

6/11/99
10:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-361059

P 511916

A 57671

DISTRICT _____

DATE 5/27/99

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 6/11/99

INSPECTOR *A*

INDEXED

Gartland Plumbing and Heating IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 1835 West Old Liberty Road, Westminster, MD 21157 PHONE 410-875-2400

SUBDIVISION The Woods at Country Springs LOT 1 ROAD 15028 Kenwood Court

PROPERTY OWNER Carrigan Domestic

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 45 feet off the 289.10' lot line and 60 feet off the 1083.91' lot line as seen when facing the lot from the pipestem. Run trenches along contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *2/24/99 OK AM*

PLANS APPROVED BY Donna K. Soe DATE 3-16-1999

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

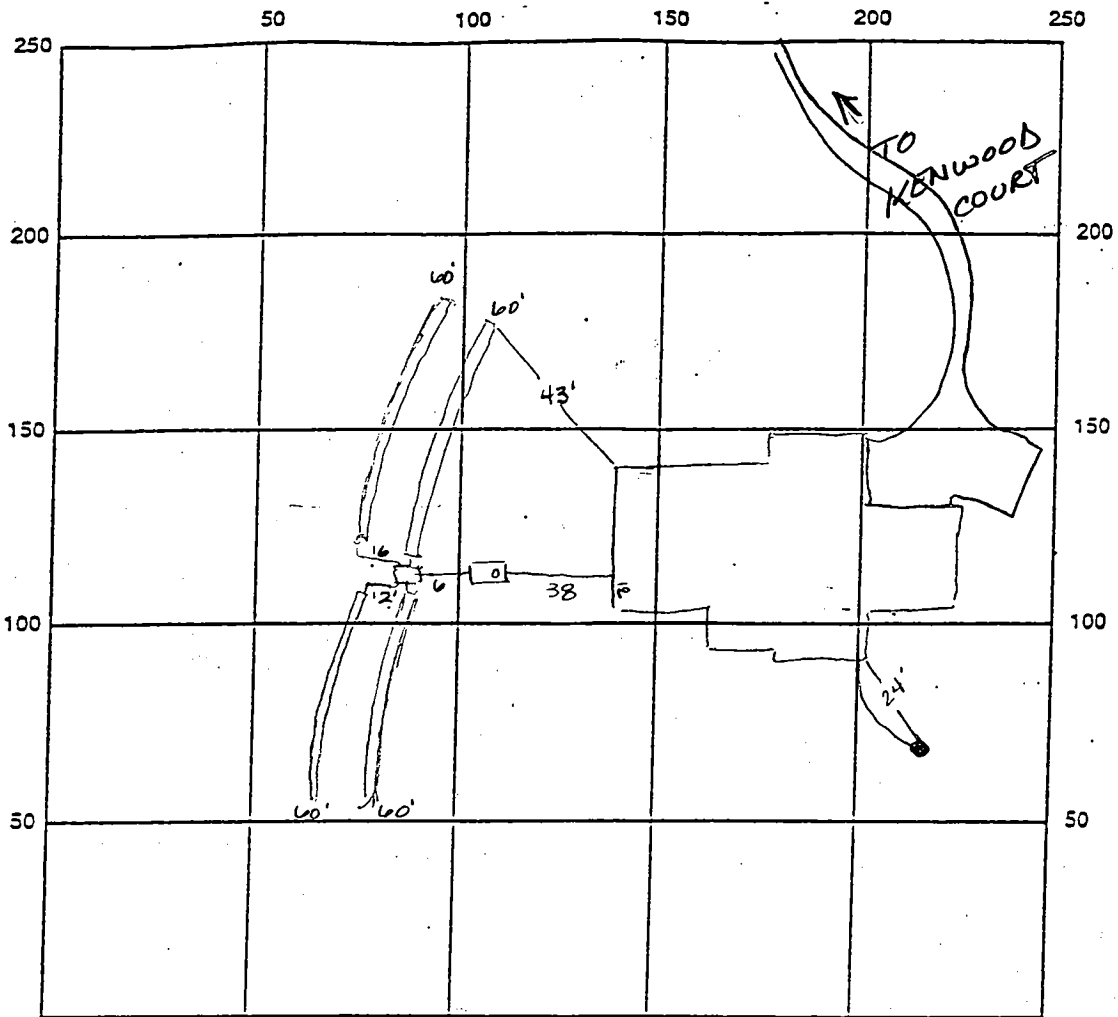
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

A57671



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 4.0 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2/11/99 OK to cover all work - ~~AT~~

DATE SYSTEM APPROVED 6/11/99 INSPECTOR J. McMillan

APPLICATION

PERCOLATION TESTING

A 57671

P _____

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

DISTRICT FOURTH

DATE FEBRUARY 5, 1997

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 CARRIGAN DOMESTIC

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER JAMES H. SELFRIDGE BUILDERS INC.

ADDRESS 14045 GARCO DRIVE GLENWOOD MARYLAND 21738 PHONE 992-8282

PROPERTY LOCATION:

SUBDIVISION COUNTRY SPRINGS LOT NO. 46

ROAD AND DESCRIPTION SOUTH SIDE OF KENWOOD COURT ADJACENT TO THE CULDESAC
(15028 Kenwood Court)

TAX MAP 14 PARCEL # 12

SIZE OF LOT 60,000 SQ. FT. TYPE BLDG. SINGLE FAMILY DWELLING - 4 BRN
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT # _____
AND RETURNED 3-16-99
Serial # BTD 116302

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.

