 8 FT. TRENCH WIDTH 2' FT. INLET DEPTH 1 1/2 1/3 4 1/4 4 FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 1/3 4 1/4 4 FT. TOTAL LENGTH 1 53 3 80 2 63 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 212 320 252 SQ. FT.

DRYWALL INSIDE DIAMETER        FT. EFFECTIVE DEPTH BELOW INLET        FT.

ABSORBENT AREA 784 SQ. FT.

REMARKS: 10/2/95 OK to stone trenches 1 & 2 Box, tank & house connection  
not in yet Aww 10/10/95 OK TO COVER HOUSE TO D.B., AND  
STONE LAST TRENCH MR  
10/11/95 OK TO COVER MR

DATE SYSTEM APPROVED 10/11/95 INSPECTOR M. Ripkin

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 992-2330

A 41707

P \_\_\_\_\_

DISTRICT 3RD.

DATE FEB. 16, 1988

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 ALBEE FARMS

ADDRESS 12150 ROUTE 99 MARRIOTTSVILLE MD. PHONE \_\_\_\_\_  
21104

PROPERTY LOCATION: N/3 MD. ROUTE 99 WEST OF HENRYTON ROAD

SUBDIVISION ALBEE FARM LOT NO. 11

ROAD AND DESCRIPTION ROAD 'A'

SIZE OF LOT 3.3 Acs TYPE BLDG. SFD  
(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.

Sam D. Buh  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

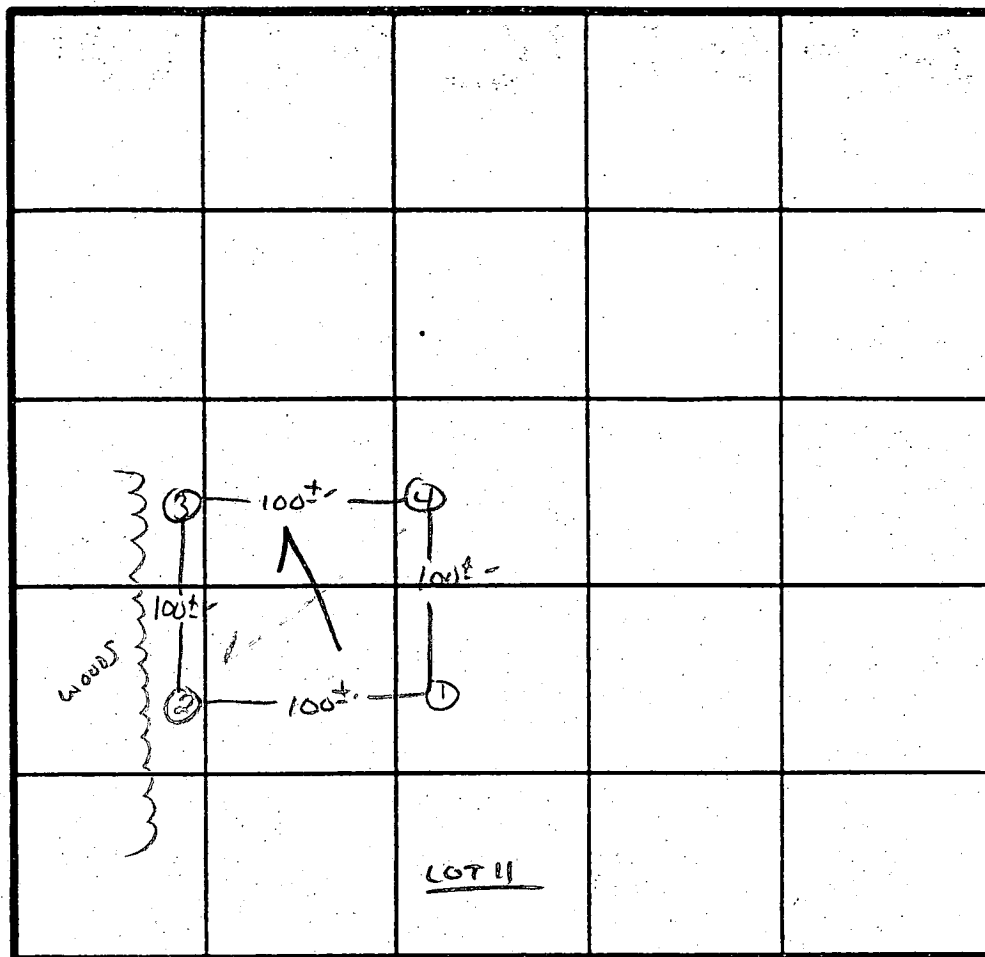
REASONS FOR REJECTION OR HOLDING 7-13-88 PERC SATISFACTORY; HOLD FOR SUBCL. R.A.T. SAM

