4/13/00 C.O. RWPI

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-362853

P 513309

A 57610-N

DISTRICT

DATE 3/9/2000

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
XXXXXXX 410-313-2640

INDEXED

DATE SYSTEM APPROVED 4/13/00

INSPECTOR S.R.K.

J. E. Feaga & Son Excavating IS PERMITTED TO INSTALL X ALTER

ADDRESS 1625 Henryton Road, Marriottsville, MD 21104 PHONE 410-442-5623

SUBDIVISION Spring Hollow LOT 13 ROAD 17100 Spring Hollow Court

PROPERTY OWNER Dan & Karen Ellis

ADDRESS

TOP SEAMED TANK REQUIRED

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 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Begin trenches 200 feet up the left lot line and 10 feet off that same lot line as seen when facing the lot from Spring Hollow Court. Run trenches on contour toward Hardy Road.

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

OK 3/2/00

PLANS APROVED BY Amy McMillen DATE 11-24-1999

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)

BLDG. PERMIT SIGNED AND RETURNED 12/15/99

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

B00121774 Garage

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

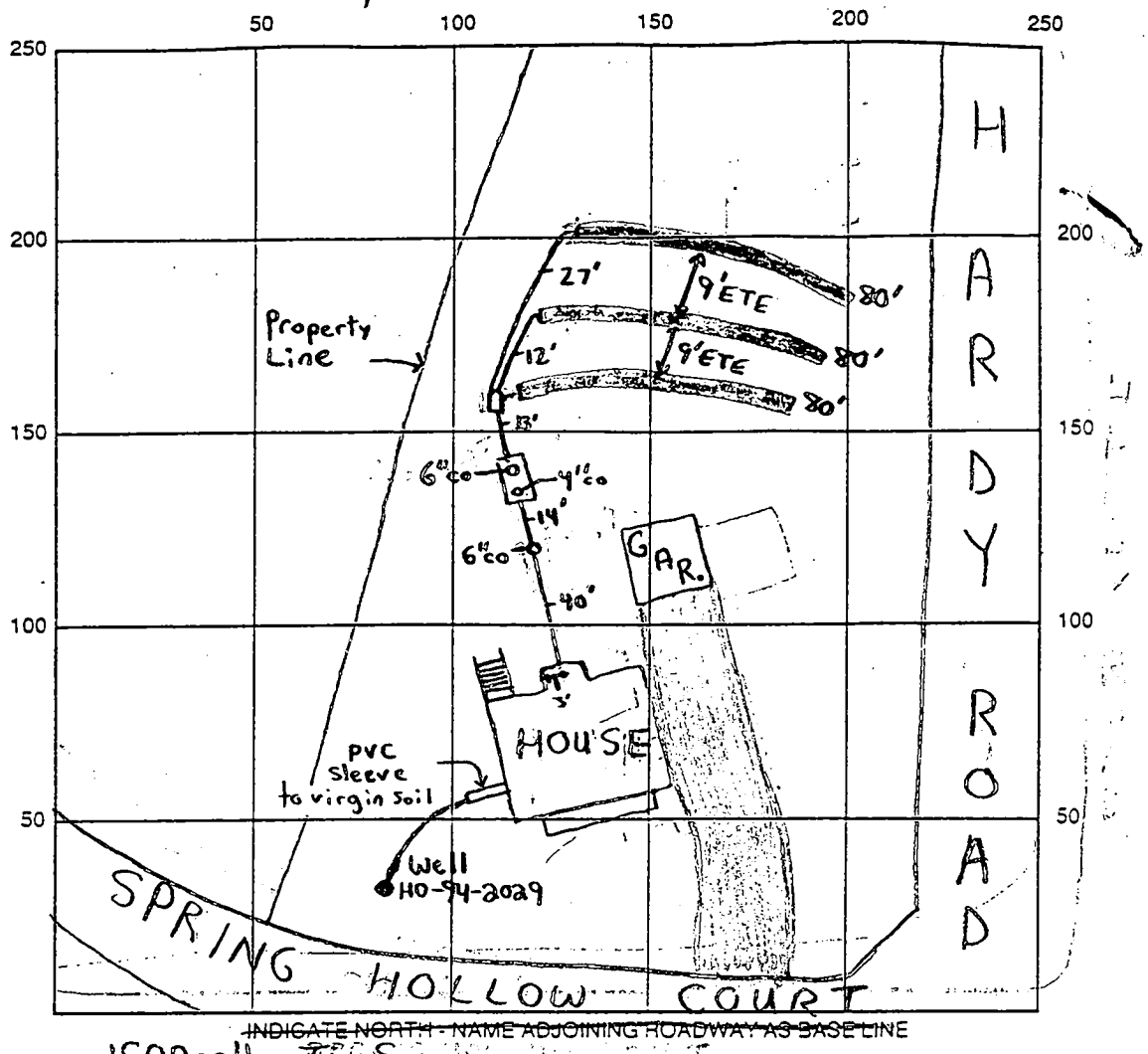
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

HD-260(6-90)

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

A 57610N

NOT TO SCALE



~~INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE~~

SEPTIC TANK LEVEL 1500 gallon Top Seam ✓ Baffles front & Rear CLEANOUTS 6" in line, 4" front of tank, 6" center of tank

DISTRIBUTION BOX LEVEL ✓ Baffle is in

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ~~ONE SIDEWALL~~/BOTTOM AREA 720 SQ. FT.

DRYWELL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.

