

# PERMIT

## SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

### INDEXED

P 510621

A 57045-F

DISTRICT 4th

DATE 8/14/98

DATE SYSTEM APPROVED 8/20/98

INSPECTOR DKS

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

**04-360125**

WTC III Plumbing and Heating, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS 1820 Gillis Falls Road Woodbine, MD 21797 PHONE (410) 489-4457

SUBDIVISION Ridgely Station LOT 5 ROAD 17250 Hardy Road

PROPERTY OWNER Vance Merson

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

**\*\*\*MANHOLE CLEANOUT REQUIRED\*\*\***

**(MAX NOT BE NECESSARY) (DKS)**

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Beginning from the intersection of the 412.83' and 88.95' lot lines, begin trenches 220 feet up the 412.83' lot line and 65 feet off that same lot line. Run trenches on contour toward the 412.83' 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. 6/8/98 OK AD

PLANS APPROVED BY Amy McMillen/Donna K. Soe DATE 5/27/98

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

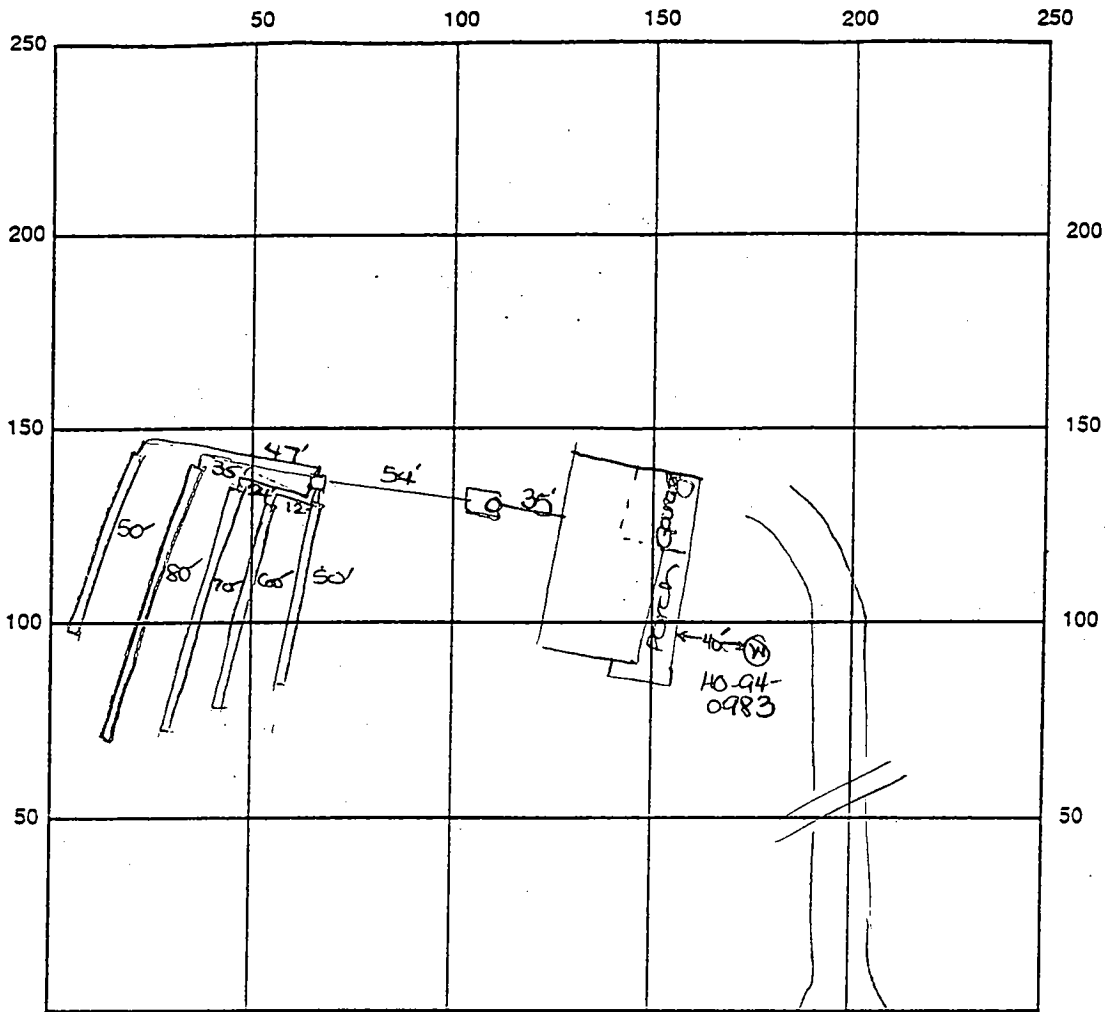
PERMIT VOID AFTER TWO YEARS

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**

A 57045-F



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Hardy Road

SEPTIC TANK LEVEL OK-1250 gal CLEANOUTS one on sit.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 390 FT.

NUMBER OF TRENCHES 5 ONE SIDEWALL/BOTTOM AREA 960 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA      SQ. FT.

REMARKS: 8/10/08 OK to cover first three trenches and continue.

Needs house connection. DKS

8/20/08 FINAL INSP - OK to cover all work. DKS

DATE SYSTEM APPROVED 8/20/08

INSPECTOR [Signature]

# APPLICATION

PERCOLATION TESTING

A 57045D

P \_\_\_\_\_

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

DISTRICT Fourth

DATE July 23, 1996

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 VANCE MERSON AND CHARLES SCHAEFER - VANCE MERSON

ADDRESS 7435 NATHANIEL DRIVE MT. AIRY MARYLAND 21771 PHONE 301-829-3024

AGENT OR PROSPECTIVE BUYER SAME AS ABOVE

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Ridgely Station LOT NO. 4

ROAD AND DESCRIPTION 2600' ± West From The Intersection Of Hardy Road And St. Michaels Road.  
(17250 Hardy Road)

TAX MAP 7 PARCEL # 9

**OLD PERMIT SAVED  
AND RETURNED 5-27-98  
Serial # Bro 111827**

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. SINGLE FAMILY DETACHED DWELLING - 4 BR  
(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. Vance W. Merson  
(SIGNATURE OF APPLICANT)

