

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 511319

A 58089

DISTRICT 4th

12-27-98
AM,
12-28-98
WPI & Hse Conn

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

36 1407

DATE 12/21/98

DATE SYSTEM APPROVED 12/29/98

INDEXED

INSPECTOR [Signature]

Arnold's Backhoe & Septic Services

IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 15 Woodbine, MD 21797

PHONE (410) 795-7873

SUBDIVISION Lang Property LOT 1 ROAD 1301 Florence Road

PROPERTY OWNER Leonard & Linda Lang

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 210

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 - Place distribution box 15 feet off the front lot line and 55 feet off the left lot line. Run trenches along contour towards the left front lot corner as seen from Florence Road.

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

[Signature] 9-15-98

PLANS APPROVED BY Glen Savage/Mark Rifkin

REVISED DATE 09/09/98

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

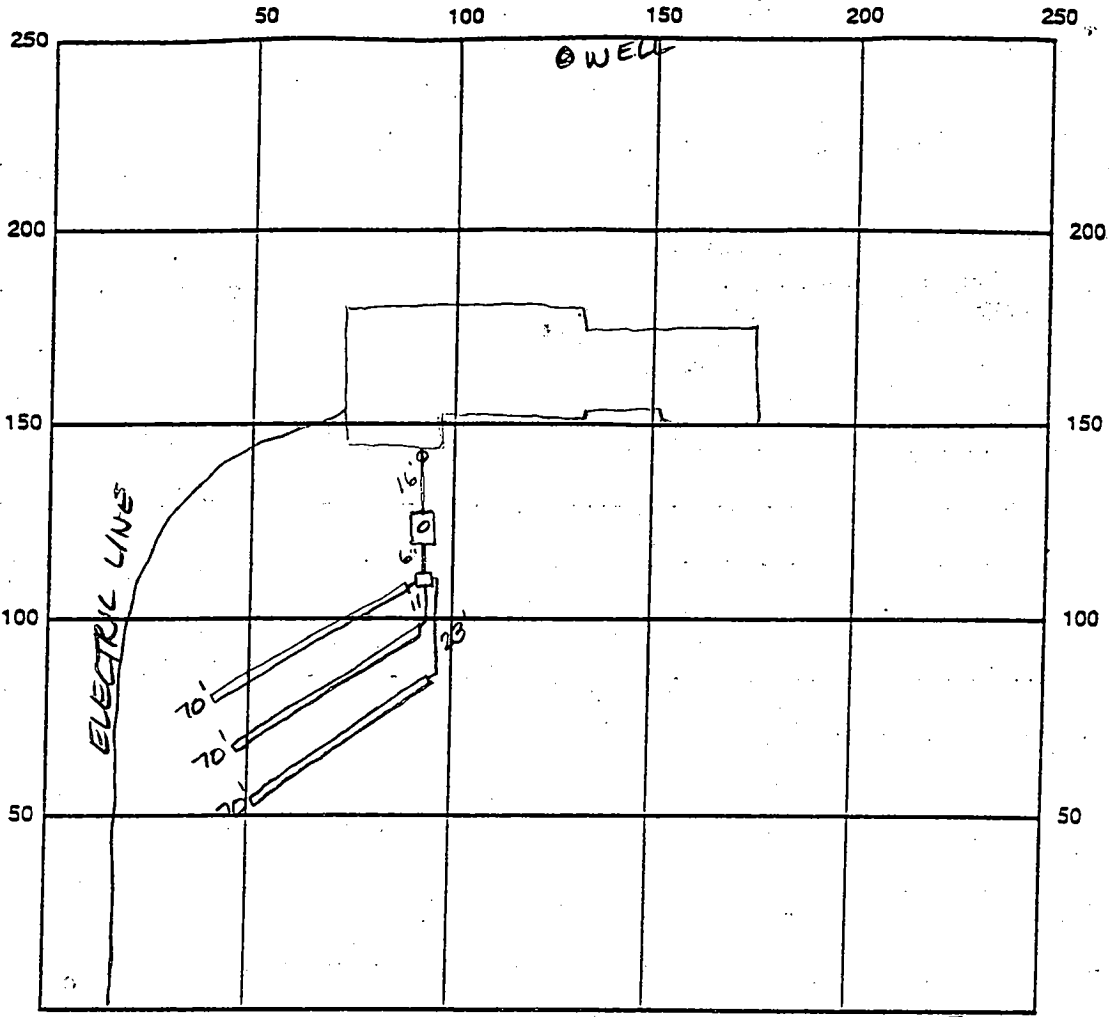
PERMIT VOID AFTER TWO YEARS

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**

158089



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Florence Rd

SEPTIC TANK LEVEL OK 1000 gal CLEANOUTS OK
 DISTRIBUTION BOX LEVEL OK baffle is in
 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 210 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 630 SQ. FT. $\frac{210 \times 3}{30}$
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.
 ABSORBENT AREA — SQ. FT.