# THIS IS NOT A PERMIT

① - ④  
SOIL PROFILE

0'  
10'  
2.5'  
3.0'  
4.0'  
13'-  
14'

AD  
RED YEL.  
CLAY LOAM  
w/SMALL  
STONES AT  
SURFACE  
10-15%  
FRAGS  
RED BR.  
TO YELLOW  
BROWN  
SAND  
LOAM  
MICACEOUS



X PERC 6 MIN

180 #/GR

INLET 4  
BOTTOM 8

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 99

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/13/88	1S	3	11:36	11:37	11:37	11:39	2 MIN
	1M	8	11:36	11:37	11:37	11:39	2 MIN
	1V	13'	UNIFORM Soil below 3'				
	2V	14'	UNIFORM Soil below 3.0'				
	3S	5'	11:46	11:55	11:55	12:10	15 MIN
	3V	14'	UNIFORM Soil below 4.0'				
	4S	4'	11:52	11:53	11:53	11:55	2 MIN
	4V	13'	UNIFORM Soil below 3.5'				

REMARKS

Holes APPROX TO RAT

TYPE OF SOIL

MANOR

TESTED BY

S. AGR

ALSO PRESENT

SKIP, JOHN  
MRS. BAKER

Final Plat F90-24

Signed 6-20-90

Scale

1"=100'

WILBUR S. ZEPP  
287/89

RUSSELL M. SHIPLEY &  
EDITH S. SHIPLEY  
173/595

MARY K. RUTH  
643/241

E 817,250  
N 543,750

E 817,250  
N 543,250

N

967

STONE  
FOUND

S72°27'09"E

MATCH

329.37'

964

S26°00'00"E

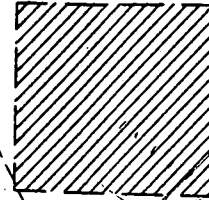
LINE

LOT 11  
3.005 AC±

N23°06'45"W

630.00'

676.85'



30'

30'

B.R.L.

5' REVERTIBLE  
SLOPE EASEMENT

954

508

953

SERENITY

R=402.47'

R=352.47'

5' REVERTIBLE  
SLOPE EASEMENT

L=265.98'

L=210.98'

125'

N08°18'09"E

5.00'

47.05'

115'

90'

L=122.50'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

N42°41'17"E

452.52'

413.57'