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

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

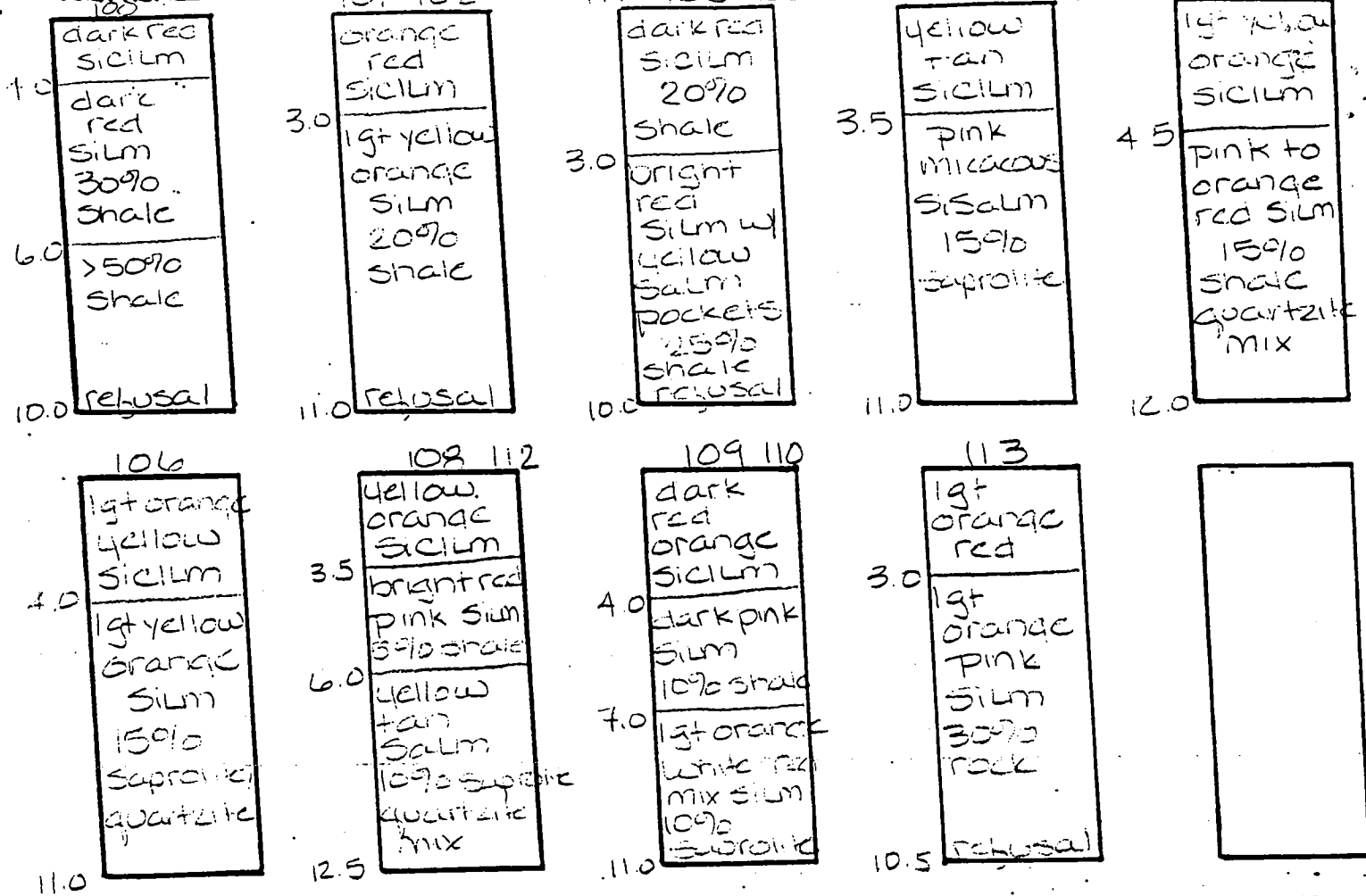
REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

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

SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-8-96	100	Insuff	icient depth to bedrock		see profile		F
	100-A	Visual	to 11.0 - see profile		—		OK
	101	4.0 / 11.0	10:38	10:50	10:50	10:59	9min
	102	Visual	to 11.0 - see profile		—		OK
	103	4.0 / 10.0	9:50	10:05	10:05	10:26	21min
	103	7.5 / 10.0	10:00	10:03	10:03	10:08	5min
	104	6.0 / 11.0	10:05	10:12	10:12	10:25	13min
	105	Visual	to 12.0 - see profile		—		OK
	106	4.5 / 11.0	10:17	10:36	10:36	11:06	30min
	107	4.0 / 12.5	10:33	10:35	10:35	10:45	10min
	108	Visual	to 12.5 - see profile		—		OK
	109	4.5 / 11.0	11:08	11:11	11:11	11:16	5min
	109	8.0 / 11.0	11:16	11:19	11:19	11:23	4min
	110	4.0 / 10.0	10:42	10:54	10:54	11:17	23min

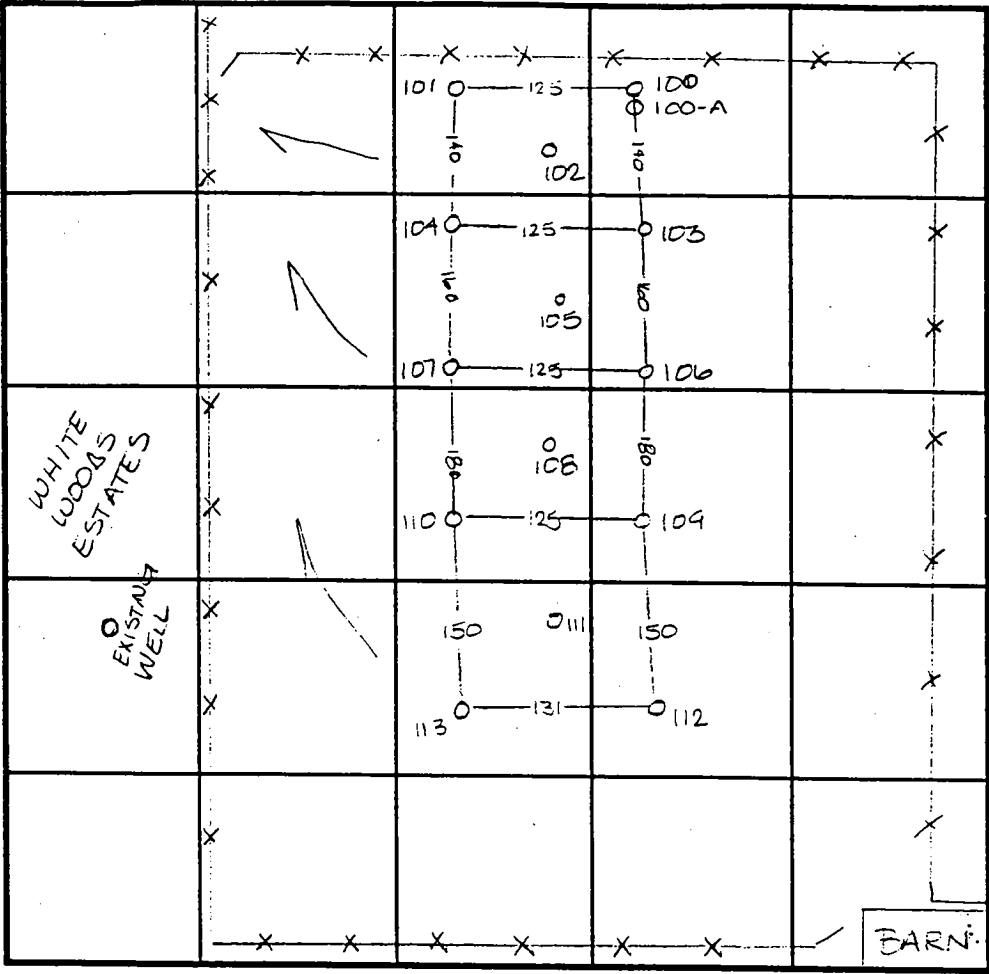
TESTED BY Armi McMillen ALSO PRESENT Alan Ketchum