REMARKS: 12/23/98 OK to cover all work final - needs house connection.

12/28/98 House connection made w/ WPI - 4' pitless connection PVC conduit & 2 piece cap. OK AN

DATE SYSTEM APPROVED 12/28/98 INSPECTOR A. McMulle

5/19/97
10/90

APPLICATION

PERCOLATION TESTING

A 58089

P _____

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

PREVIEW OK
INTENDED 1 ACRE LOT
FROM 92 ACRE FARM
TESTING OF RESIDUE NOT REQ'D;
IN FARMLANDS PRESENT,
THESE FOR NOT BP ELIGIBLE
(CW)

DISTRICT _____

DATE 4/17/97

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 William Kelley, Sr. & Lavinia Kelley Leonard & Linda Lang

ADDRESS Florence Rd. PHONE _____

AGENT OR PROSPECTIVE BUYER Judith B. Ketterman

ADDRESS 14960 Fred. Rd. Woodbine 21797 PHONE 410-442-1336

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION (1301 Florence Road)

TAX MAP 6 PARCEL # 39

BLDG. PERMIT SIGNED

~~AND RETURNED~~ 9-8-98
Serial # B10113826

SIZE OF LOT 1 AC FROM 92 AC TYPE BLDG. Residence - 3 Bm
(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.

Judith B. Ketterman
(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 58089

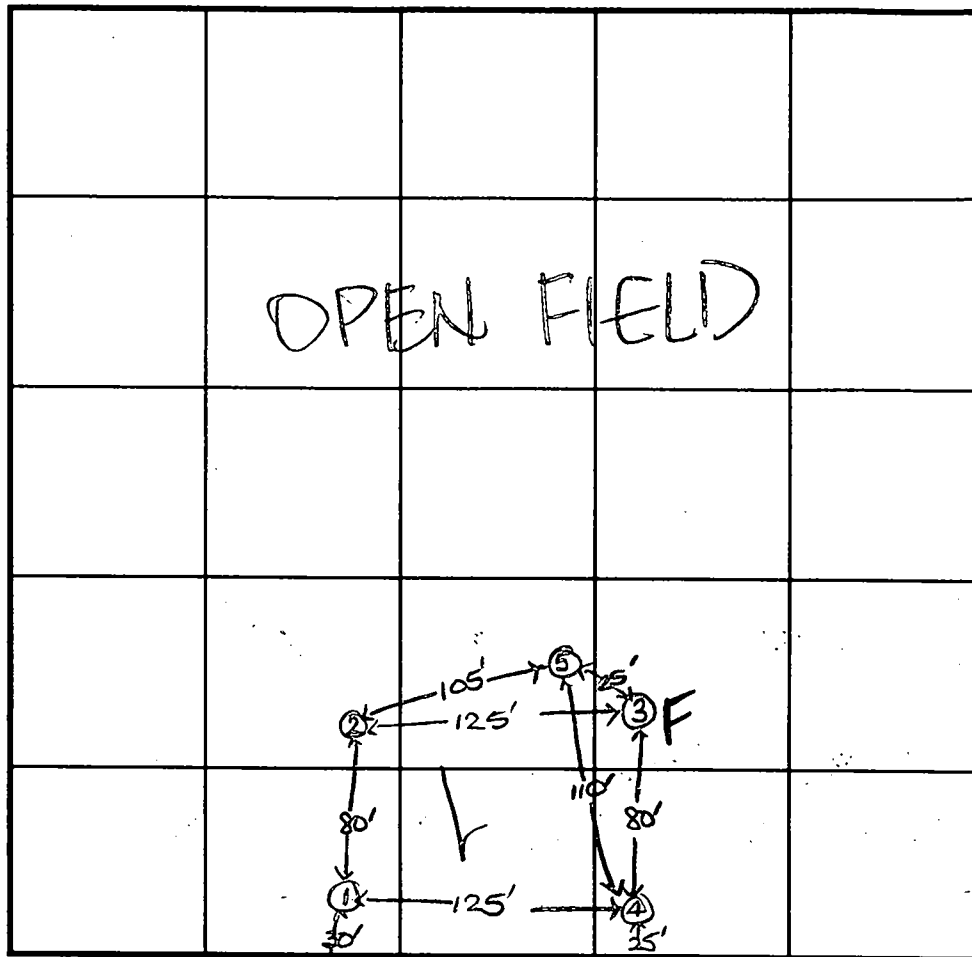
COUNTY #

SOIL PROFILE

0' ①
 1' topsoil
 org brn cl lm
 3.5' 4' lt org brn to beige si lm
 10.5' 25% shale frags

0' ②
 1' topsoil
 org red brn cl lm
 3.5' lt org brn to beige si lm
 10' 30% shale frag