Celja
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

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

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

THIS IS NOT A PERMIT

A 57671
COUNTY #

SOIL PROFILE
1911 1908

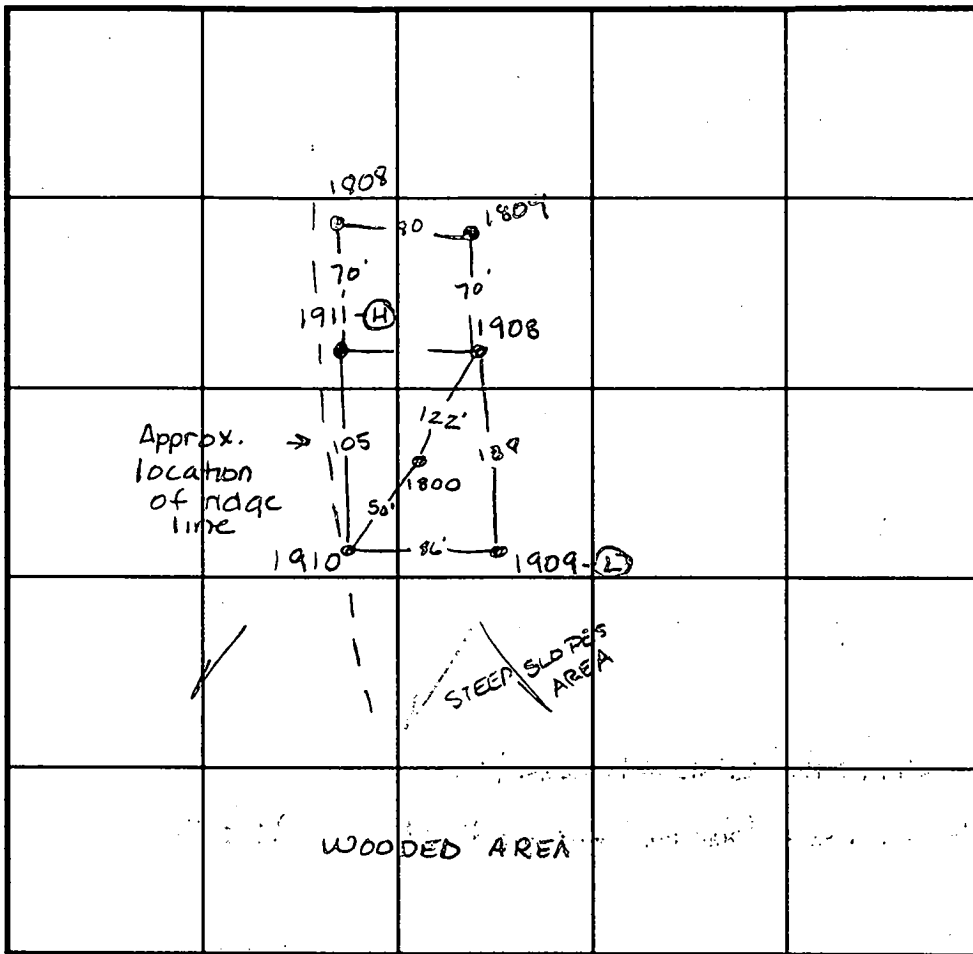
0' red SiCLM
4.0 bright red SiLM
6.0 yellow and red mix SiSalm 5-10% decayed rock frags
12.0

1800

orange red SiCLM
4.0 orange SiLM 10% rx frags
7.0 1gt grey to beige Salm 25% rock frags
12.0

1910 1808

4.0 dark red SiCLM
yellow and red mixed SiLM strong sub & block structure 20% grey sandstone rock
12.0



SOIL PROFILE
1909

0' brown red SiCLM
3.5 brown red SiSalm 15% rock frags (last bucket had 30-40% rx frags)
11.0 1809 bright red SiCLM
3.0 1gt or red SiSalm 20% rock
12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-24-97	1911	Visual to 12.0	-		see profile		OK
	1908	4.5 VII.5	1:20	1:23 ³⁰	1:23 ³⁰	1:35	11min
	1908	8.0 VII.5	1:18	1:21	1:21	1:26	5min
	1809	3.5 VI20	2:42	2:47	2:47	2:55	8min
	1910	4.5 VI20	1:10	1:21	1:21	1:37	6min
	1909	4.0 VII.0	1:04	1:07	1:07	1:17	10min

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY Amy McMillen ALSO PRESENT Chuck Crovo
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

WILLIAM L. ALLEN &
ROSE F. ALLEN
LIBER No. 573, FOLIO 204

ChBZ

GIDZ

GICZ

100 YEAR FLOOD PLAN
DRAINAGE & UTILITY
EASEMENT

520G

PROP. TWIN GG
CONVERTS
53 L.F.