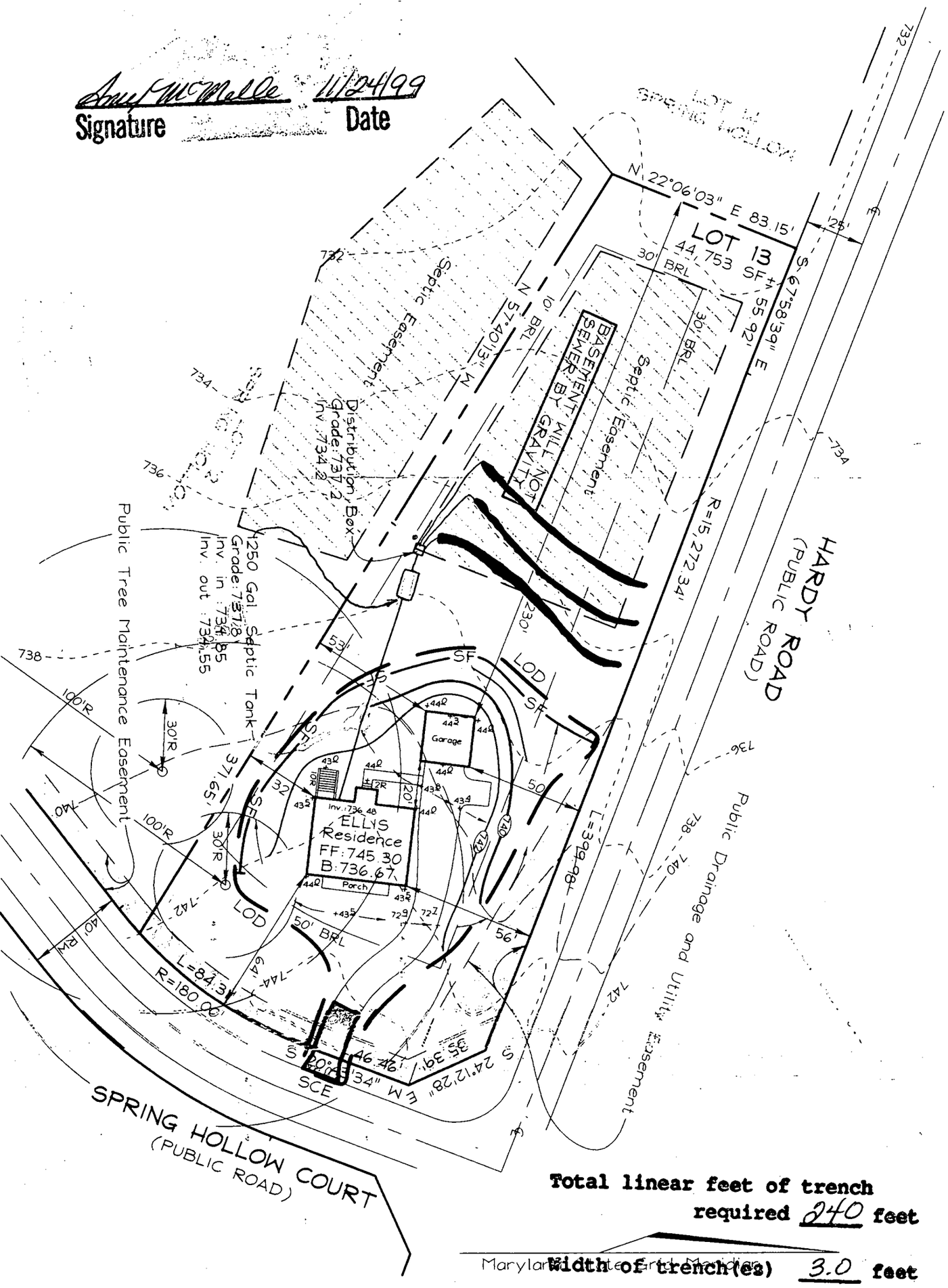
ABSORBENT AREA N/A SQ. FT.

REMARKS: 4/13/00 - OK TO COVER ALL WORK - (SRK)

DATE SYSTEM APPROVED 4/13/00 INSPECTOR Steven R. Krieg

Approved Septic System Plan
Howard County Health Department

Signature 11/24/99 Date



Total linear feet of trench required 240 **feet**

Maryland Department of Health and Mental Hygiene

Width of trench(es) 3.0 **feet**

Depth of trench(es) 5.0 **feet**

Depth of stone required below distribution pipe 2.0 **feet**

Spring Hollow
Vogel & Assoc.
461 5828

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P O BOX 476 ELLICOTT CITY MARYLAND 21043
TELEPHONE 461-9933

DISTRICT _____

DATE _____

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 ~~Lambert Cissel~~ Dan + Karen Ellis

ADDRESS 3425 Hipsley Mill Road, Woodbine, MD 21797 PHONE (410) 442-5671

PROSPECTIVE BUYER Developer, Land Marketing Consultants, Inc., Timothy W. Feaga

ADDRESS 3243 Bethany Lane, Ellicott City, MD 21042 PHONE (410) 313-8808

PROPERTY LOCATION:

SUBDIVISION Cissel Property LOT NO 13

ROAD AND DESCRIPTION Intersection of Hardy & St. Michael's Road
(17100 Spring Hollow Court)

BLDG. PERMIT SIGNED AND RETURNED 11-24-99
Serial # B 121447

TAX MAP 7 PARCEL # 394, 4, 341, 144

SIZE OF LOT 1 Acre TYPE BLDG SFD - 4 Bdrm
(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. Willis Lambert Cissel JTR
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0'