A57045A-E

COUNTY #

SOIL PROFILE

0'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-8-96	111	Visual to		10.5	see profile		OK
	112	4.0 √12.0	11:40	11:43	11:43	11:47	4min
	113	3.5 √10.5	11:42	11:50	11:50	12:03	13min

REMARKS see attached sheet for soil profiles

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

C1 7883 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A-57045F

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED 1/30/96 DATE WELL COMPLETED 1/21/96 Depth of Well 440 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-99-0983

OWNER SCHROYER CHARLES last name first name STREET OR RFD SUBDIVISION RIDGELY STATION SECTION TOWN LOT 6

WELL LOG Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Brown Shale 0-36, Blue Rock 36-440.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 14 NO. OF POUNDS 1316 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 37 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch!) 6 Total depth of main casing (nearest foot) 40

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST) (BR) (HO) (PL) (OT)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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...

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 24 Joseph L. Moynihan

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

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

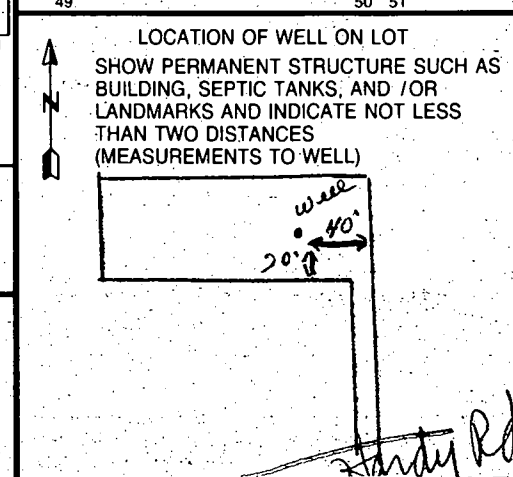
DEPTH (nearest ft.) H0 38 440 E A C H S 2 3 R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60

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

MDE USE ONLY: (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 004.2 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 49 ft. WHEN PUMPING 398 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

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon). PUMP HORSE POWER. PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) (+) above ( ) below LAND SURFACE (nearest foot) 2



**B 1** 7495 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER HD-99-0983  
70 fill in this form completely 78

**Date Received (APA)** 110996 **OWNER INFORMATION**  
SCHROYER CHARLES  
 15 Last Name Owner First Name 34  
1225 EMMAUS RD  
 36 Street or RFD 55  
WOODBINE MD21797  
 57 Town 70 State 72 Zip 76

**B 3** LOCATION OF WELL  
HOWARD COUNTY  
BRIDGELEY STATION 23 SUBDIVISION 42  
 SECTION 6 LOT 6  
MT AIRY 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) 5 MI  
 73 76 77 78

**DRILLER INFORMATION** CIRCLE: MSD/MGD/MWD  
Joseph L. Wayne 24  
 Driller's Name License No. 80  
Joseph L. Wayne Well Driller  
 Firm Name  
5512 Ridge Rd. Mt. Airy, Md. 21771  
 Address  
Joseph L. Wayne 11/4/96  
 Signature Date

**B 4** DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 NEAR WHAT ROAD Hardy Road  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
  
 DISTANCE FROM ROAD 4170 FT  
 ENTER FT OR MI FT  
 TAX MAP: 7 BLK: \_\_\_\_\_ PARCEL 9

**B 2** WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 509

**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-57045F  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S   
 DATE ISSUED 110896 Blk. 700 11/8/97  
 43 DATE ISSUED 48 CO SIGNATURE EXP. DATE  
 NORTH GRID 549000 EAST GRID 767000  
 50 55 57 63