BUILDABLE
PRESERVATION
PARCEL 'A'

WETLAND AREA

Ha

WETLAND
BUFFER

LOT 46
50,000 sq ft

LOT 49
60,000 sq ft
PRESERVE 15,000 sq ft
TOTAL AREA 135,000 sq ft

LOT 48
47,800 sq ft
PRESERVE 12,800 sq ft
TOTAL AREA 119,000 sq ft

LOT 50

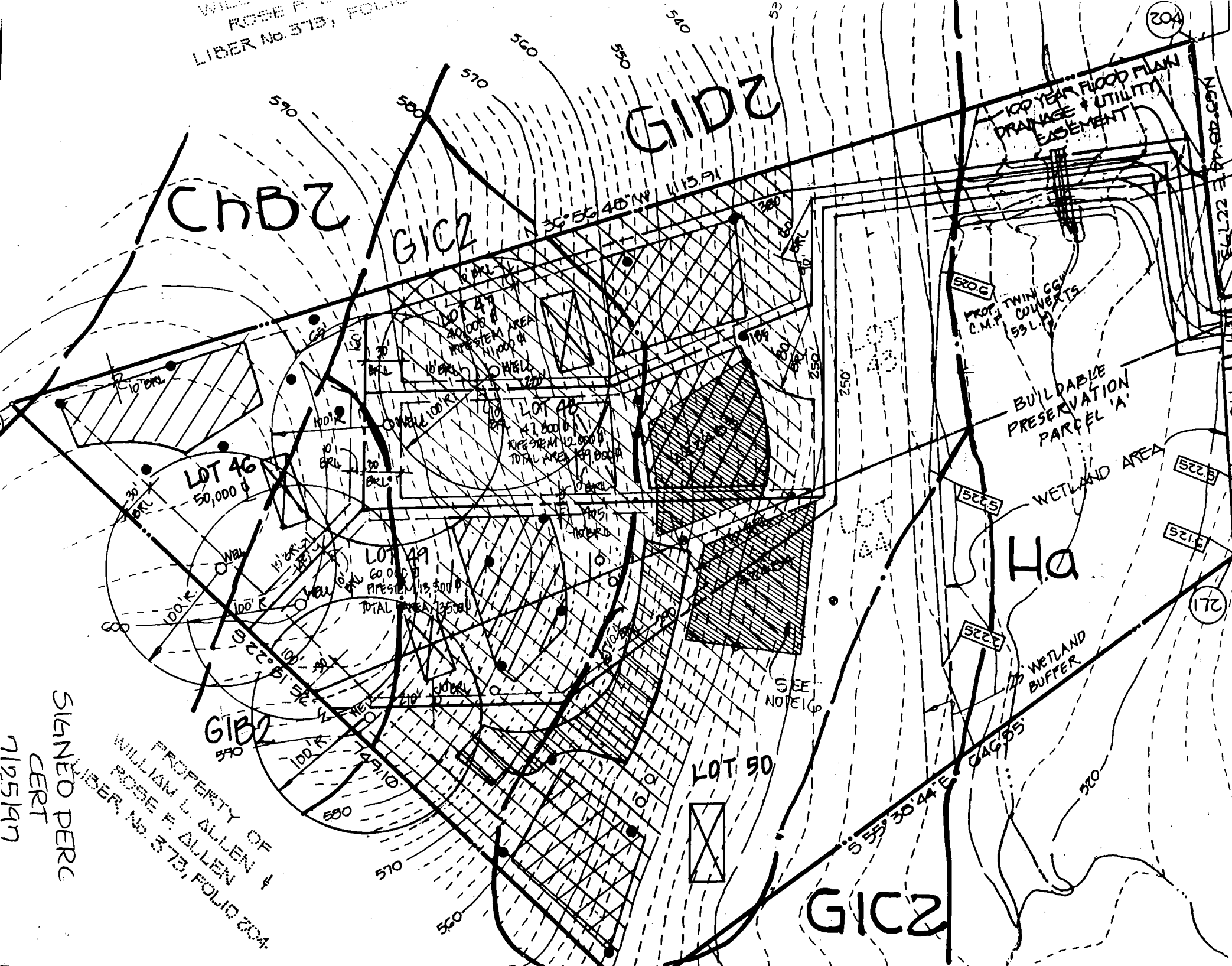
SEE
NOTE 16

GICZ

SIGNED PERC
CERT
7/25/17

PROPERTY OF
WILLIAM L. ALLEN &
ROSE F. ALLEN
LIBER. No. 573, FOLIO 204

7/25/17

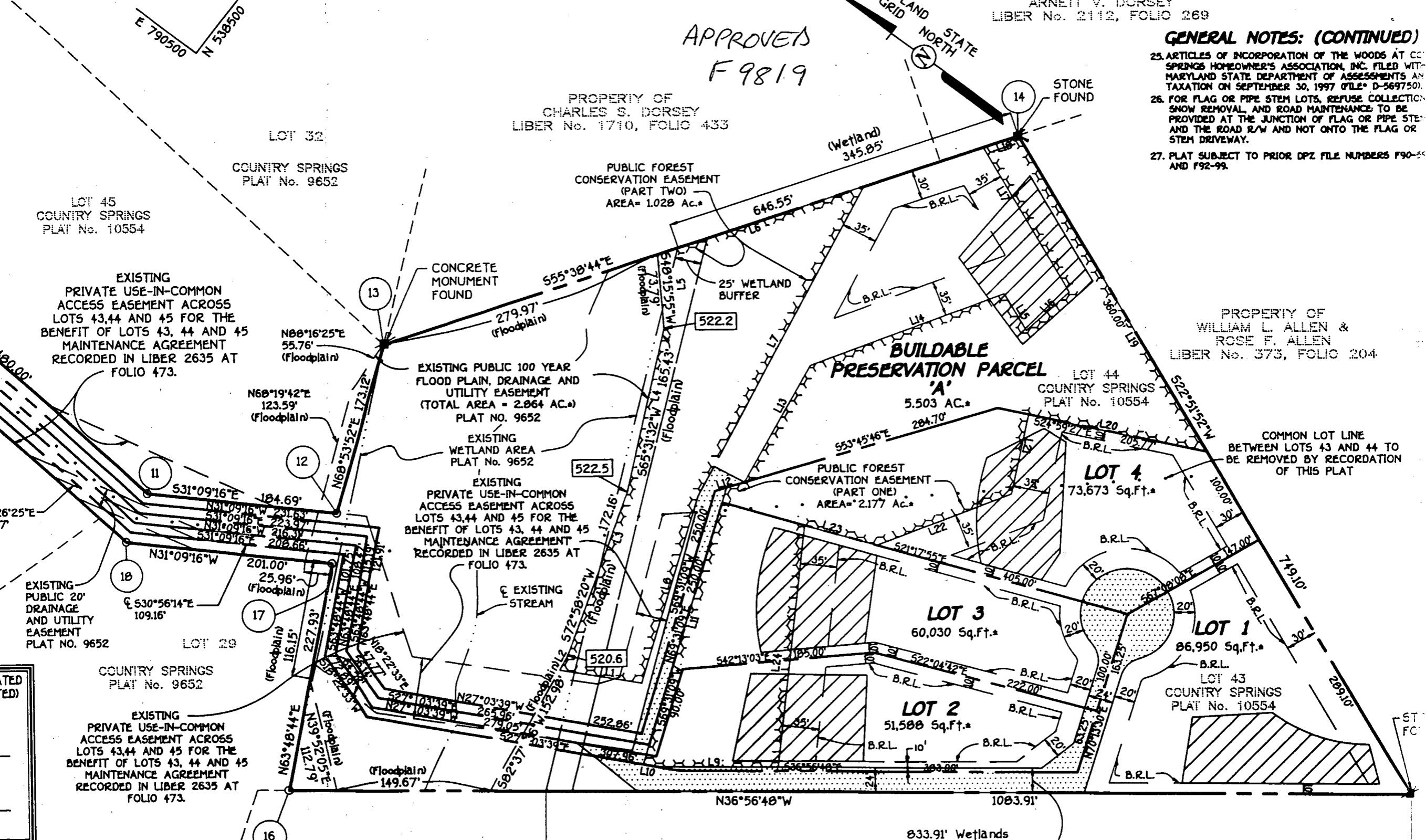


APPROVED
F 9819

PROPERTY OF
CHARLES S. DORSEY
LIBER No. 1710, FOLIO 433

GENERAL NOTES: (CONTINUED)

- 25. ARTICLES OF INCORPORATION OF THE WOODS AT COUNTRY SPRINGS HOMEOWNER'S ASSOCIATION, INC. FILED WITH MARYLAND STATE DEPARTMENT OF ASSESSMENTS AND TAXATION ON SEPTEMBER 30, 1997 (FILE# D-569750).
- 26. FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL, AND ROAD MAINTENANCE TO BE PROVIDED AT THE JUNCTION OF FLAG OR PIPE STEM AND THE ROAD R/W AND NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.
- 27. PLAT SUBJECT TO PRIOR DPZ FILE NUMBERS F90-20 AND F92-99.



LOT 45
COUNTRY SPRINGS