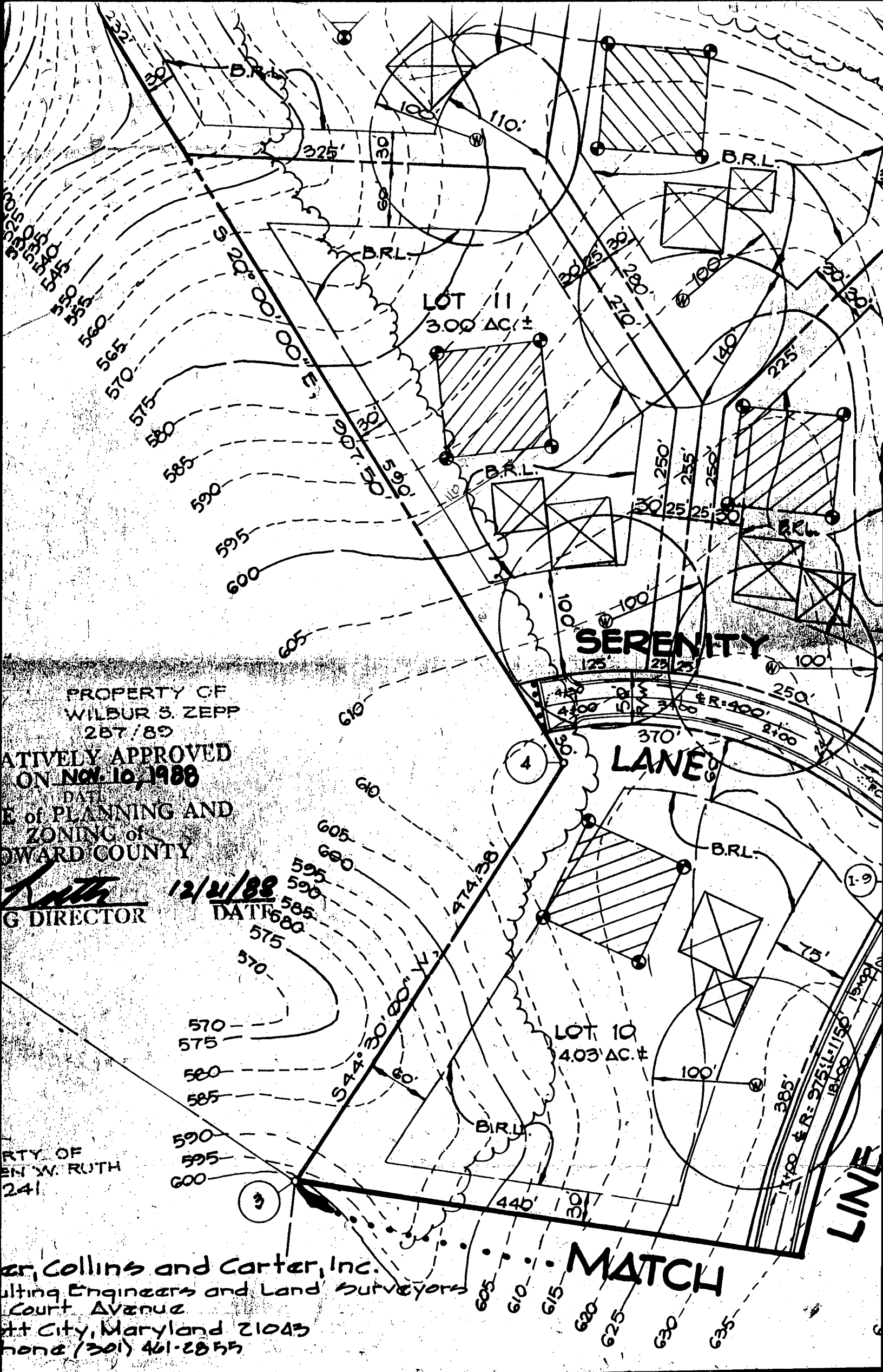
60'

B.R.L.

LOT 10  
4.367 AC±

2'24"E

175'



PROPERTY OF  
WILBUR S. ZEPP  
287/89

ACTIVELY APPROVED  
ON Nov. 10, 1988

DATE  
E of PLANNING AND  
ZONING of  
BOWDARD COUNTY

*[Signature]*  
G DIRECTOR

12/21/88  
DATE

PROPERTY OF  
W. RUTH  
241

er, Collins and Carter, Inc.  
ulting Engineers and Land Surveyors  
Court Avenue  
t City, Maryland 21043  
hone (301) 461-2855