APPROXIMATE DEPTH OF WELL 260 FEET  
 24 28

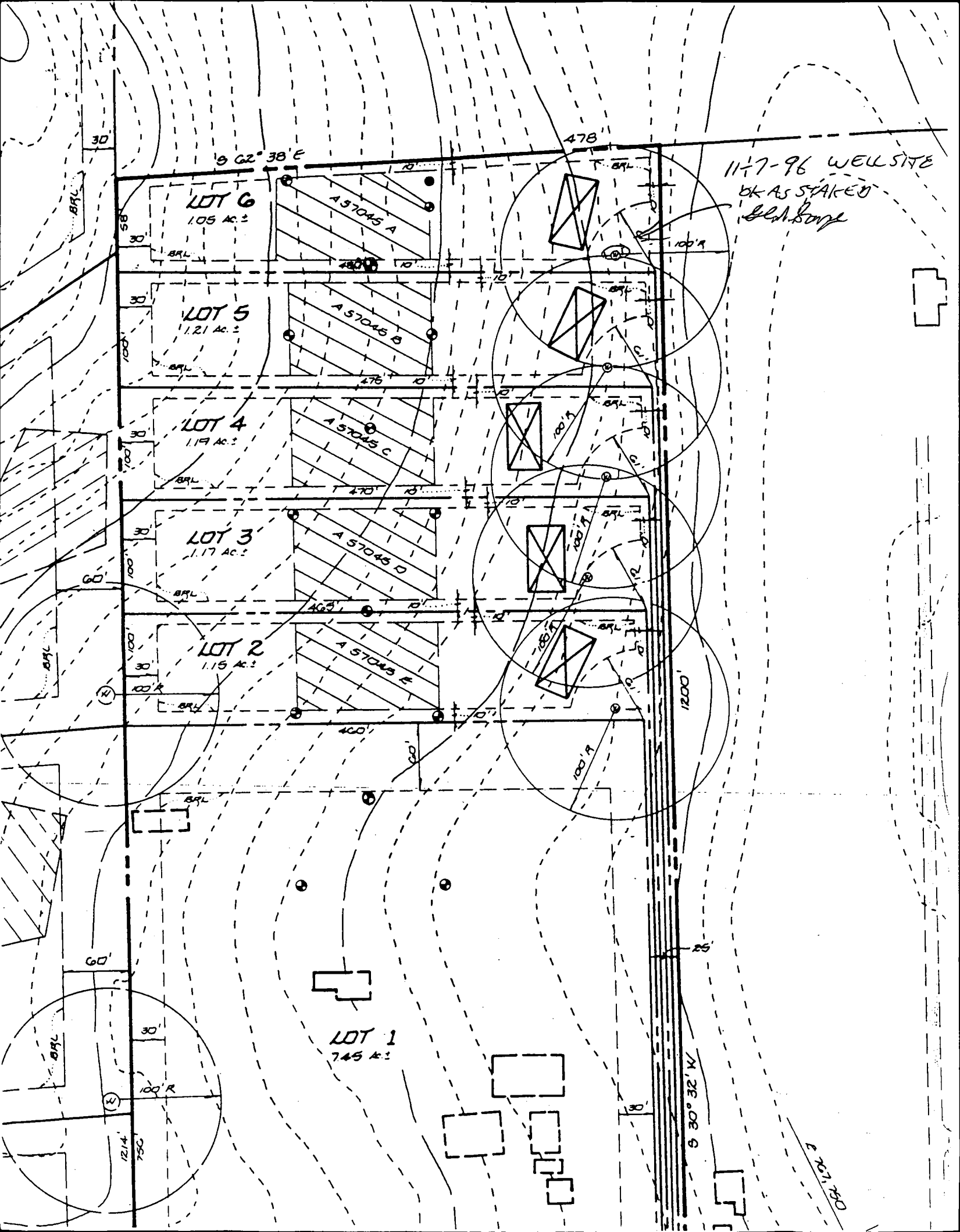
APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

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

**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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 54 63  
 FORCE GS WRITE INITIALS IN BOX PERMIT No. HD-99-0983  
 67 68 70 71 72 73 74 75 76 77 78 79

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 7607  
 N 5409 000 000  
 DRAW A SKETCH BELOW, SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



8/14/98  
 3:30  
 OK  
 HOUSE HAS EXISTING  
 GROUND INSTEAD OF  
 WELL GROUND

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   
 Replacement

Receipt # \_\_\_\_\_  
 Date \_\_\_\_\_

Name of Installer WTC III P+H

Telephone 410 489 4957

License Number 7979

Certified Well Pump Installer \_\_\_\_\_ Well Driller \_\_\_\_\_ Registered Plumber

Name of Property Owner Mervon Vance

Telephone \_\_\_\_\_

Subdivision Ridgeley Station Lot # 3

Well Tag # \_\_\_\_\_

Site Address 1750 Hardy Rd

**Pump**  
 1. Type  
 a. Deep well jet \_\_\_\_\_  
 b. Shallow well jet   
 c. Submersible \_\_\_\_\_  
 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 \_\_\_\_\_

**Motor**  
 1. Horsepower 7/4  
 2. RPM \_\_\_\_\_  
 3. Voltage \_\_\_\_\_  
 a. 110 \_\_\_\_\_  
 b. 220

**Pitless Adapter**  
 1. Make \_\_\_\_\_  
 2. Model # \_\_\_\_\_  
 3. Depth \_\_\_\_\_

**Tank**  
 1. Capacity \_\_\_\_\_  
 2. Pressure relief valve? \_\_\_\_\_

**Piping**  
 1. Type \_\_\_\_\_  
 2. Size \_\_\_\_\_  
 3. NSF and/or BOCA Code approved \_\_\_\_\_  
 4. Depth of supply line \_\_\_\_\_

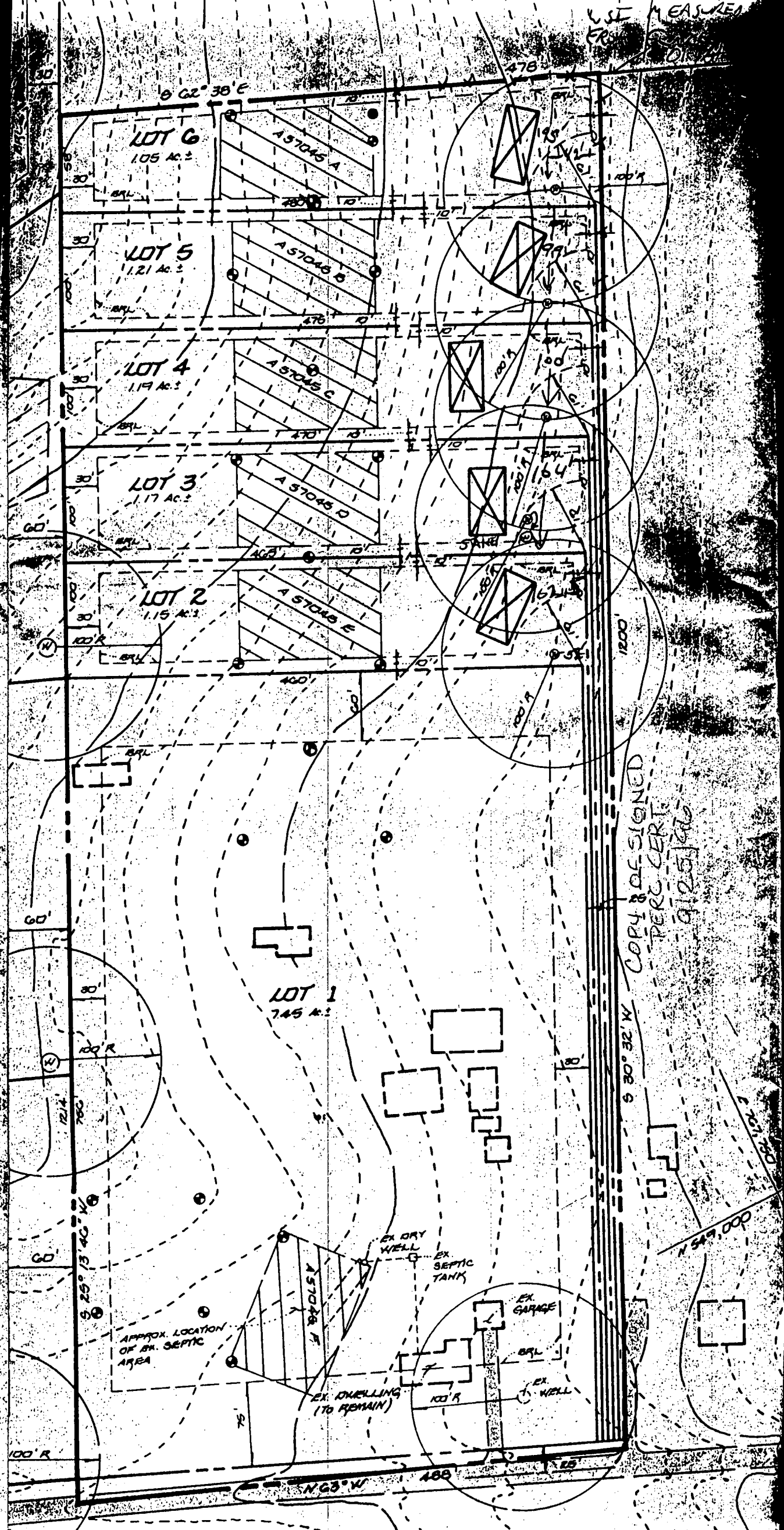
**Well data**  
 1. Depth \_\_\_\_\_ ft.  
 2. Yield \_\_\_\_\_ GPM  
 3. Static water level \_\_\_\_\_ ft.  
 4. Will water supply be disinfected by installer? \_\_\_\_\_