PLAT No. 10554

LOT 32
COUNTRY SPRINGS
PLAT No. 9652

EXISTING
PRIVATE USE-IN-COMMON
ACCESS EASEMENT ACROSS
LOTS 43, 44 AND 45 FOR THE
BENEFIT OF LOTS 43, 44 AND 45
MAINTENANCE AGREEMENT
RECORDED IN LIBER 2635 AT
FOLIO 473.

EXISTING
PUBLIC 20'
DRAINAGE
AND UTILITY
EASEMENT
PLAT NO. 9652

LOT 29
COUNTRY SPRINGS
PLAT No. 9652

EXISTING
PRIVATE USE-IN-COMMON
ACCESS EASEMENT ACROSS
LOTS 43, 44 AND 45 FOR THE
BENEFIT OF LOTS 43, 44 AND 45
MAINTENANCE AGREEMENT
RECORDED IN LIBER 2635 AT
FOLIO 473.

EXISTING PUBLIC 100 YEAR
FLOOD PLAIN, DRAINAGE AND
UTILITY EASEMENT
(TOTAL AREA = 2.064 AC.)
PLAT NO. 9652

EXISTING
WETLAND AREA
PLAT No. 9652

EXISTING
PRIVATE USE-IN-COMMON
ACCESS EASEMENT ACROSS
LOTS 43, 44 AND 45 FOR THE
BENEFIT OF LOTS 43, 44 AND 45
MAINTENANCE AGREEMENT
RECORDED IN LIBER 2635 AT
FOLIO 473.

EXISTING
STREAM

PUBLIC FOREST
CONSERVATION EASEMENT
(PART TWO)
AREA = 1.028 AC.

(Wetland)
345.85'

25' WETLAND
BUFFER

**BUILDABLE
PRESERVATION PARCEL
'A'**
5.503 AC.

PUBLIC FOREST
CONSERVATION EASEMENT
(PART ONE)
AREA = 2.177 AC.