471

orange red silt loam 15% shale

2.0

lgt yellow pink silt loam 20% shale

11.0

30% shale

11.5

598

orange red silt loam 10% shale

2.0

lgt orange pink silt loam micaceous 20% shale refusal at 10.5

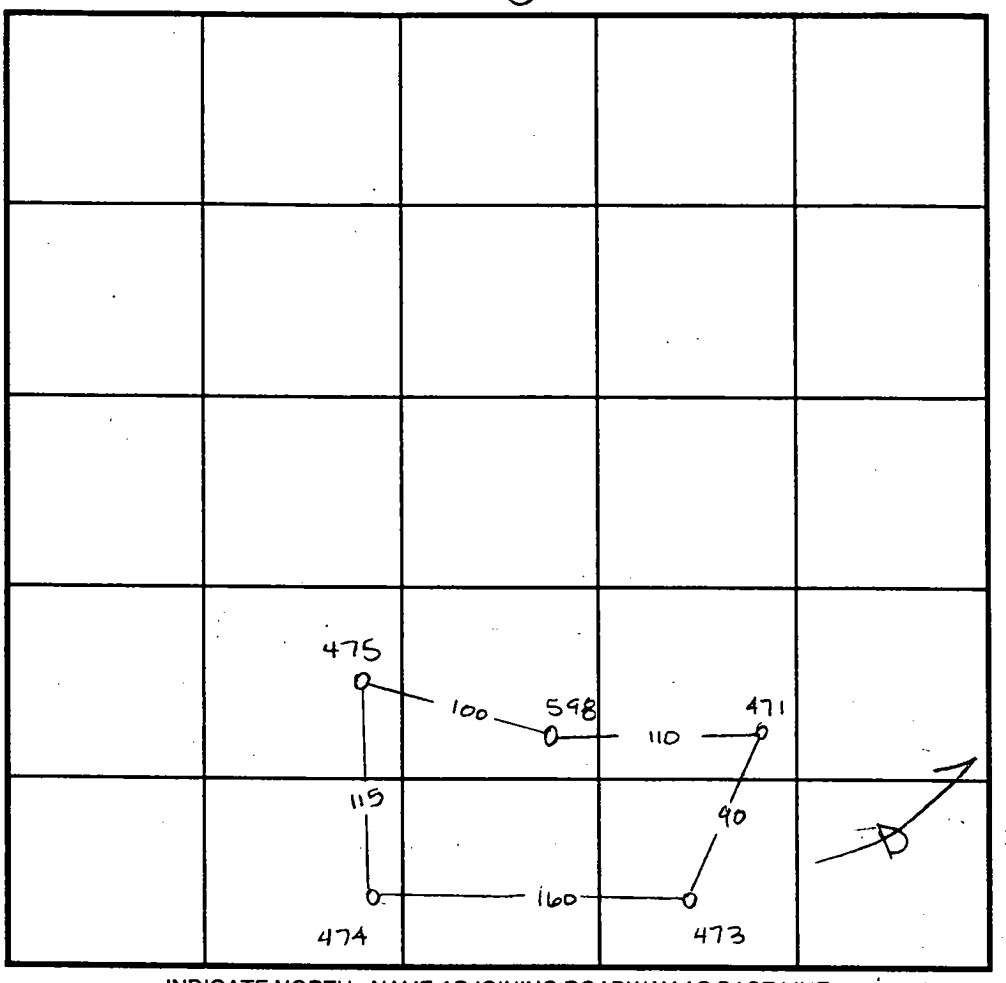
473

dark orange silt loam

2.5

lgt pink tan silt loam micaceous 100% saprolite

12.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Handy Road

SOIL PROFILE

0'

475 474

orange brown silt loam

2.0

40% shale saprolite tan orange silt loam

11.0

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
8-20-96	471	3.5 / V11.5	10:01	10:01 30	10:01 30	10:02 30	1min
	598	3.5 / V10.5	10:56	10:56 30	10:56 30	10:57 45	1¼min
	475	2.5 / V11.0	11:38 30	11:40	11:40	11:42	2min
	474	3.0 / V12.0	12:01	12:04	12:04	12:10	6min
	473	3.0 / V12.0	11:14	11:19 30	11:19 30	11:28 30	9min