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: [Signature]  
 Date: Aug 14 1998

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

USE MEASURED  
FRONT  
DIS



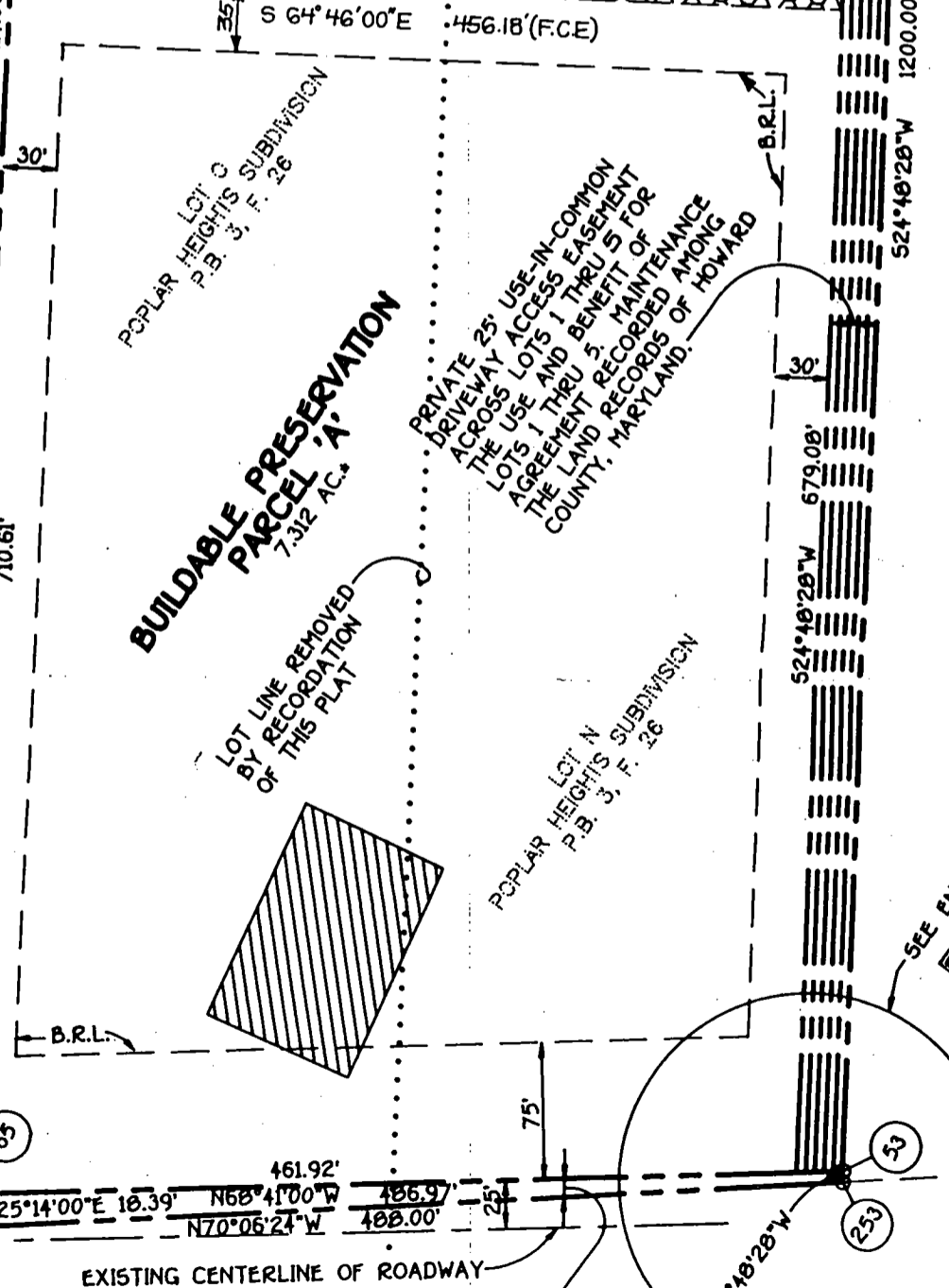
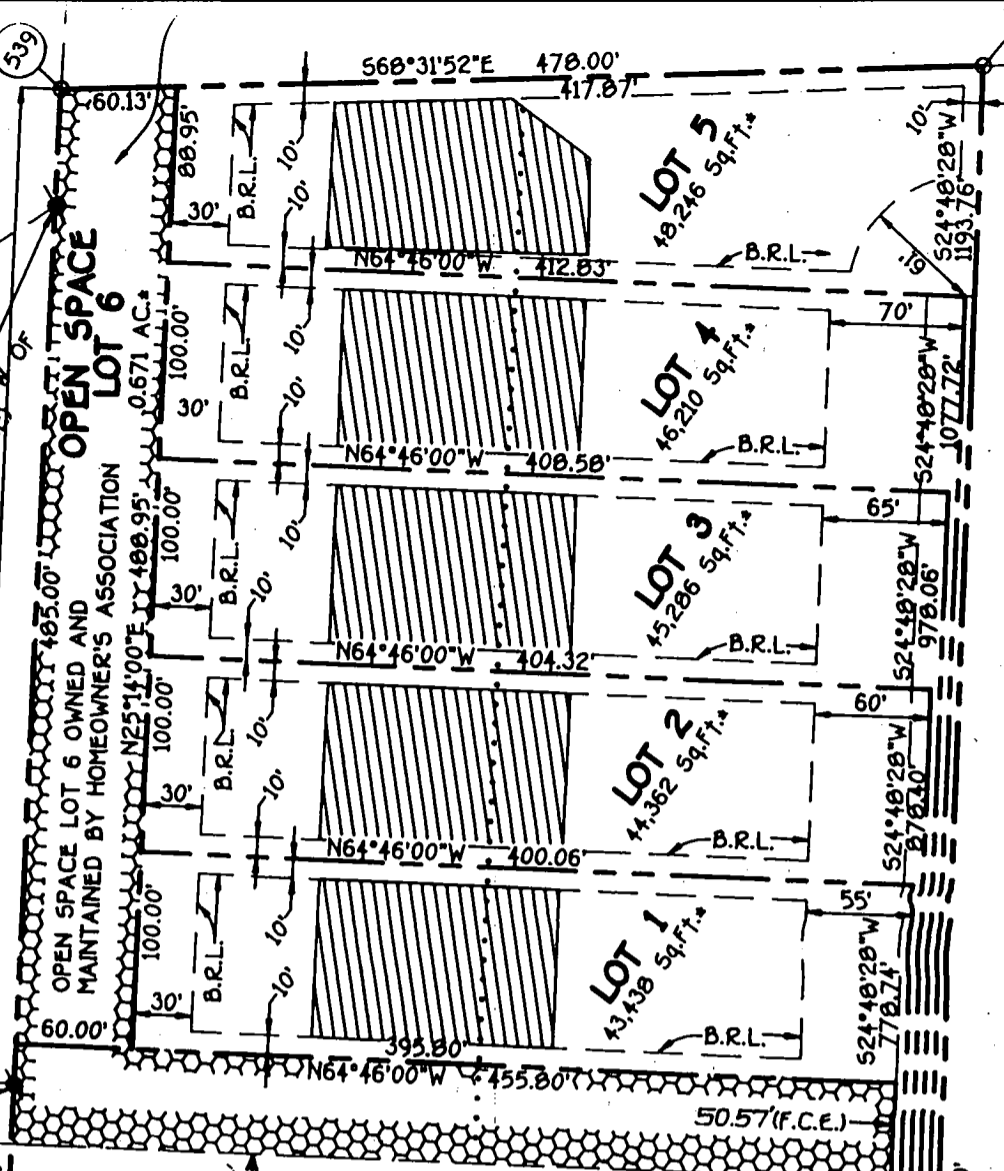
COPY & DESIGNED  
PERC CERT.  
91251210