0' ③
 1' topsoil
 org brn cl lm
 6' lt brn si lm
 w/ >50% shale frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Florence Road

SOIL PROFILE

0' ④
 1' topsoil
 org red brn cl lm
 3.5' 4' tan to beige si lm
 20%+ shale frag

0' ⑤
 1' topsoil
 org brn cl lm
 lt org brn si lm
 30%+ frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-19-97	1	3.5'S	10:56	11:12	11:12	11:38	26
		10.5'D	Visual	OK			
	2	3'8"S	11:05 ₃	11:06	11:06	11:08	2
		7.0'M	10:45	10:48 ₃	10:48 ₃	11:03	15
		10.0'D	Visual	OK			
	3	11.0'D	(>50% Frags below 6')				FAIL
	4	4.0'S	11:01	11:16	11:16	11:42	26
		10.0'D	Visual	OK			
	5	10.0'D	Visual	OK			

REMARKS test holes not staked

TYPE OF SOIL

TESTED BY D. Soe

ALSO PRESENT O. Ketterman, owner

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 17+

TRENCH WIDTH 3

INLET DEPTH 3.5

MAXIMUM BOTTOM DEPTH 5.0

SQ. FT./BEDROOM

240


OK TO REVISE SPECS TO 210 #

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM HOWARD COUNTY 1"=200' AERIAL PHOTOGRAMMETRY AND SHOULD BE FIELD VERIFIED.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE

541.4 ● DESIGNATES APPROVED PERC TEST AND FIELD RUN ELEVATION
 541.4 ○ DESIGNATES FAILED PERC TEST AND FIELD RUN ELEVATION

 DESIGNATES PROPOSED HOUSE

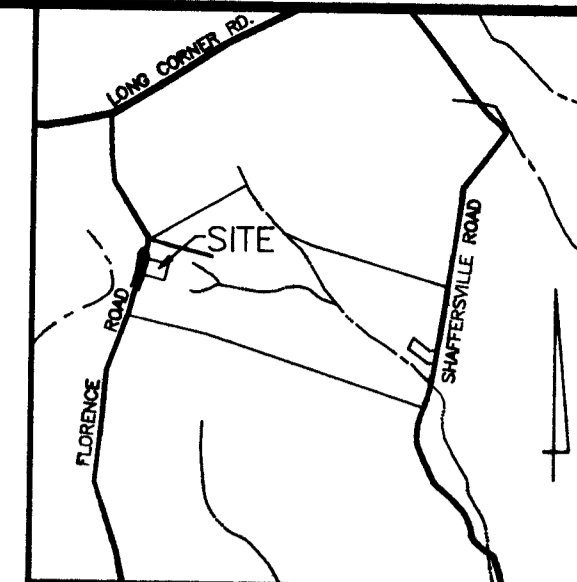
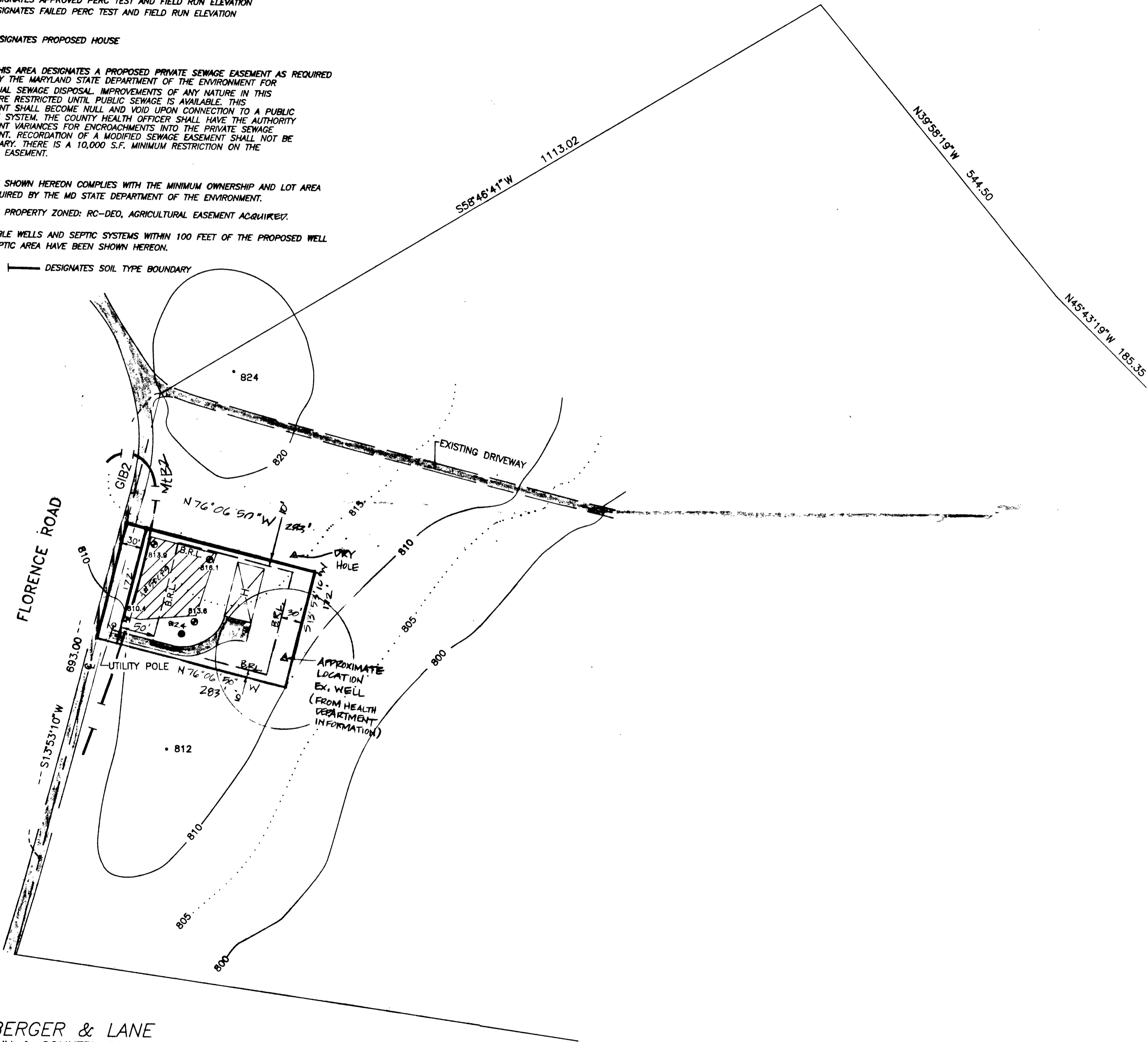
3.  THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. THERE IS A 10,000 S.F. MINIMUM RESTRICTION ON THE SEWAGE EASEMENT.