MATCH

LINE

<b>B 1</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">00708</div>	SEQUENCE NO. (DP USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">HC-94-0080</div>
Date Received (APA) <div style="border: 1px solid black; padding: 2px; display: inline-block;">050594</div>		<b>B 3</b> <b>LOCATION OF WELL</b>	
<b>OWNER INFORMATION</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">GAPP</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">M</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">SCOTT</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">11368 FREDERICK ROAD</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">ELLICOTT CITY MD 21043</div>		8 COUNTY <div style="border: 1px solid black; padding: 2px; display: inline-block;">HOWARD</div> 23 SUBDIVISION <div style="border: 1px solid black; padding: 2px; display: inline-block;">SPRING VALLEY CHASE</div> SECTION <div style="border: 1px solid black; padding: 2px; display: inline-block;">44</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">46</div> LOT <div style="border: 1px solid black; padding: 2px; display: inline-block;">11</div> 52 NEAREST TOWN <div style="border: 1px solid black; padding: 2px; display: inline-block;">WEST FRIENDSHIP</div> MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px; display: inline-block;">2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">MI</div>	
<b>DRILLER INFORMATION</b> Driller's Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph L. Wayne</div> 77 License No. 80 <div style="border: 1px solid black; padding: 2px; display: inline-block;">24</div> Firm Name <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph L. Wayne Well Drilling</div> Address <div style="border: 1px solid black; padding: 2px; display: inline-block;">5512 Ridge Rd. Mt. Airy, Md. 21771</div> Signature <div style="border: 1px solid black; padding: 2px; display: inline-block;">Joseph L. Wayne</div> Date <div style="border: 1px solid black; padding: 2px; display: inline-block;">5/4/94</div>		<b>B 4</b> DIRECTION OF WELL FROM TOWN (CIRCLE BOX) ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="border: 1px solid black; padding: 2px; display: inline-block;">Serenity Lane</div> NEAR WHAT ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">11</div> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="border: 1px solid black; padding: 2px; display: inline-block;">W</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">E</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">S</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">N</div> DISTANCE FROM ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block;">95</div> ENTER FT or MI <div style="border: 1px solid black; padding: 2px; display: inline-block;">FT</div>	
<b>B 2</b> <b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px; display: inline-block;">5</div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px; display: inline-block;">500</div>		<b>USE FOR WATER</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)	
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">200</div> FEET		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <div style="border: 1px solid black; padding: 2px; display: inline-block;">Howard</div> COUNTY NO. <div style="border: 1px solid black; padding: 2px; display: inline-block;">A 41707</div> STATE SIGNATURE <div style="border: 1px solid black; padding: 2px; display: inline-block;">Howard</div> DATE ISSUED <div style="border: 1px solid black; padding: 2px; display: inline-block;">051394</div> EXP. DATE <div style="border: 1px solid black; padding: 2px; display: inline-block;">5-13-95</div> NORTH GRID <div style="border: 1px solid black; padding: 2px; display: inline-block;">543000</div> EAST GRID <div style="border: 1px solid black; padding: 2px; display: inline-block;">0817000</div>	
APPROXIMATE DIAMETER OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block;">6</div> INCH		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 <div style="border: 1px solid black; padding: 2px; display: inline-block;">820</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">540</div>	
<b>METHOD OF DRILLING</b> (circle one) <input checked="" type="radio"/> BORED (or Augered) <input type="radio"/> JETTED <input type="radio"/> Jettied & DRIVEN <input type="radio"/> AIR-ROTARY <input type="radio"/> AIR-PERCussion <input type="radio"/> ROTARY (Hydraulic Rotary) <input type="radio"/> CABLE <input type="radio"/> REVERSE-ROTARY <input type="radio"/> DRIVE-POINT <input type="radio"/> 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. 	
<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> 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; display: inline-block;">41</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">52</div>		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">G A P</div> FORCE <div style="border: 1px solid black; padding: 2px; display: inline-block;">JAN</div> PERMIT No. <div style="border: 1px solid black; padding: 2px; display: inline-block;">HC-94-0080</div>	
SPECIAL CONDITIONS			

C1 5175 SEQUENCE NO. (DENV USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 A41707

ST/CO USE ONLY  
DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"

8 13

051914

22 325 26  
(TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37  
40-94-0080

OWNER last name first name TOWN  
STREET OR RFD  
SUBDIVISION SECTION LOT

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

SAND  
GRAY MICA  
Rock  
48 325

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)  
from ft. to ft.  
(enter 0 if from surface)

casing types insert appropriate code below

CASING RECORD

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)

OTHER CASING (if used) diameter inch depth (feet) from to

screen type or open hole insert appropriate code below

SCREEN RECORD

ST BR HO  
STEEL BRASS OPEN HOLE  
PL OT  
PLASTIC OTHER

DEPTH (nearest ft.)  
EACH SCREEN

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.

DRILLERS IDENT. NO.  
DRILLERS SIGNATURE  
(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)  
PUMPING RATE (gal. per min. to nearest gal.)  
METHOD USED TO MEASURE PUMPING RATE  
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 EXCEPT HOME USE  
TYPE OF PUMP INSTALLED  
PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:  
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 (nearest foot)

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)

See attached well location



10/10/95  
After 12:00

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation \_\_\_\_\_ Receipt # \_\_\_\_\_  
Replacement \_\_\_\_\_ Date \_\_\_\_\_  
Name of Installer W. T. Cumberland & Co. Telephone \_\_\_\_\_  
License Number \_\_\_\_\_  
Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber \_\_\_\_\_  
Name of Property Owner Knight Telephone \_\_\_\_\_  
Subdivision Spring Valley Chase Lot # 11 Well Tag # 40-99-0080  
Site Address 12124 Serenity Lane