MINIMUM LOT SIZE	MINIMUM LOT AREA
10,043 Sq.Ft.	10,043 Sq.Ft.
10,169 Sq.Ft.	10,169 Sq.Ft.
10,895 Sq.Ft.	10,895 Sq.Ft.
11,320 Sq.Ft.	11,320 Sq.Ft.
12,898 Sq.Ft.	12,898 Sq.Ft.

REBAR WITH VRA CAP FOUND (0.16' N.W. OF TITLE N.W. OF

REBAR WITH VRA CAP FOUND

REBAR WITH VRA CAP FOUND



REBAR WITH VRA CAP FOUND

**HARDY ROAD**  
(LOCAL ROAD)

DEDICATED TO COUNTY FOR PURPOSE OF A DRIVEWAY

SEE ENLARGEMENT  
THE REQUIREMENTS 53-108, THE CODE OF MARYLAND, 1988 PER THE SETTING OF MARKERS HAS BEEN REGISTERED

DANIEL W. AND RUTH BOONE  
LIBER 434, FOLIO 766

F-97-84

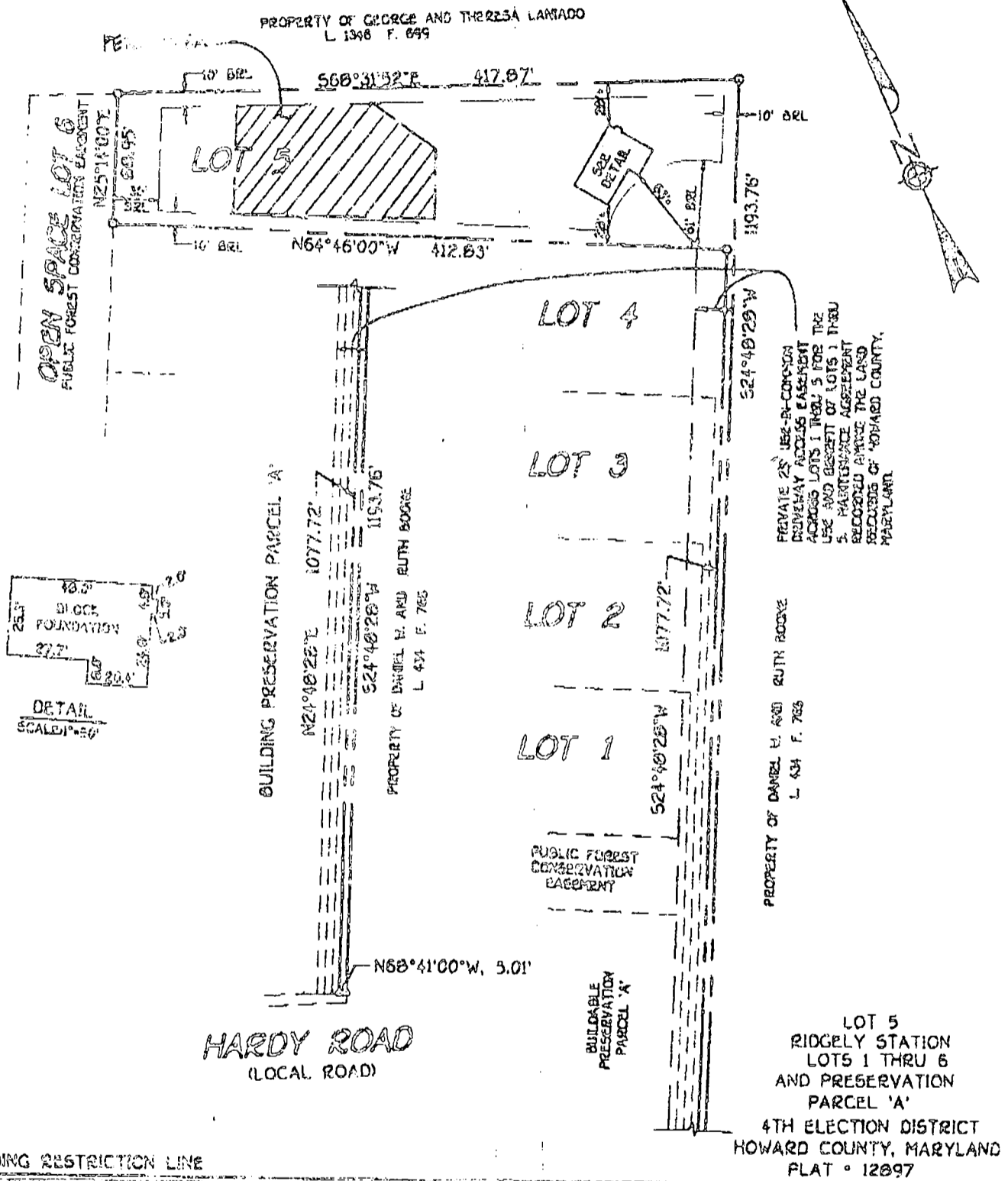
1290500 METERS  
1290500 METERS

BUILDING PRESERVATION

REGISTERED

### GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 2400440006 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (4).



BRL = BUILDING RESTRICTION LINE

LOT 5  
RIDGELY STATION  
LOTS 1 THRU 6  
AND PRESERVATION  
PARCEL 'A'  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLAT # 12097

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 SALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 481-2855



*Michael J. Fisher*  
PROFESSIONAL LAND SURVEYOR DATE 6/23/99  
REG. # 339

### HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 5/22/99  
FINAL LOCATION: \_\_\_\_\_  
BOUNDARY SURVEY: \_\_\_\_\_

SCALE: 1"=100'  
DATE: 6/23/99  
DRAWN BY: JAW  
CHECKED BY: MJB  
PROJECT No.: 21242

**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, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER \_\_\_\_\_ DATE \_\_\_\_\_

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

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE \_\_\_\_\_ DATE \_\_\_\_\_

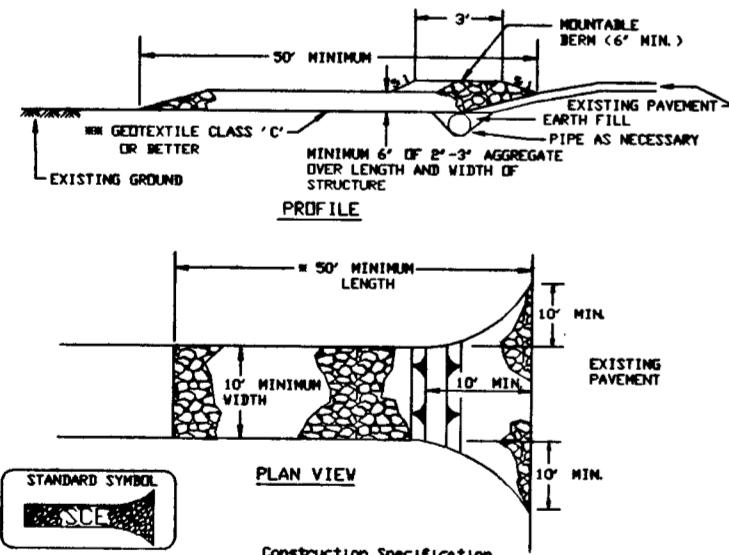
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. APPROVED:

HOWARD SOIL CONSERVATION DISTRICT \_\_\_\_\_ 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 (315-1899).
- 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: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 50) AND 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	1.107 ACRES
AREA DISTURBED	0.14 ACRES
AREA TO BE ROOFED OR PAVED	0.08 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.08 ACRES