4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.

5. SUBJECT PROPERTY ZONED: RC-DEO, AGRICULTURAL EASEMENT ACQUIRED.

6. ALL VISIBLE WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPOSED WELL AND SEPTIC AREA HAVE BEEN SHOWN HEREON.

6.   DESIGNATES SOIL TYPE BOUNDARY



APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

Joyce M. Boyd 7/24/98
 COUNTY HEALTH OFFICER DATE

Scott Shanaberger 7/17/98
 DATE
 SCOTT SHANABERGER
 PROFESSIONAL LAND SURVEYOR # 10849

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 104
 ELLICOTT CITY, MD. 21043
 (410) 461-9563

SIGNED
 REVISED
 FIELD LOCATED PERC TEST PLAT
 LOT 1
LANG PROPERTY
 FOURTH ELECTION DISTRICT, HOWARD COUNTY, MD
 TAX MAP 6, GRID 12, P/O PARCEL 39

SCALE: 1"=100'
 DATE: SEPTEMBER 10, 1997 REV. 7/30/97
 FILE: 9059PERC.DWG REV. 7/17/98

NOTES:

- COORDINATES BASED ON NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NOS. 06C6 & 06FA
- SUBJECT PROPERTY ZONED "RC-DEO" PER 10/18/93 COMPREHENSIVE ZONING PLAN (AGRICULTURAL EASEMENT AQUIRED).
- B.R.L. DESIGNATES BUILDING RESTRICTION LINE
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE REQUIREMENTS OF § 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF THE MARKERS HAVE BEEN COMPLIED WITH.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- DESIGNATES IRON PIN & CAP TO BE SET AFTER RECORDATION OF FINAL PLAT
O DESIGNATES IRON PIN & CAP PREVIOUSLY SET
- THIS PLAT IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY SHANABERGER & LANE IN APRIL OF 1994.
- THE AREAS SHOWN HEREON ARE NOT EXACT BUT ARE ROUNDED TO THE NEAREST 1 SQUARE FOOT AND THE NEAREST 0.0001 ACRE.
- THIS PROPERTY IS IN THE "NO PLANNED SERVICE AREA" ON THE MASTER PLAN FOR PUBLIC WATER & SEWER