LOT 44
COUNTRY SPRINGS
PLAT No. 10554

LOT 4
73,673 Sq.Ft.

COMMON LOT LINE
BETWEEN LOTS 43 AND 44 TO
BE REMOVED BY RECORDATION
OF THIS PLAT

LOT 3
60,030 Sq.Ft.

LOT 1
86,950 Sq.Ft.

LOT 2
51,500 Sq.Ft.

LOT 43
COUNTRY SPRINGS
PLAT No. 10554

833.91' Wetlands

ST
FC

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 J. Jos. GANTLAND, Inc.

Telephone 410-875-2400

License Number 1713

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner Carrigan Homes

Telephone 410-875-2400

Subdivision Belwood Pt Country Lot # 1

Well Tag # _____

Site Address 15028 Kenwood CT.

Pump

- Type
 - Deep well jet _____
 - Shallow well jet _____
 - Submersible
- Make Goolds
- Model # 7SP4C02FW
- Capacity 7 GPM
- Pump exceeds well capacity Yes _____ No
- If Yes, is low pressure cutoff switch installed? Yes _____ No _____
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other _____

Motor

- Horsepower 1/2
- RPM _____
- Voltage _____
 - 110 _____
 - 220

Pitless Adapter

- Make Havard
- Model # PT800
- Depth 42"

Tank

- Capacity 42gal
- Pressure relief valve? 75psi

Piping

- Type PLASTIC
- Size 1"
- NSF and/or BOCA Code approved YES
- Depth of supply line 42"

Well data

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

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: 5/28/99

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

HD-215

6/11/99
 WPI 40'
 below grade
 PVC
 conduit
 2 pks
 cap
 OK

House
 built less
 than 30'
 from the
 well - 24'
 Because no health
 impact &
 builder not
 responsible
 for this occurring
 at this location
 wrong location drilled in
 action taken on the
 '30' to set back requirement

Signature of Applicant: _____

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 DAY)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 DAYS)
4. CONSTRUCT DWELLING ON SITE. (90 DAYS)
5. 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 (07 LBS./1000SQ.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 SOD.

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 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, 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.

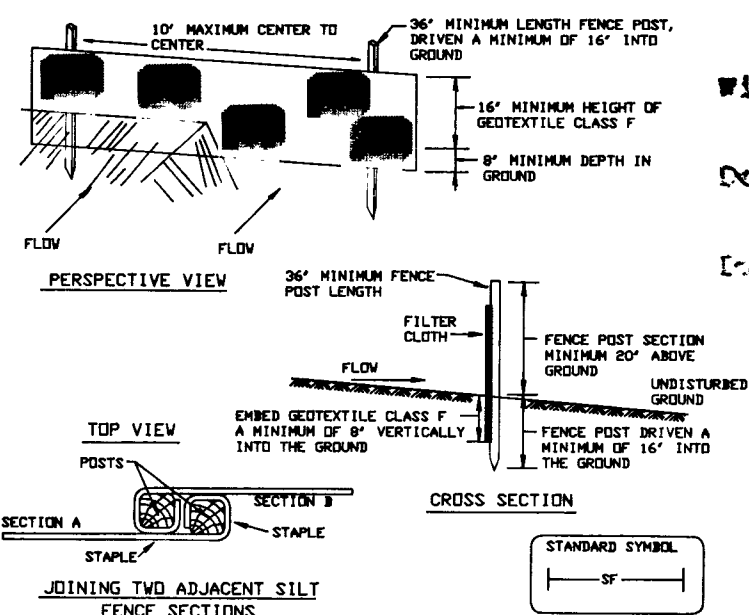
SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 0.15 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 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) 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 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 SOD; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING:
APPLY 1 1/2 TO 2 TONS PER ACRE (90 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 ACRES, 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 CHELMING 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.



- Construction Specifications**
1. 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.
 2. 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:

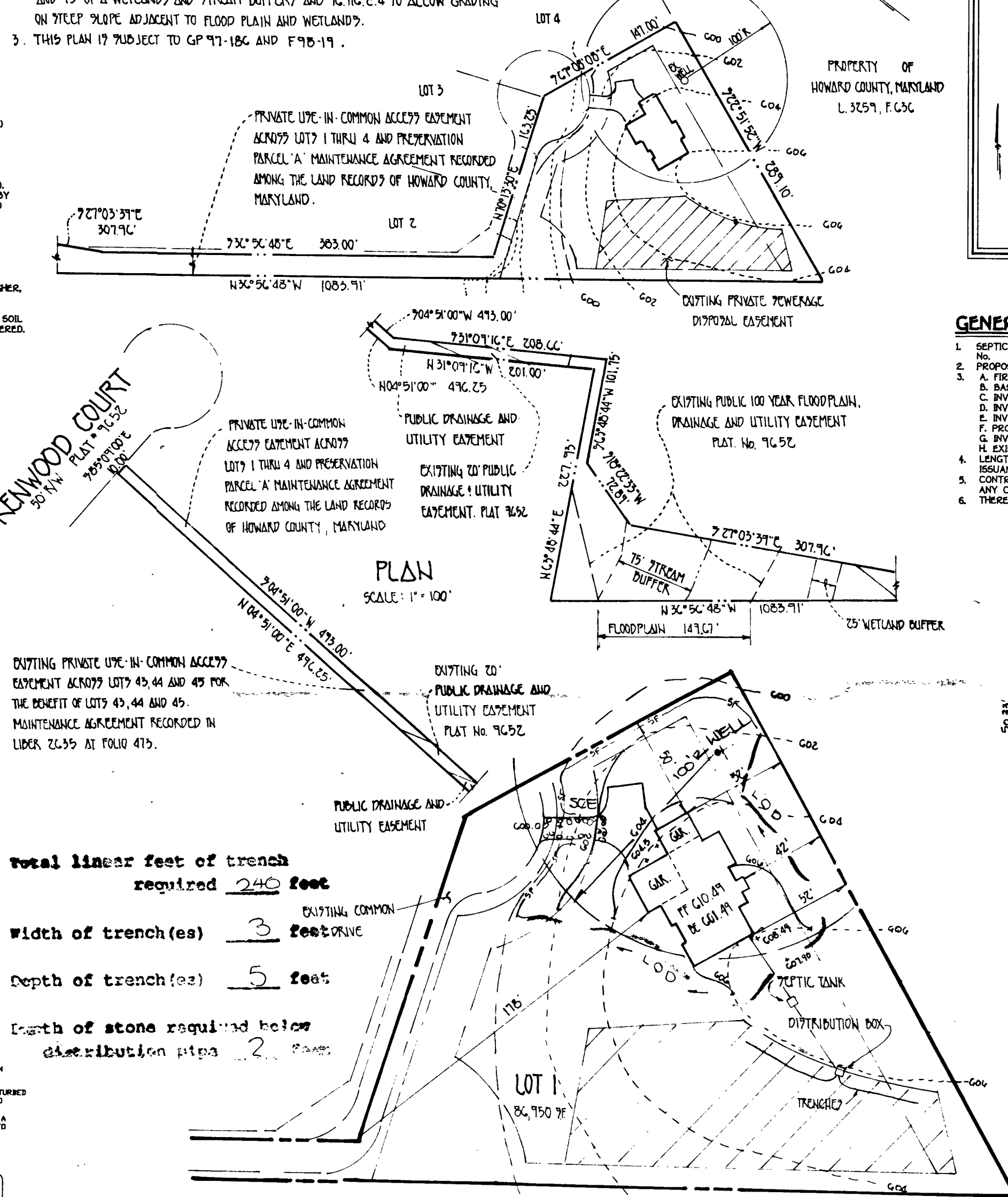
Tensile Strength	30 lbs/in (min.)	Test: NSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: NSMT 509
Flow Rate	0.3 gal pt ² /minute (max.)	Test: NSMT 322
Filtering Efficiency	75% (min.)	Test: NSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. 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

NOTE:

1. THIS PLAN IS SUBJECT TO PERMITS WHICH HAVE BEEN APPROVED BY US CORPS OF ENGINEERS PERMIT 87-009390-3 WATER QUALITY PERMIT 87-WQ-0396.
2. THIS PLAN IS SUBJECT TO WP 97-110, SECTION 16.11C.C.C TO ALLOW GRADING WITHIN THE 100 YEAR FLOODPLAIN; 16.11C.C.C TO ALLOW GRADING WITHIN 25 FEET AND 75' OF A WETLANDS AND STREAM BUFFERS AND 16.11C.C.4 TO ALLOW GRADING ON STEEP SLOPE ADJACENT TO FLOOD PLAIN AND WETLANDS.
3. THIS PLAN IS SUBJECT TO GP 97-186 AND F 98-19.



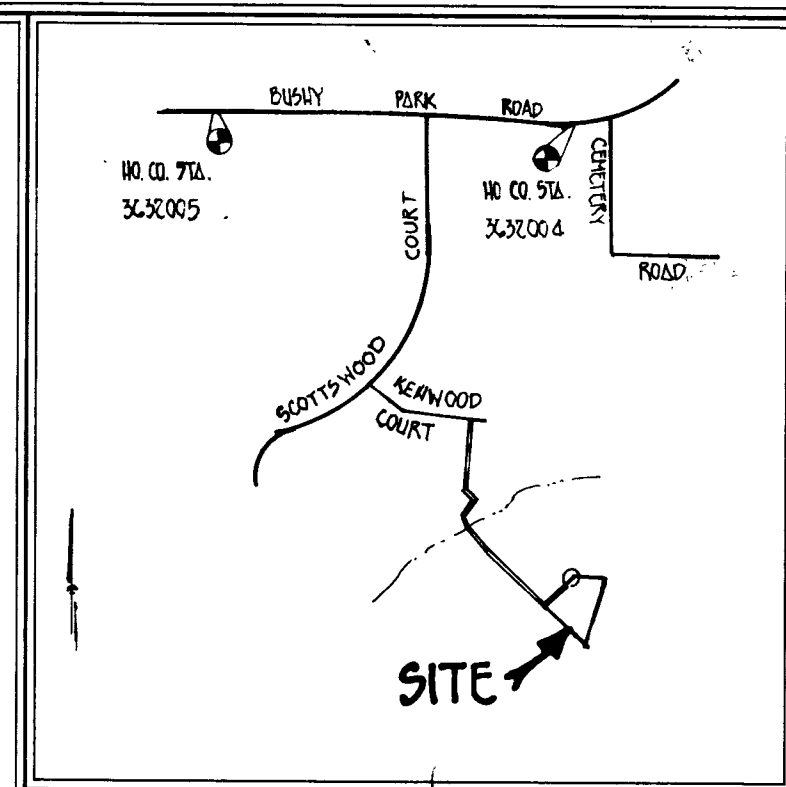
PLAN
SCALE: 1" = 50'