TOTAL CUT	300 CU.YDS.
TOTAL FILL	300 CU.YDS.
- OFFICE WASTE/BORROW AREA LOCATION: CULYDS.
- 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.



- STABILIZED CONSTRUCTION ENTRANCE - 2**
- Length - minimum of 50' (±30' for single residence lot).
  - Width - 10' minimum, should be flared 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 single 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 be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a portable berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe shall be sized according to the drainage. When the SCE 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.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN (1 day)
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE (2 days)
- CONSTRUCT DWELLING ON SITE (90 days)
- 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./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./1000 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

**MULCHING**  
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1988 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.

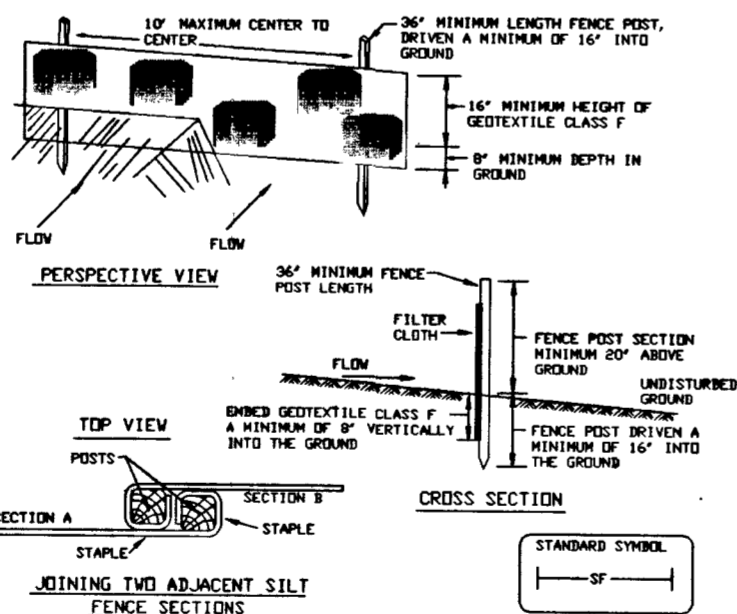
**SOIL AMENDMENTS**  
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA/FOSPH FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE (1.5 LBS./1000 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./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS, DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 29, 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 SOO, 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./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

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

FOR PUBLIC PONDS SUBSTITUTE CHEMUNG 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.



- JOINING TWO ADJACENT SILT FENCE SECTIONS**
- 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 1.00 pound per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft <sup>2</sup> /minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322
  - 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 bulges occur or when sediment accumulation reached 50% of the fabric height.