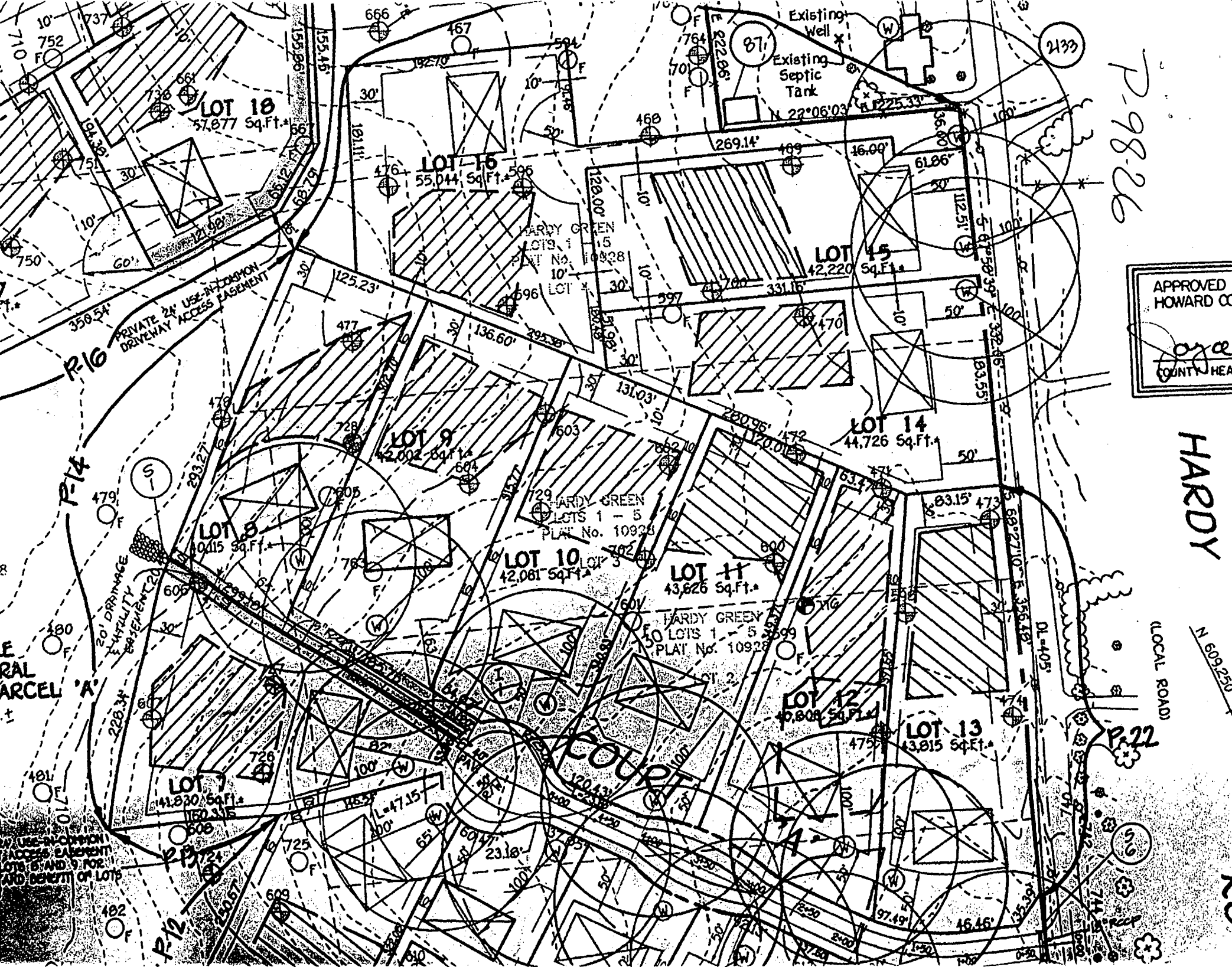
REMARKS

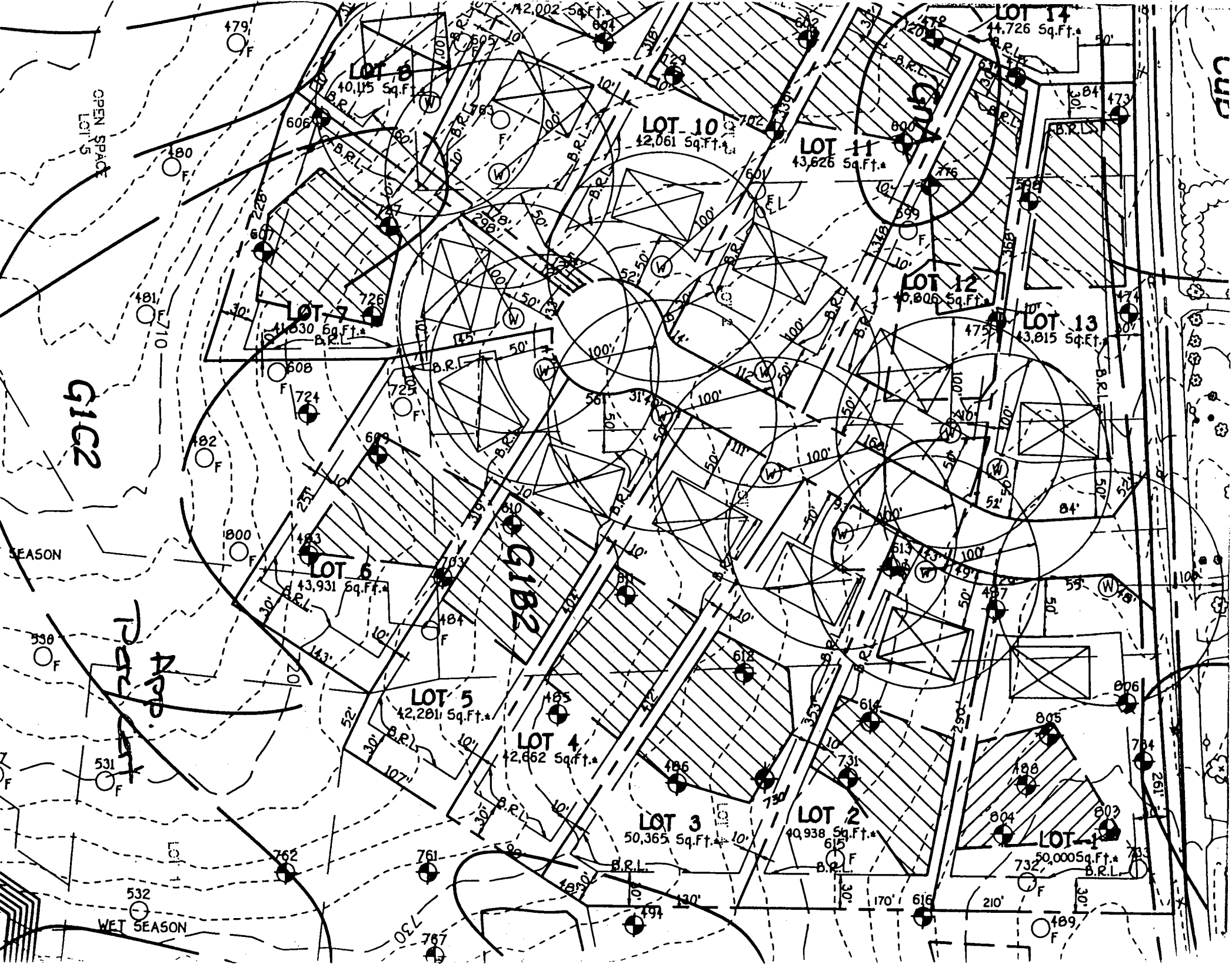
TYPE OF SOIL

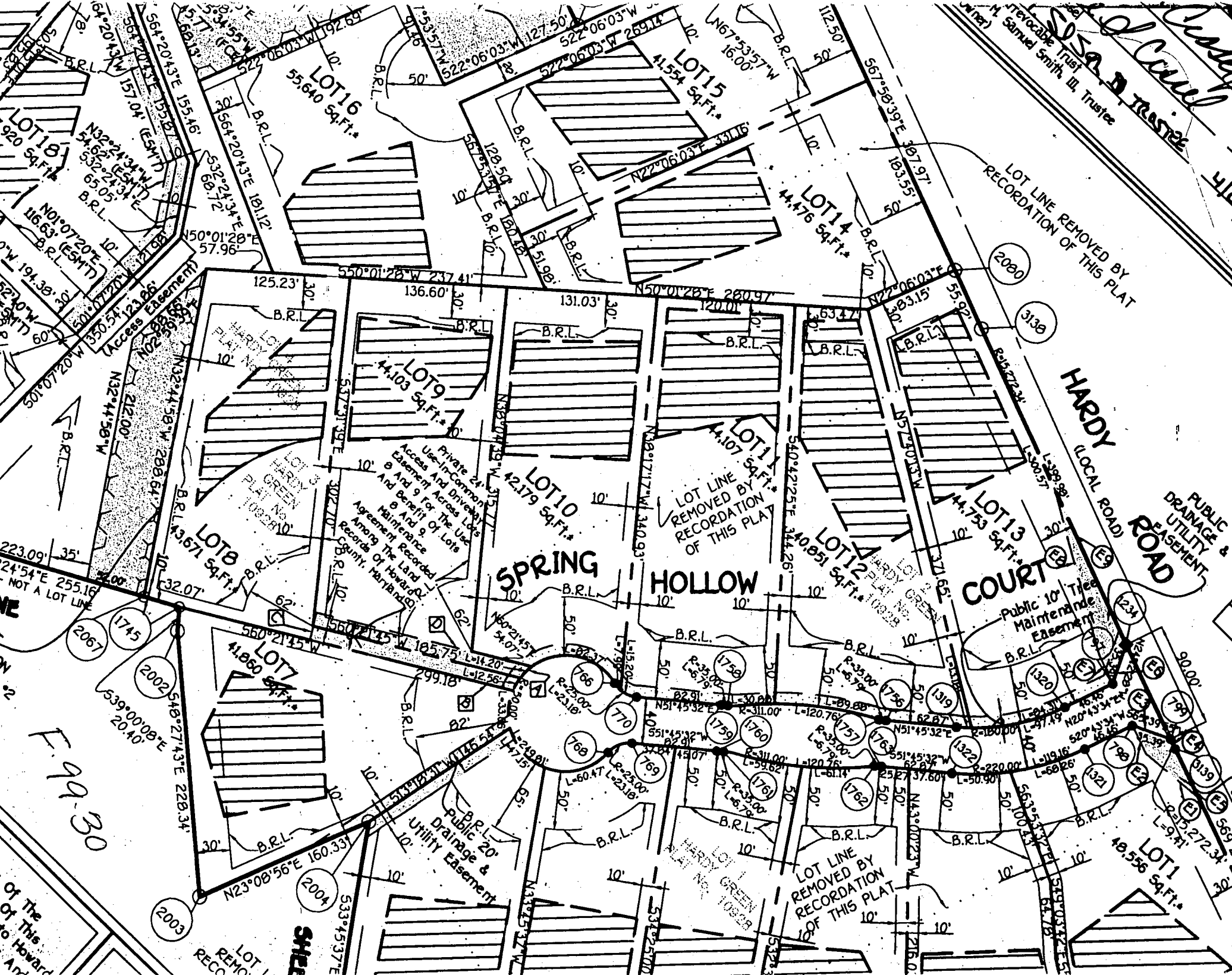
TESTED BY Amy McMillen ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____