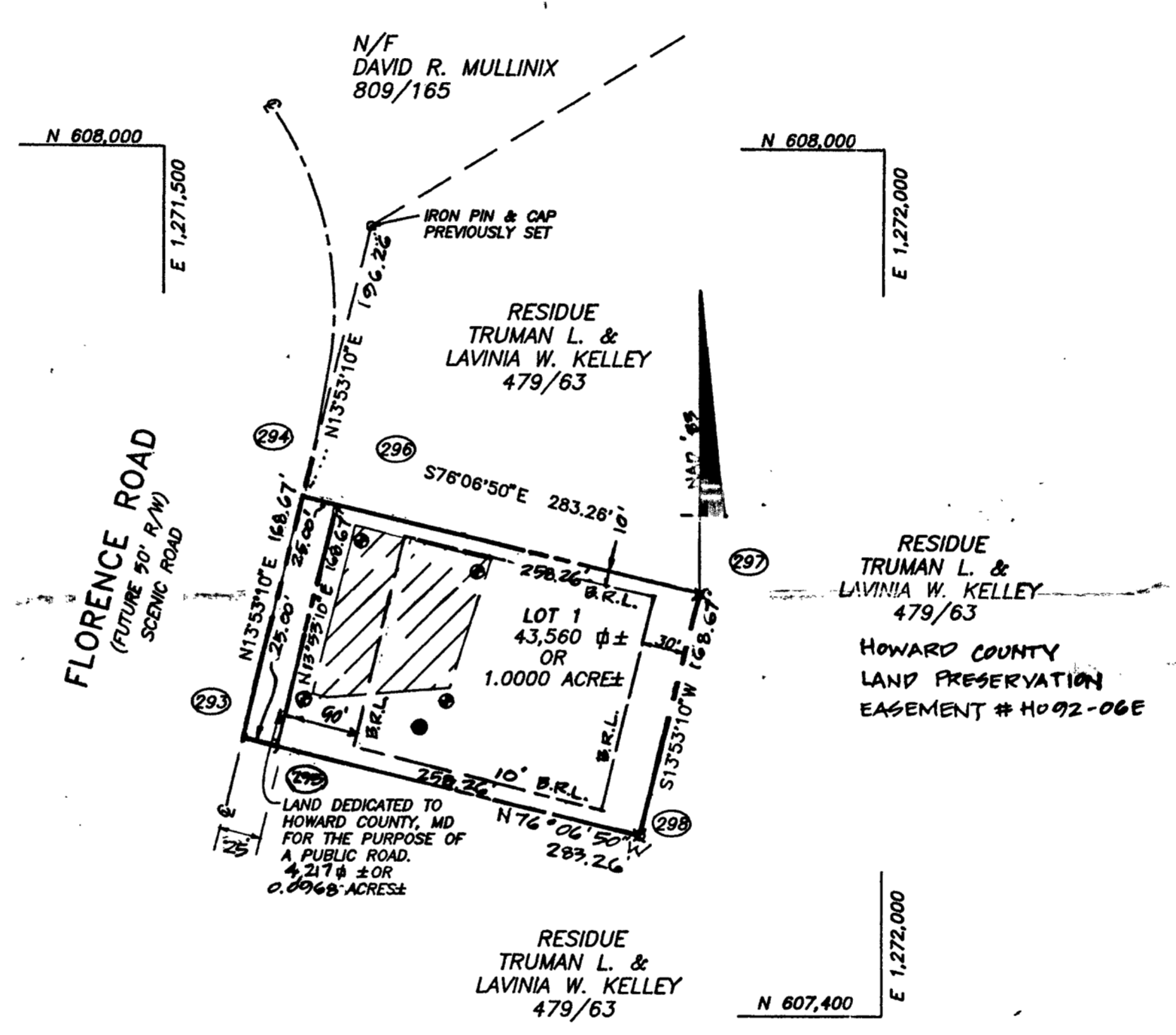
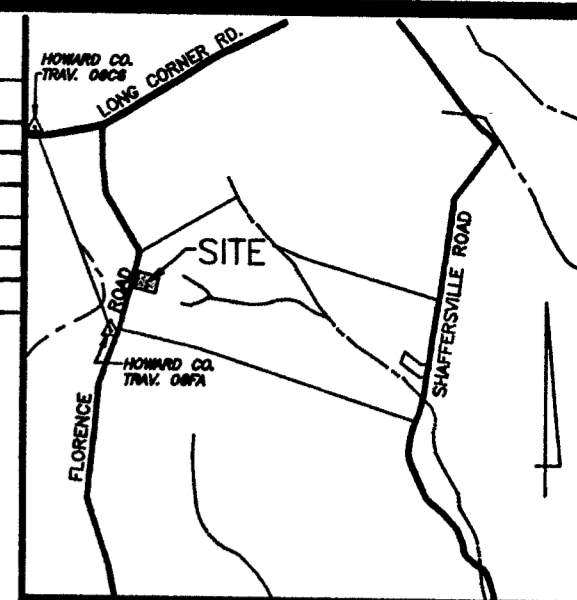
Scott Shanaberger 4/13/1998
G. SCOTT SHANABERGER DATE