Pump Motor Pitless Adapter  
1. Type 1. Horsepower 1. Make  
a. Deep well jet 2. RPM 2. Model #  
b. Shallow well jet 3. Voltage 3. Depth  
c. Submersible a. 110  
2. Make b. 220  
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 Piping Well data  
1. Capacity 1. Type 1. Depth \_\_\_\_\_ ft.  
2. Pressure relief 2. Size 2. Yield \_\_\_\_\_ GPM  
valve? 3. NSF and/or BOCA 3. Static water  
level \_\_\_\_\_ ft.  
4. Depth of supply 4. Will water supply  
line be disinfected by  
installer?  
W.P.I.: Line OK to  
Cover 4' ± B.G. MR 10/10/95

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: \_\_\_\_\_

Date: \_\_\_\_\_

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

## 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/WE 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.

DISTRICT HOWARD SOIL CONSERVATION DIST.

DATE

### SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (1992-2437).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE REQUIREMENTS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 GREATER THAN 3:1, (b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 5) 500 (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	3.005 ACRES
AREA TO BE ROOFED OR PAVED	0.43 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.30 ACRES
TOTAL CUT	CU.YDS.
OPTIMUM 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 DPW 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.

### PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

**SEEDBED PREPARATION:**  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

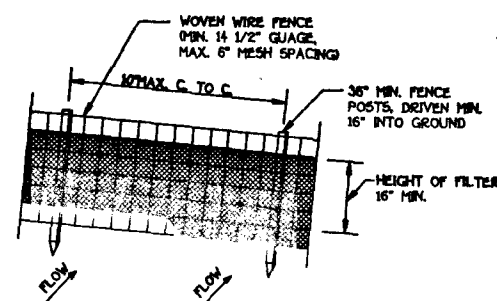
**SOIL AMENDMENTS:**  
APPLY TWO TONS PER ACRE DOLOMITIC LIME (82 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (11.5 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 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 500 LBS. PER ACRE OF SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.

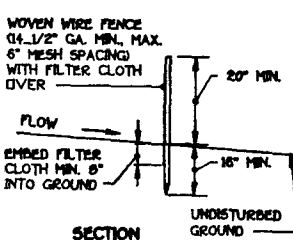
**MULCHING:**  
APPLY 1 1/2 TO 2 TONS PER ACRE (90 TO 90 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (18 GAL./1,000 SQ.FT.) FOR ANCHORING.

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

• FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWNVECH 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.



PERSPECTIVE VIEW



SECTION

### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER 1 OR 2 TYPE OR 2" HARDWOOD

FENCE: WOVEN WIRE, 16 GA. 6" MAX. HESH OPENING

FILTER CLOTH: FILTER X HRAVI 100% STABILIZED T4 ON OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFOAM ENVIROFENCE, OR APPROVED EQUAL

### SILT FENCE

NOT TO SCALE

### CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- POINTS WHERE INGRESS OR EGRESS OCCURS: FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR INVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FILTERED WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT FILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

### STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
971 BALTIMORE NATIONAL PIKE, SUITE 100  
ELLICOTT CITY, MARYLAND 21042  
(410) 461-2853