LOT 18
57,877 Sq.Ft.±
LOT 16
55,044 Sq.Ft.±
LOT 15
42,220 Sq.Ft.±
LOT 14
44,726 Sq.Ft.±
LOT 9
42,002 Sq.Ft.±
LOT 8
40,115 Sq.Ft.±
LOT 10
42,061 Sq.Ft.±
LOT 11
43,626 Sq.Ft.±
LOT 12
40,808 Sq.Ft.±
LOT 13
43,815 Sq.Ft.±
LOT 7
41,830 Sq.Ft.±
HARDY GREEN
LOTS 1 - 5
PLAT No. 10928
Existing Well
Existing Septic Tank
PRIVATE 24' USE-IN-COMMON DRIVEWAY ACCESS EASEMENT
20' DRAINAGE & UTILITY EASEMENT
HARDY
COURT
(LOCAL ROAD)
P-16
P-14
P-12
P-22
P-9826
APPROVED
HOWARD CO


LOT 8
40,115 Sq.Ft.±
LOT 10
42,061 Sq.Ft.±
LOT 11
43,626 Sq.Ft.±
LOT 14
44,726 Sq.Ft.±
LOT 12
40,806 Sq.Ft.±
LOT 13
43,815 Sq.Ft.±
LOT 7
41,630 Sq.Ft.±
LOT 6
43,931 Sq.Ft.±
LOT 5
42,281 Sq.Ft.±
LOT 4
42,662 Sq.Ft.±
LOT 3
50,365 Sq.Ft.±
LOT 2
40,938 Sq.Ft.±
LOT 1
50,000 Sq.Ft.±
OPEN SPACE
LOT 15
G1C2
G1B2
G1A2
SEASON
WET SEASON
B.R.L.


LOT16
55,640 Sq.Ft.±
LOT15
41,554 Sq.Ft.±
LOT14
44,476 Sq.Ft.±
LOT18
LOT9
44,103 Sq.Ft.±
LOT11
44,107 Sq.Ft.±
LOT10
42,179 Sq.Ft.±
LOT8
43,671 Sq.Ft.±
LOT12
40,851 Sq.Ft.±
LOT13
44,753 Sq.Ft.±
LOT7
41,860 Sq.Ft.±
LOT1
48,556 Sq.Ft.±
SPRING HOLLOW COURT
HARDY ROAD (LOCAL ROAD)
LOT LINE REMOVED BY RECORDATION OF THIS PLAT
Private 24' Use-In-Common Access And Driveway Easement Across Lots 8 And 9 For The Use & Benefit Of Lots 8 And 9. Maintenance Agreement Recorded Among The Land Records Of Howard County, Maryland
Public 10' Tree Maintenance Easement
Public 20' Drainage & Utility Easement
PUBLIC DRAINAGE & UTILITY EASEMENT
HARDY LOT 1 GREEN PLAT NO. 10828
HARDY LOT 2 GREEN PLAT NO. 10828
HARDY LOT 3 GREEN PLAT NO. 10828
(Access Easement)
F. 99-30

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MD 21043
PERMITS (410)313-2455 INSPECTIONS (410)313-1810
AUTOMATED INFORMATION (410) 313-3800

HOWARD COUNTY PERMIT APPLICATION

PERMIT NUMBER B0012177

Building Address 12100 Spring Hollow Ct
Mt Airy, Md 21771

Suite/Apt. #: _____ SDP/WP/Petition #: _____

Census Tract 6010 Subdivision Spring Hollow

Section _____ Area _____ Lot 13

Tax Map 7 Parcel 1111 Grid 8

Zoning RC-DEO Map Coordinates 2K9 Lot size

Property Owner's Name Daniel & Karen Ellis

Address 2038 Southview Rd

City Ellicott City State Md Zip Code 21042

Home Phone (410) 461-6010 Work Phone (410) 247-9500

Applicant's Name & Mailing Address, (if other than stated hereon):

Phone _____ Fax _____

Existing Use New Single Family Dwelling

Proposed Use Garage for Single Family Dwelling

Estimated Construction Cost $ $7,000

Description of Work 1 Story, detached Construction of Garage 20 x 20

Contractor Company Tenga Architectural Building Co

Contact Person Dan Ellis/Jim Tenga

Address P.O. Box _____

City Ellicott City State Md Zip Code 21042

License No. _____

Phone (410) 313-8263 Fax _____

Occupant or Tenant _____

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Engineer or Architect Company _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

BUILDING DESCRIPTION - *COMMERCIAL*

Building Characteristics

Height:

No. of stories:

Gross area, sq. ft. per floor:

Use group:

Construction type:
____ Reinforced Concrete
____ Structural Steel
____ Masonry
____ Wood Frame
____ State Certified Modular

Utilities

Water Supply:
____ Public
____ Private

Sewage Disposal:
____ Public
____ Private

Electric Yes ☐ No ☐
Gas Yes ☐ No ☐

Heating System:
Electric ☐ Oil ☐
Natural Gas ☐
Propane Gas ☐

Sprinkler system: N/A ☐
____ Full
____ Partial
____ Other Suppression
____ # of Heads

BUILDING DESCRIPTION - *RESIDENTIAL*

Building Characteristics

SF Dwelling ☐ SF Townhouse ☐

	Depth	Width
1st floor:		
2nd floor:		
Basement:		

Finished Basement ☐ Unfinished Basement ☐
Crawl space ☐ Slab on Grade ☐
No. of Bedrooms _____

Multi-family dwellings:
No. of efficiency units: _____
No. of 1 BR units: _____
No. of 2 BR units: _____
No. of 3 BR units: _____

Other Structure: Colonial
Dimensions: 20 x 20
Footings: _____
Roof: _____

____ State Certified Modular
____ Manufactured Home

Utilities

Water Supply:
____ Public
____ Private

Sewage Disposal:
____ Public
____ Private

Electric Yes ☐ No ☐
Gas Yes ☐ No ☐

Heating System:
Electric ☐ Oil ☐
Natural Gas ☐
Propane Gas ☐

Sprinkler system: N/A ☐
____ NFPA #13D
____ NFPA #13R
____ Other:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

D M Ellis
Applicant's Signature

Daniel R. Ellis
Print Name

Owner
Title/Company

12/15/99
Date

Checks payable to: *DIRECTOR OF FINANCE OF HOWARD COUNTY*
** PLEASE WRITE NEATLY AND LEGIBLY. **
- FOR OFFICE USE ONLY -

4/1083

AGENCY	DATE	SIGNATURE APPROVAL
Land Development, DPZ		
State Highways		
Building Official	12/15/99	
Dev. Engineering, DPZ		
Health	12/15/99	Mark E. Rifkin
Fire Protection		

Is Sediment Control approval required prior to issuance?
YES ☐ NO ☐

CONTINGENCY CONSTRUCTION START: ☐
ONE STOP SHOP: ☐

DPZ SETBACK INFORMATION

Front: _____
Rear: _____
Side: _____
Side St.: _____
All minimum setbacks met?
YES ☐ NO ☐
Is Entrance Permit required?
YES ☐ NO ☐
Historic District?
YES ☐ NO ☐
Lot Coverage for NewTown Zone _____
SDP/Red-line approval date _____ Accepted by _____