Truman L. Kelley 4/13/98
TRUMAN L. KELLEY DATE

Lavinia W. Kelley 4/13/98
LAVINIA W. KELLEY DATE

- THIS SUBDIVISION IS EXEMPT FROM STORMWATER MANAGEMENT REQUIREMENTS BECAUSE THE AVERAGE LOT SIZE IS GREATER THAN 2 ACRES.
- DRIVEWAY SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE & EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A.) WIDTH - 12 FEET (14 FEET IF SERVING MORE THAN 1 RESIDENCE)
B.) SURFACE - SIX (6) INCHES OF COMPACTED "CRUSHER RUN" BASE WITH A "TAR AND CHIP" COATING.
C.) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 30-FOOT TURNING RADIUS.
D.) STRUCTURES - (CULVERTS AND BRIDGES) CAPABLE OF SUPPORTING TWENTY-FIVE (25) GROSS TONS (H-25 LOADING).
E.) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
F.) STRUCTURE CLEARANCE - MINIMUM 12 FEET.
G.) MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
H.) HOUSE NUMBERING - WHERE ONE (1) DRIVEWAY SERVES MORE THAN ONE (1) LOT (COMMON DRIVEWAYS), A HOUSE NUMBER SIGN MUST BE PLACED AT EACH LOT ENTRANCE AND A RANGE OF STREET ADDRESS HOUSE NUMBERS SIGN WHERE
- THERE ARE NO WETLANDS, STREAMS OR FLOODPLAINS ON THIS LOT PER WETLANDS INVESTIGATION PERFORMED BY DENNIS J. LABARE, M.S. & ASSOCIATES ENVIRONMENTAL CONSULTING SERVICES.
- THIS PLAT IS SUBJECT TO SECTION 15.514 (A) OF THE HOWARD COUNTY CODE. CAMPBELL'S CORNER LOT 1, PLAT 11413 (F-94-131) PREVIOUSLY WAS CREATED IN ACCORDANCE WITH SECTION 15.914 (A) OF THE AGRICULTURAL PRESERVATION PROGRAM. LOT 1 IS CREATED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 104.E(6) OF THE ZONING REGULATIONS
- THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF THE FOREST CONSERVATION PROGRAM PER SECTION 18.1202 (b) (1) (ii) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

COORDINATES				
NO.	NORTH (F)	EAST (F)	NORTH (M)	EAST (M)
293	607,592.1949	1,271,595.8796	185,194.4714	387,571.0073
294	607,755.9325	1,271,596.3585	185,244.3787	387,573.2452
295	607,506.1931	1,271,580.1400	185,192.6426	387,578.4046
296	607,749.9827	1,271,620.6279	185,242.9500	387,590.7426
297	607,661.9522	1,271,871.3401	185,223.6583	387,667.1598
298	607,524.2145	1,271,820.8613	185,179.7909	387,694.8218



TABULATION OF FINAL PLAT

TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED:	1
BUILDABLE	
TOTAL AREA OF LOTS AND/OR PARCELS BUILDABLE	1.0000 ACRES±
TOTAL AREA OF RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS	0.0768 ACRES ±
TOTAL AREA OF SUBDIVISION TO BE RECORDED	1.0768 ACRES±

OWNERS:
TRUMAN L. & LAVINIA W. KELLEY
HAPPY HILL FARM
1400 LONG CORNER ROAD
MT. AIRY, MD 21771-3821

CONTRACT PURCHASER:
LEONARD & LINDA LANG
5506 WIDOMICO DRIVE
NEW MARKET, MD 21774

RECORDED AS PLAT # 13278
ON Aug 12, 1998 AMONG THE LAND RECORDS OF HOWARD COUNTY, MD.

APPROVED: FOR PRIVATE WATER & PRIVATE SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
Joseph M. Boyd 7/21/98
COUNTY HEALTH OFFICER DATE

OWNER'S CERTIFICATE
WE, TRUMAN L. KELLEY AND LAVINIA W. KELLEY, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES AND GRANT UNTO HOWARD COUNTY, MARYLAND ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS WATER PIPES AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE; AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE; AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED IN OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY. WITNESS OUR HANDS THIS 13TH DAY OF APRIL, 1998.
Truman L. Kelley 4/13/98
TRUMAN L. KELLEY DATE
Lavinia W. Kelley 4/13/98
LAVINIA W. KELLEY DATE
Julie A. Sumner 4/13/98
WITNESS DATE




SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A RESUBDIVISION OF PART OF THE LAND CONVEYED BY LESLIE N. KELLEY AND MARGUERITE ENN KELLEY TO TRUMAN L. KELLEY AND LAVINIA W. KELLEY BY EED DATED NOVEMBER 15, 1967 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 479, FOLIO 4, AND THAT ALL MONUMENTS ARE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.
Scott Shanaberger 4/13/1998
G. SCOTT SHANABERGER DATE
PROFESSIONAL L.S. #10849