Total linear feet of trench required 240 feet
Width of trench(es) 3 feet
Depth of trench(es) 5 feet
Length of stone required below distribution pipe 2 feet

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 BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

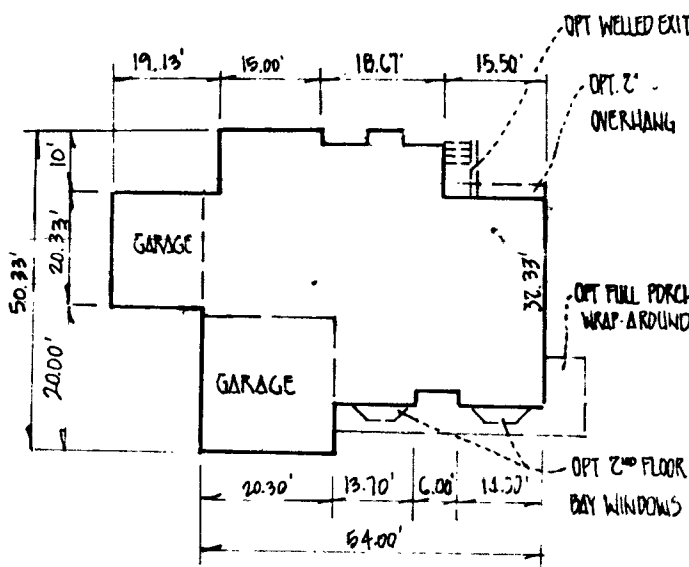
WHERE THE TOPSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIME SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES

1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK
 - A. FIRST FLOOR ELEVATION: G10.49
 - B. BASEMENT ELEVATION: G01.49
 - C. INVERT OF SEPTIC SYSTEM AT HOUSE: G04.40
 - D. INVERT IN AT SEPTIC TANK: G03.9
 - E. INVERT OUT AT SEPTIC TANK: G03.6
 - F. PROPOSED GRADE OVER SEPTIC TANK: G04.5
 - G. INVERT AT DISTRIBUTION BOX: G02.8
 - H. EXISTING GROUND OVER DISTRIBUTION BOX: G05.8
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.



PATUXENT
Approved Septic System Plan
Howard County Health Department

Signature: *[Signature]* Date: 3/16/98

PLAN TO ACCOMPANY APPLICATION FOR BUILDING PERMIT THE WOODS AT COUNTRY SPRINGS LOT 1

TAX MAP 14 FOURTH ELECTION DIST. SCALE: AS SHOWN
P/O PARCEL 240. HOWARD COUNTY, MARYLAND DATE: FEBRUARY 26, 1998

C-5815 CP. 98-126

B 1 1989 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER HO-94-1285 fill in this form completely

083099 Date Received (APA) OWNER INFORMATION Kelly Owen Joseph 9812 CAITLIN'S CT. ELLICOTT City MD. 21042

B 3 LOCATION OF WELL Howard County Country Springs COOKSVILLE MILES FROM TOWN 2

DRILLER INFORMATION Ralph MAYWE MSD 16 RALPH MAYWE well DRILLING 9120 Brown Church Rd. Mt Airy

B 4 Kewwood Ct. NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 1100

B 2 WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard Co A42483

APPROXIMATE DEPTH OF WELL 400 FEET APPROXIMATE DIAMETER OF WELL 64 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1 well

METHOD OF DRILLING (circle one) AIR-ROTary

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL DEEPEM AN EXISTING WELL

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

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER GAP PERMIT No HO-94-1286

C1 09464 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.

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

COUNTY NUMBER A57671

DATE RECEIVED

DATE WELL COMPLETED 18 2 97

DEPTH OF WELL 265 (TO NEAREST FOOT)

OK MR 10/28/97

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1285

OWNER Selfridge Builders STREET OR RFD Kenwood Ct TOWN Cooksville SUBDIVISION Country Springs SECTION LOT 461

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (CM, BC) NO. OF BAGS 9 NO. OF POUNDS 900 GALLONS OF WATER 54 DEPTH OF GROUT SEAL 30

CASING RECORD

MAIN CASING TYPE PL Nominal diameter 6 Total depth 38

OTHER CASING (if used) diameter depth (feet)

SCREEN RECORD

screen type or open hole (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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. MSD116 SIGNATURE

LIC. NO. MSD112 SIGNATURE

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

C2 DEPTH (nearest ft.)