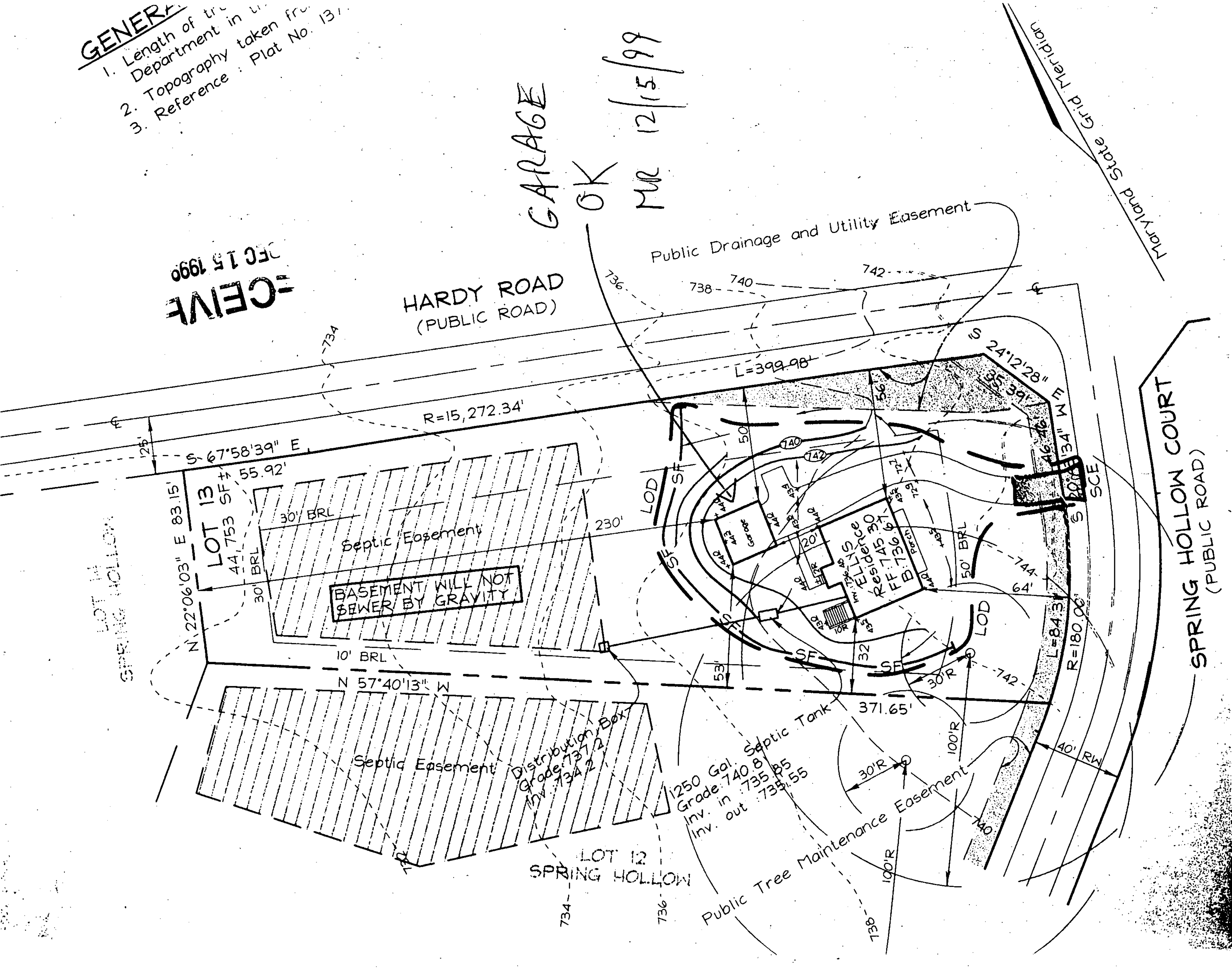
PROPERTY ID#: _____

Filing fee	$	25
Permit fee	$	111
Excise tax	$	
Sub-total paid	$	
Add'l permit fee	$	
TOTAL FEES	$	136
Balance due	$	
Check	#	1611
Validation	#	

Distribution of Copies- White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SHA

a:\permit.frm

Rev. 10/15/98



GENERAL
1. Length of
Department in
2. Topography taken fr
3. Reference : Plat No. 13
GARAGE
OK
MLR 12/15/99
Maryland State Grid Meridian
Public Drainage and Utility Easement
HARDY ROAD
(PUBLIC ROAD)
SPRING HOLLOW COURT
(PUBLIC ROAD)
L=399.98'
R=15,272.34'
S 67°58'39" E
55.92'
S 24°12'28" E
35.39'
46.46'
34" W
LOT 13
44,753 SF±
N 22°06'03" E 83.15'
30' BRL
Septic Easement
BASEMENT WILL NOT
SEWER BY GRAVITY
10' BRL
N 57°40'13" W
230'
371.65'
LOD
SF
Garage
20'
Porch
ELLIS Residence
FF: 745.30
B: 736.67
50' BRL
64'
L=84.3
R=180.00'
SCE
30'R
100'R
40' RW
1250 Gal. Septic Tank
Grade: 740.8
Inv. in : 735.85
Inv. out : 735.55
Distribution Box
Grade: 737.2
Inv. : 734.2
Public Tree Maintenance Easement
LOT 12
SPRING HOLLOW
LOT 14
SPRING HOLLOW

4/13/00 10 AM

313-2640

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
~~461-6999~~

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ✓
Replacement ____

Receipt # ____
Date 4/12/00

Name of Installer J.A. Smith & Co. Telephone 410-796-7532

License Number 5581
Certified Well Pump Installer ____ Well Driller ____ Registered Plumber X

Name of Property Owner DAN & KAREN ELLIS Telephone 410-465-6340
Subdivision SPRING HOLLOW Lot # 13 Well Tag # HO-94-2039
Site Address 17100 SPRING HOLLOW CT.

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible ✓
2. Make Goulds
3. Model # 5GS05412
4. Capacity 5 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 1/2 H.P.
2. RPM ____
3. Voltage 230V
   a. 110 ____
   b. 220 ✓

Pitless Adapter
1. Make ____
2. Model # ____
3. Depth 4'

Tank
1. Capacity WX-250
2. Pressure relief valve? YES

Piping
1. Type Black Poly
2. Size 1"
3. NSF and/or BOCA Code approved YES
4. Depth of supply line 3-4'

Well data
1. Depth 185 ft.
2. Yield 15 GPM
3. Static water level 40 ft.
4. 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.