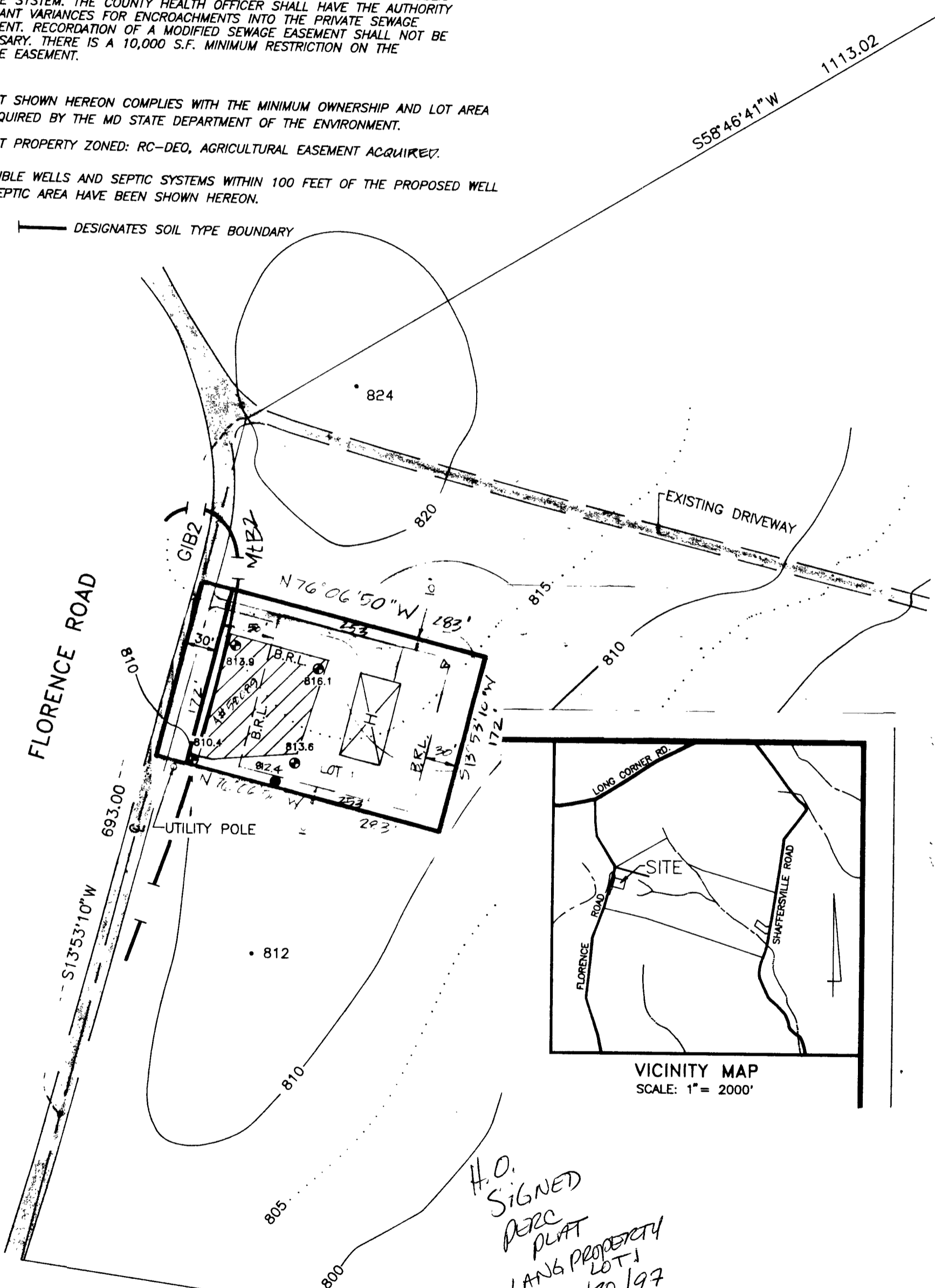
SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 104
ELLCOTT CITY, MD 21043
(410) 461-9563

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Julie A. Sumner 7/23/98
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Joseph M. Boyd 8/11/98
DIRECTOR DATE

FINAL PLAT
LOT 1
LANG PROPERTY
4TH ELECTION DISTRICT, HOWARD COUNTY, MD
TAX MAP 8 BLOCK 12 PARCEL 39
ZONED: RC-DEO
SCALE: 1"=100'
DATE: APRIL 2, 1998
PREVIOUS DPZ FILES: F-94-131
SHEET 1 OF 1

NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM HOWARD COUNTY 1"=200' AERIAL PHOTOGRAMMETRY AND SHOULD BE FIELD VERIFIED.
2. B.R.L. DESIGNATES BUILDING RESTRICTION LINE
- 541.4 ● DESIGNATES APPROVED PERC TEST AND FIELD RUN ELEVATION
- 541.4 ○ DESIGNATES FAILED PERC TEST AND FIELD RUN ELEVATION
- △ DESIGNATES PROPOSED WELL
- ☒ DESIGNATES PROPOSED HOUSE
3.  THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. THERE IS A 10,000 S.F. MINIMUM RESTRICTION ON THE SEWAGE EASEMENT.
4. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP AND LOT AREA AS REQUIRED BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT.
5. SUBJECT PROPERTY ZONED: RC-DEO, AGRICULTURAL EASEMENT ACQUIRED.
6. ALL VISIBLE WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPOSED WELL AND SEPTIC AREA HAVE BEEN SHOWN HEREON.
6.   DESIGNATES SOIL TYPE BOUNDARY