WO# 60962

### 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 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.

**SEEDBED PREPARATION:**  
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

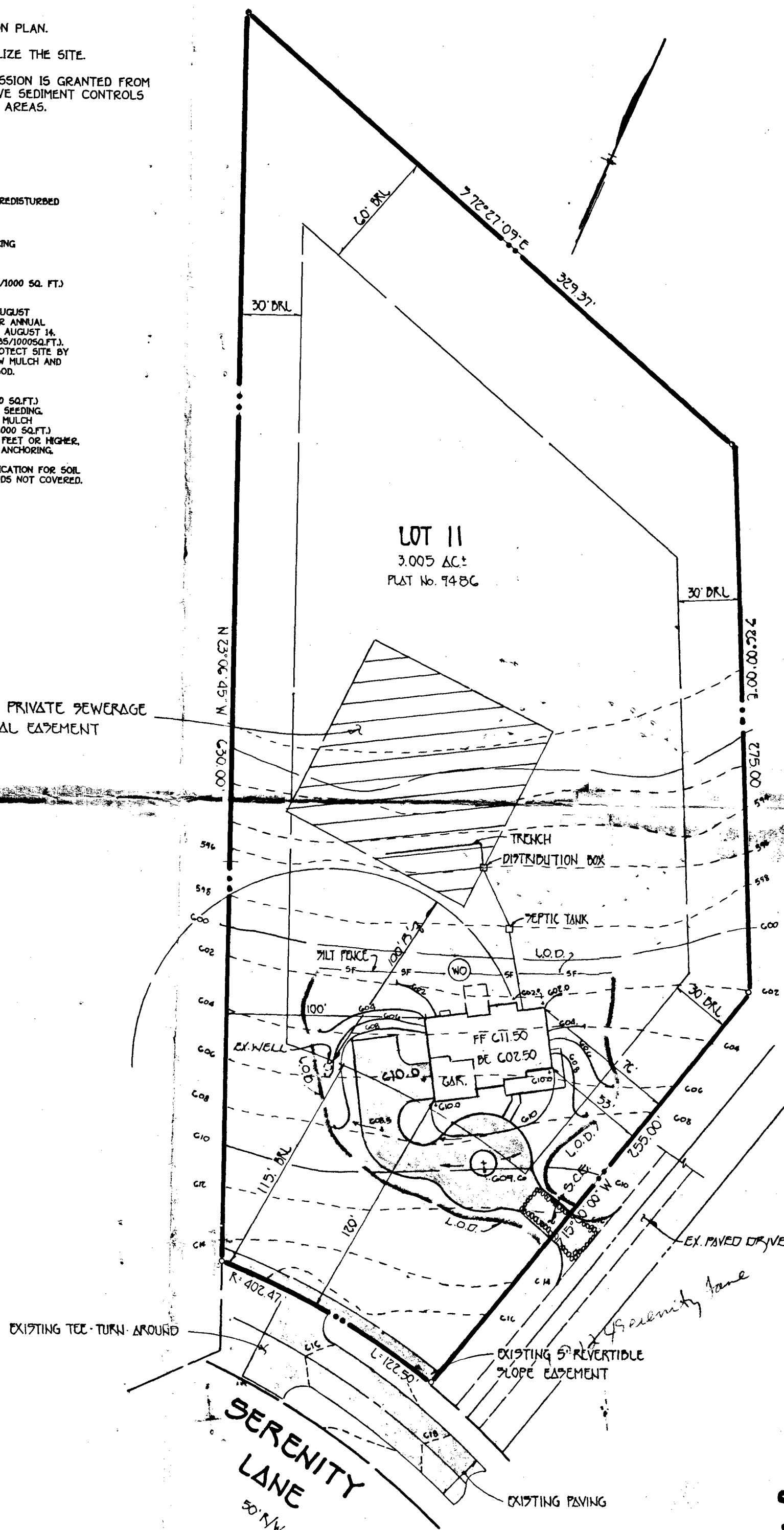
**SOIL AMENDMENTS:**  
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1,000 SQ. FT.)

**SEEDING:**  
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (32 LBS./1,000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (07 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 500.

**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 (18 GAL./1,000 SQ.FT.) FOR ANCHORING.

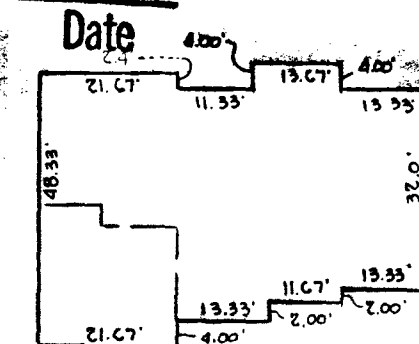
REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

EXISTING PRIVATE SEWERAGE DISPOSAL EASEMENT



Approved Septic System Plan  
Howard County Health Department

Signature: *Ann M. Miller* 7-25-95  
Date: 7-25-95



PROPOSED TWO STORY FOUR BEDROOM DWELLING

PLAN TO ACCOMPANY APPLICATION  
FOR BUILDING PERMIT  
**SPRING VALLEY CHASE**

LOT 11

ZONING "R"

PARCELS 119 & 294

HOWARD COUNTY, MARYLAND

DATE: JULY 7, 1995

TAX MAP 10  
THIRD ELECTION DIST.  
SCALE: 1" = 50'