4/13/00 - WPI on SRK

Signature of Applicant: D. Ray Smith

Date: 4-12-00

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

HD-215

C 1 | 9822 (1 2 3 6) | SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. ✓

COUNTY NUMBER A5761ON

ST/CO USE ONLY
DATE Received MM DD YY (8 13)

DATE WELL COMPLETED MM 04 DD 28 YY 99 (15 20)

Depth of Well 22 205 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2029 (28 29 30 31 32 33 34 35 36 37)

OWNER Cissel Lambert (last name / first name)

STREET OR RFD Spring Hollow Ct TOWN Poplar Springs

SUBDIVISION Spring Hollow SECTION _____ LOT 13

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 FROM	FEET TO	check if water bearing
Top Soil	0	2	
Brown Shale	2	18	
Brown Shale	18	20	
Blue Shale	20	50	
Brown Shale	50	55	✓
Blue Shale	55	205	

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes Y / no (N)

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 LIC. NO.: MSDL16
Mark Wayne
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO.: MSDL16
Mark S. Wayne

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes (Y) / no (N) (44)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) (45 46) BENTONITE CLAY (BC) (45 46)

NO. OF BAGS 8 NO. OF POUNDS 800

GALLONS OF WATER 48

DEPTH OF GROUT SEAL (to nearest foot)

from 0 (48 TOP 52) ft. to 28 (54 BOTTOM 58) ft.

(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

ST STEEL / CO CONCRETE / PL PLASTIC / OT OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
PL (60 61)	6 (63 64)	30 (66 70)

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	depth (feet) to

SCREEN RECORD
screen type or open hole — insert appropriate code below

ST STEEL / BR BRASS / BRONZE / HO OPEN HOLE / PL PLASTIC / OT OTHER

C 2 (1 2)

DEPTH (nearest ft.)

EACH SCREEN			
1	HO (8 9)	28 (11 15)	205 (17 21)
2	(23 24)	(26 30)	(32 36)
3	(38 39)	(41 45)	(47 51)

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (56 60) (NEAREST INCH)

	from	to
GRAVEL PACK		
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68		(68)

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

T (70) (E.R.O.S.) (72) W Q (74 75 76)

TELESCOPE CASING / LOG INDICATOR / OTHER DATA

C 3 (1 2)

PUMPING TEST
HOURS PUMPED (nearest hour) 3 (8 9)

PUMPING RATE (gal. per min.) 10 • (11 15)

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 55 (17 20) ft.

WHEN PUMPING 63 (22 25) ft.

TYPE OF PUMP USED (for test)

A air (27) / P piston (27) / T turbine (27)

C centrifugal (27) / R rotary (27) / O other (describe below) (27)

J jet (27) / S submersible (27)

PUMP INSTALLED
DRILLER INSTALLED 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. (29)

CAPACITY: GALLONS PER MINUTE (to nearest gallon) (31 35)

PUMP HORSE POWER (37 41)

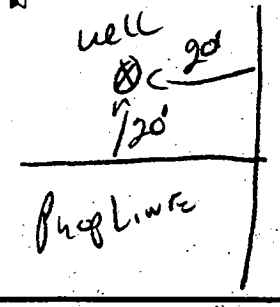
PUMP COLUMN LENGTH (nearest ft.) (43 47)

CASING HEIGHT (circle appropriate box and enter casing height)

(+) above / (–) below (49)

LAND SURFACE 2 (50 51) (nearest foot)

LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



DENV-CR97

② COUNTY

Page ____ of ____
Date April 21 1999

Review OK MR 10/19/99

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2029
Location of property (road) Spring Hollow Ct
Subdivision Spring Hollow Lot 13 Block ____ Plat ____ Sec. ____
Well Driller Ralph Mayne Owner Lambert Cissel

Depth of well 205 ft
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 55 ft

I. High rate pumping -- reservoir drawdown

Time pump started 12:00 Pumping rate 12GPM
Total time 15 min to reach pumping water level 63 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
12:15	63 ft	6 Sec		10 GPM
12:30	63 "	6 Sec		10 GPM
12:45	63 "	6 sec		10 GPM
1:00	63 "	6 "		10 "
1:15	63 "	6 "		10 "
1:30	63 "	6 "		10 "
1:45	63 "	6 Sec		10 GPM
2:00	63 "	6 sec		10 GPM
2:15	63 "	6 Sec		10 GPM
2:30	63 "	6 "		10 "
2:45	63 "	6 "		10 "
3:00	63 "	6 Sec		10 GPM
3:15	63 "	6 sec		10 GPM

HD-224 30ft Casing 2" Open 8 Bags

Page ____ of ____
Date ____

4/21/99 3 HR 4:30

Review ____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 2029
Location of property (road) Spring Hollow Ct
Subdivision Spring Hollow Lot 13 Block ____ Plat ____ Sec. ____
Well Driller Ralph Mayne Owner Lambert Cissel

Depth of well 205'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 55'

I. *High rate pumping -- reservoir drawdown*

Time pump started 12:00 Pumping rate 12 gpm
Total time 15 min to reach pumping water level 63 ft. below M.P.

II. *Recovery pump test data - observations to be recorded every 15 minutes*

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill ~~x~~1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
1:30 pm	63	6 sec	—	10 gpm
1:45 pm	63	6 sec	—	10 gpm
2:00 pm	63	6 sec	—	10 gpm
2:15 pm	63	6 sec	—	10 gpm
		Well water	appears clear	
		per driller →	" SRK 4/21/99	
		No sample	opportunity	
			"	

HD-224

EMERGENCY/TEMP NO. IF ANY

B 1 | 4732 | SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER: HO-94-2029

fill in this form completely

Date Received (APA): 12 18 98

OWNER INFORMATION

CISSEL Lambert
Last Name Owner First Name

3425 Hipsley Mill Rd
Street or RFD

Woodbine MD. 21797
Town State Zip

DRILLER INFORMATION

Ralph Mayne MSD 116
Driller's Name License No.

Ralph Mayne well Drilling
Firm Name

9120 Brown Church Rd Mt Airy
Address

Ralph Mayne 12-9-98
Signature Date

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)

- (D) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION
- [I] INDUSTRIAL, COMMERICIAL, DEWATERING
- [P] PUBLIC WATER SUPPLY WELL
- [T] TEST, OBSERVATION, MONITORING
- [G] GEO-THERMAL

B 3 LOCATION OF WELL

Howard
COUNTY

Spring Hollow
SUBDIVISION

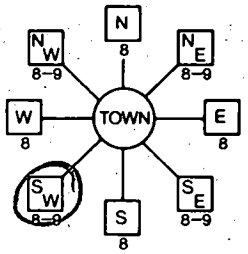
SECTION LOT 13

Poplar Springs
NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): I

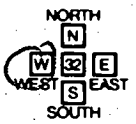
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Steven's Delight
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



30

DISTANCE FROM ROAD: ft

ENTER FT OR MI

TAX MAP: BLK: PARCEL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard Co — A57610N
COUNTY NAME — COUNTY NO.