H.O. SIGNED
 PERC
 PLAT
 LAND PROPERTY
 LOT 1
 9/30/97
 DKS
 KN

SHANABERGER & LANE
 8726 TOWN & COUNTRY BLVD.
 SUITE 104
 ELLICOTT CITY, MD. 21043
 (410) 461-9563

AKA Truman Kelley
 Property

C1 09496 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)
 ST/CO USE ONLY
 DATE RECEIVED 12/18/97
 DATE WELL COMPLETED 12/18/97
 PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-94-1316

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 A 58089

OWNER Lang Leonard
 STREET OR RFD Florence Rd.
 SUBDIVISION Longwood SECTION LOT 1
 TOWN Mt. Airy

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
	FROM	TO	
NEK BURDEN	0'	30'	
SLATE	30'	140'	✓
WATER BEARING SLATE	140'	400'	✓
DRY HOLE	300'	FILLED WITH	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
 TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC)
 NO. OF BAGS 10 NO. OF POUNDS 457
 GALLONS OF WATER 30
 DEPTH OF GROUT SEAL (to nearest foot) 43
 from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 (S) STEEL (C) CONCRETE (P) PLASTIC (O) OTHER

MAIN CASING TYPE
 Nominal diameter top (main) casing (nearest inch) 6
 Total depth of main casing (nearest foot) 43

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

SCREEN RECORD
 screen type or open hole (S) STEEL (B) BRASS (H) OPEN HOLE (P) PLASTIC (O) OTHER

NUMBER OF UNSUCCESSFUL WELLS: 1
 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. M D 0312
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. M S D 0312

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

C2 DEPTH (nearest ft.)

8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51

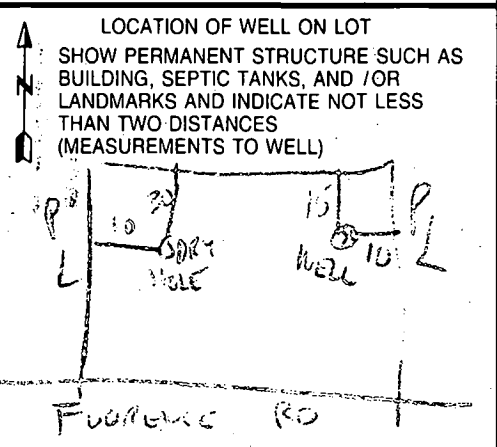
DIAMETER OF SCREEN (NEAREST INCH) 56 to 60

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
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3 PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min.) 789
 METHOD USED TO MEASURE PUMPING RATE PULSER TIME
 WATER LEVEL (distance from land surface) BEFORE PUMPING 64 ft. WHEN PUMPING 97 ft.
 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED
 DRILLER WILL INSTALL PUMP (CIRCLE) YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
 PUMP HORSE-POWER 37 41
 PUMP COLUMN LENGTH (nearest ft.) 43 47
 CASING HEIGHT (circle appropriate box and enter casing height) (+) above (−) below LAND SURFACE 2 (nearest foot)



B 1 **1863** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 APPLICATION FOR PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-1316
 fill in this form completely

OWNER INFORMATION
 Date Received (APA) **101997**
LANG LEONARD
 15 Last Name 34 Owner First Name
5506 Wicomico PR
 36 Street or RFD 55
NEW MARKET MD 21779
 57 Town 70 State 72 Zip 76

DRILLER INFORMATION
 Driller's Name **Austin Garver** MSD/MGD/MWD
 License No. **0957**
 Firm Name **Kayser-Lower Well Drilling Inc.**
 Address **9125-B Belle Rd Frederick, Md 21702**
 Signature **Austin Garver** Date **10/10/97**

WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **2**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **800**

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)

APPROXIMATE DEPTH OF WELL **400** FEET
 APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST

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

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER **GAP**
 FORCE **DS** WRITE INITIALS IN BOX PERMIT No. **HO-94-1316**

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

LOCATION OF WELL
HOWARD COUNTY
LANG PROPERTY SUBDIVISION
 SECTION **1** LOT **1**
LONG CORNER NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **1** MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 DISTANCE FROM ROAD **230** FT
 TAX MAP **6** BLK. _____ PARCEL **39**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME **Howard** COUNTY NO. **A 58089**
 STATE SIGNATURE _____ DATE ISSUED **103097** SIGNATURE **Doreen Joe** EXP. DATE **10/29/98**
 NORTH GRID **546000** EAST GRID **0760000**