Table with columns: E, C, S, R, E, N and rows for depth measurements (8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51)

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

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

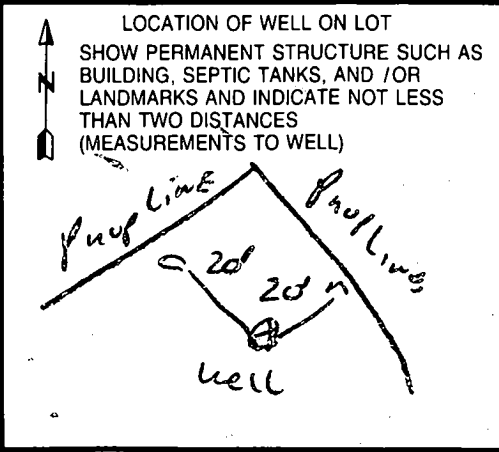
TELESCOPE CASING LOG INDICATOR OTHER DATA

C3 PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4.9 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 57 WHEN PUMPING 75 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES/NO) 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 CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE 2 (nearest foot)



W-58149 8/29/97

B 1 **8777** SEQUENCE NO. (MDE USE ONLY)

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

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER
HO-94-1285
fill in this form completely

Date Received (APA) **082997**

OWNER INFORMATION

SELEBRIDGE BUILDERS

15 Last Name 21 Owner 27 First Name 34

14045 GARDEN DR

36 Street or RFD 55

GLENWOOD AD21738

57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

HOWARD COUNTY

COUNTY SPRINGS SUBDIVISION

SECTION: LOT **46**

COOKSVILLE NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **2** MI

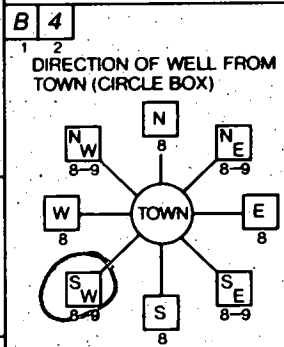
DRILLER INFORMATION CIRCLE: MSD MGD MWD

Ralph MAYKE 116 License No.

Ralph MAYKE (well Drilling) Firm Name

9120 Brown Church Rd Mt Airy Address

Ralph Mayke Signature **8/29/97** Date



Kenwood Ct. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

WEST EAST

NORTH SOUTH

DISTANCE FROM ROAD **1200** ENTER FT OR MI **FT**

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard Co. COUNTY NAME **A57671** COUNTY NO.

STATE SIGNATURE _____ DATE ISSUED **092397**

A M Miller CO SIGNATURE **9/23/98** EXP. DATE

NORTH GRID **090000** EAST GRID **230000**

APPROXIMATE DEPTH OF WELL **150** FEET

APPROXIMATE DIAMETER OF WELL **6"** NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) **AIR-ROtary** **AIR-PERcussion** **ROTARY** (Hydraulic Rotary)

CABLE **REVerse-ROtary** **DRive-POINT**

other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

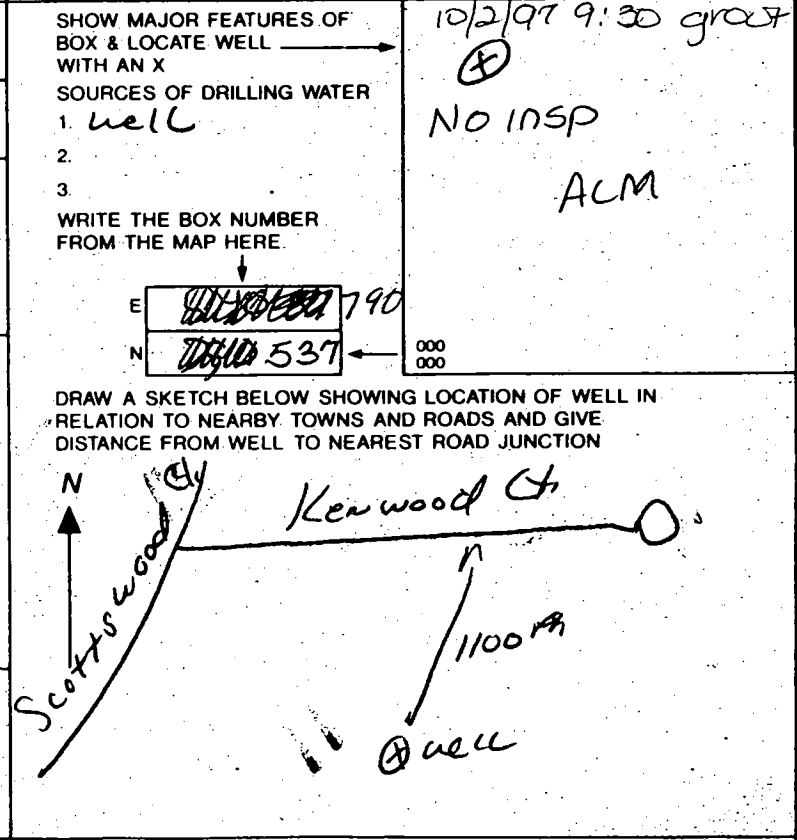
D THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER **GAP**

FORCE **AM** WRITE INSTALS IN BOX PERMIT No. **HO-94-1285**



PROPERTY OF
WILLIAM L. ALLEN &
ROSE F. ALLEN
LIBER AB 373, FOLIO 204

1537.500

PROPOSED
16' USE-IN-COMM
DRIVEWAY

ChBZ

G1DZ

G1CZ

LIMITS OF
DISTURBANCE...

180

LOT 46
50,000
L.O.D.

LOT 49
50,000
L.O.D.

P2

G1BZ

SEE
NOTE K

BUILDABLE
PRESERVATION
PARCEL 'A'

PROPERTY OF
WILLIAM L. ALLEN &
ROSE F. ALLEN
LIBER AB 373, FOLIO 204

9/23/97
Well site
or as
staked
All

FOREST
CONSERVATION
AREA

G

180