STATE SIGNATURE

INSERT S

DATE ISSUED: 122998

A McMull — 122998
CO SIGNATURE — EXP. DATE

NORTH GRID: 548000

EAST GRID: 768000

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
(AIR-ROTary) AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT
other

REPLACEMENT OR DEEPENED 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 DEEPEN AN EXISTING WELL

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

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 768

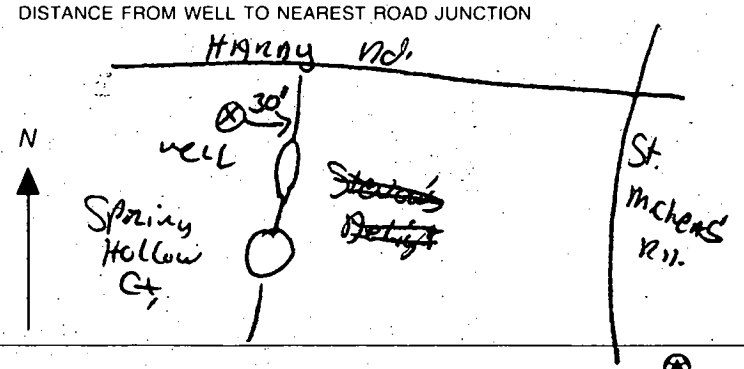
N 548

12:00 4/21/99
Grout done prior to arrival at 1:30pm on 4/21/99 @
S.R.K.

30' casing
28 open
8 bags
000
000

Grout done at 12:30pm per driller 4/21/99

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)

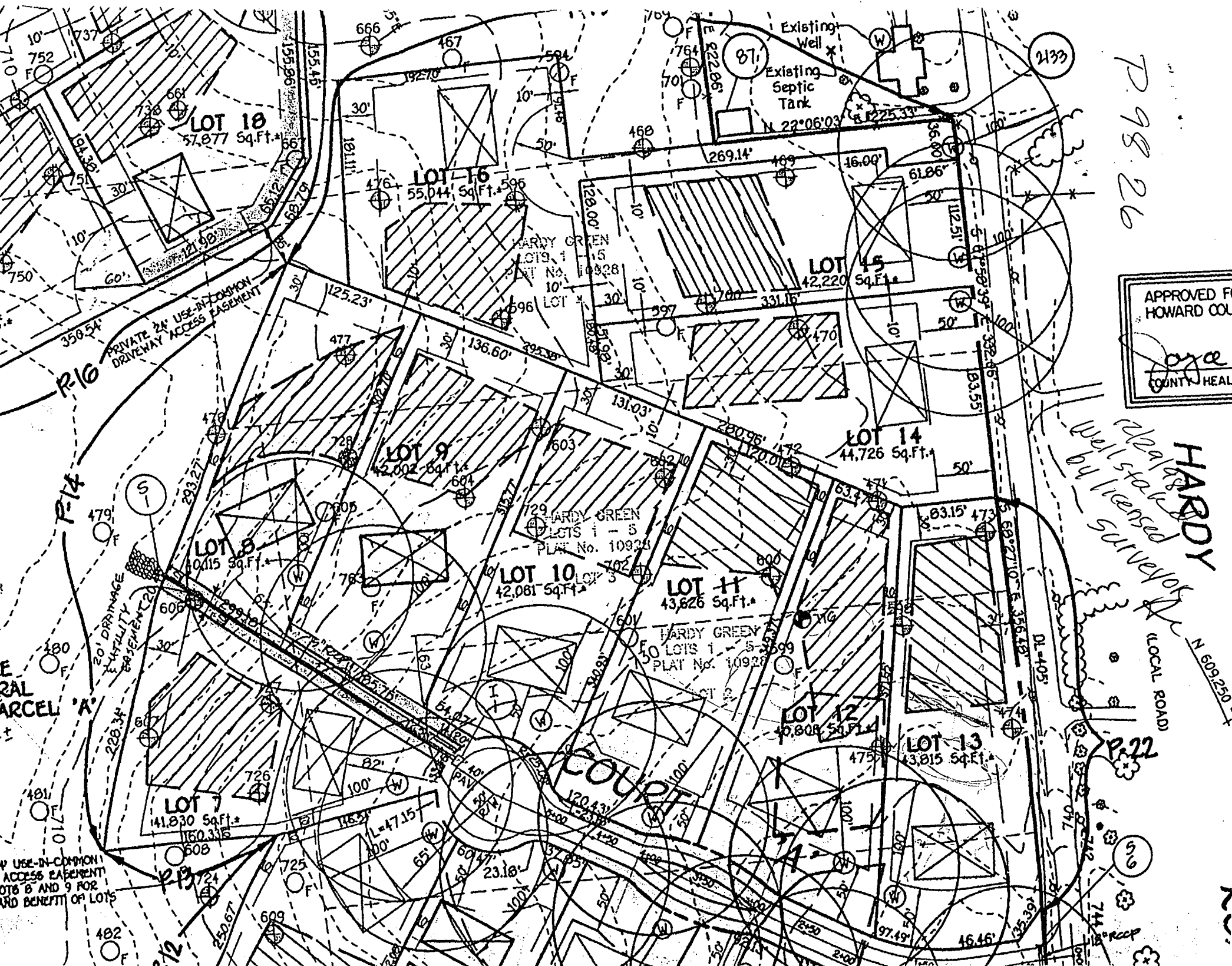
APPROP. PERMIT NUMBER: GAP

PERMIT No. HO-94-2029

SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

DENV-Permit 97

② COUNTY


LOT 18
57,877 Sq.Ft.±
LOT 16
55,044 Sq.Ft.±
LOT 15
42,220 Sq.Ft.±
LOT 14
44,726 Sq.Ft.±
LOT 9
42,002 Sq.Ft.±
LOT 8
40,115 Sq.Ft.±
LOT 10
42,061 Sq.Ft.±
LOT 11
43,626 Sq.Ft.±
LOT 12
40,808 Sq.Ft.±
LOT 13
43,815 Sq.Ft.±
LOT 7
141,830 Sq.Ft.±
HARDY GREEN
LOTS 1 - 5
PLAT No. 10928
Existing Well
Existing Septic Tank
PRIVATE 24' USE-IN-COMMON DRIVEWAY ACCESS EASEMENT
20' DRAINAGE & UTILITY EASEMENT
COURT
HARDY
(LOCAL ROAD)
APPROVED
HOWARD COU
Septic & Well shall be located by licensed surveyor
P-16
P-14
P-15
P-12
P-22
S-1
S-16