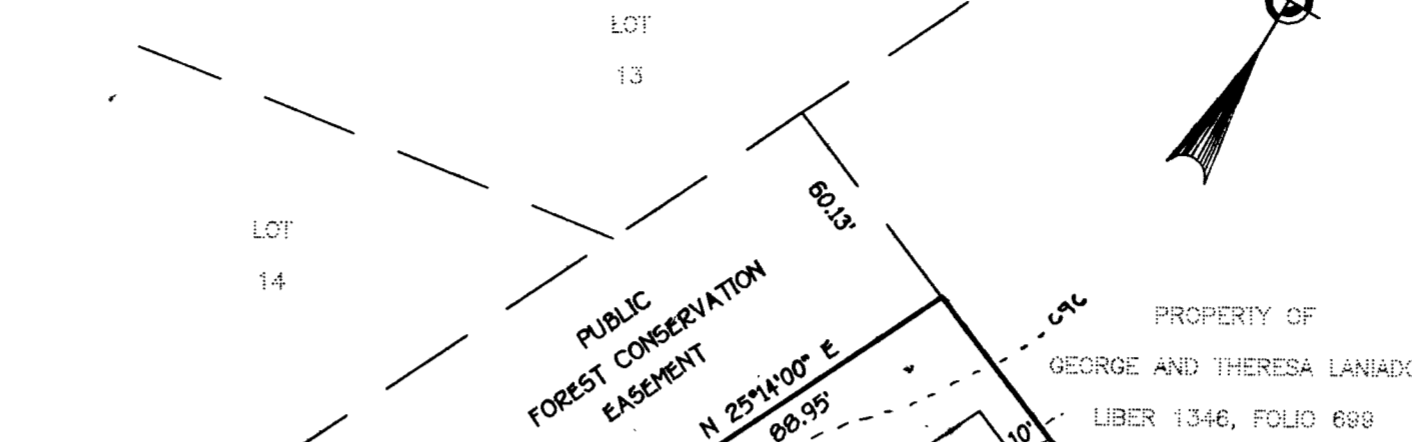
**SILT FENCE**  
NOT TO SCALE

**TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:**  
TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.

TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERNYUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

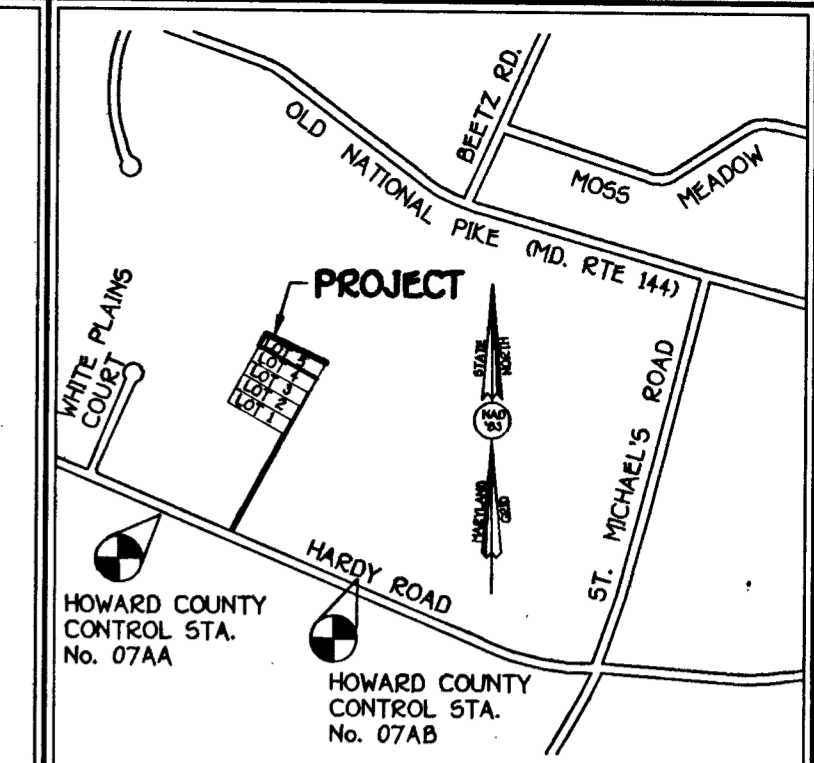
WHITEWOOD ESTATES  
PLAT No. 8245



Approved Septic System by  
Howard County Health Dept.  
Signature: [Signature]  
Date: 8/2/18

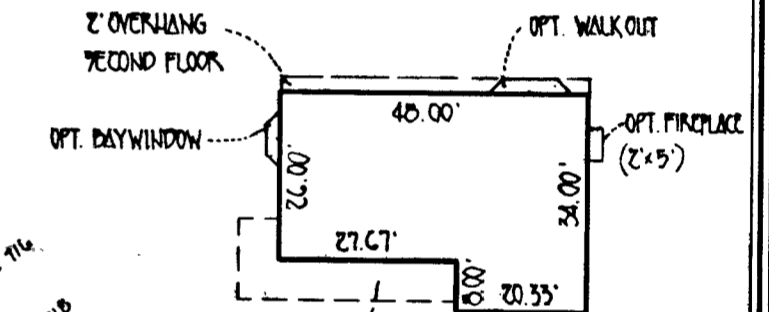
Total linear feet of trench required: 328 feet  
Width of trench(es): 3 feet  
Depth of trench(es): 2 feet  
Install 4" diameter pipe 2'

PRIVATE 25' USE-IN-COMMON DRIVEWAY ACCESS EASEMENT ACROSS LOTS 1 THRU 4 FOR THE USE AND BENEFIT OF LOTS 1 THRU 5. MAINTENANCE AGREEMENT RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.



**VICINITY MAP**  
SCALE: 1"=100'

- GENERAL NOTES**
- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
  - PROPOSED 1500 GALLON SEPTIC TANK:
    - FIRST FLOOR ELEVATION: 728.50
    - BASINMENT ELEVATION: 719.50
    - INVERT OF SEPTIC SYSTEM AT HOUSE: 716.5
    - INVERT IN AT SEPTIC TANK: 715.80
    - INVERT OUT AT SEPTIC TANK: 718.50
    - PROPOSED GRADE OVER SEPTIC TANK: 718.00
    - INVERT AT DISTRIBUTION BOX: 704.5
    - EXISTING GROUND OVER DISTRIBUTION BOX: 709.5
  - LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
  - CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.



**DETAIL**  
SCALE: 1" = 30'  
**PROPOSED RESIDENCE**  
MODEL 0322

PROPERTY OF DANIEL W. AND RUTH BOONE  
LIBER 434, FOLIO 766

**PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT RIDGELY STATION LOT 5**

TAX MAP: 7  
FOURTH ELECTION DISTRICT  
SCALE: 1" = 50'

ZONED: RC-DEO  
PARCEL: 9  
HOWARD COUNTY, MARYLAND  
DATE: MAY, 1998