

FROM : HoCo EnvHealth

FAX NO. : 4103132648

Nov. 21 2000 08:14AM P1

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: C. MAYES P&H Telephone #: 410 923 0510
Address: 638 NACIL AVE
MILLERSVILLE, MD
21108

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation: License# 3276
Name (Print): CHARLES MAYES
* A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: FRANK & SHARON COLE Telephone #: _____
Subdivision: POTOMAC GOLF Lot #: 5 Well Tag #: HO 94-2311
Site Address: 13545 POTOMAC GOLF DR.

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: MAYES Make: X106 Two piece watertight cap: YES
Model #: 25752-8 Model #: CAMPBELL Screened, vented well cap: YES
Pump Capacity 10 GPM Depth: 92" (36' min) Cap secured to casing: YES
Well Yield: 15 GPM NSF approved: YES Conduit min 18" E.G.: YES
Depth of well encountered at time of pump installation: 180 feet Conduit secured to well cap: YES
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt YES

Piping to house House Connection
Type: POLY PVC sleeved to undisturbed soil at wall penetration: YES
PSI: 160 (160 psi min) " Approximate length of sleeve: 4'
Depth of supply line: 12 (36" min) Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Charles Mayes C. MAYES P&H 11-20-00
Signature of company representative responsible for installation date

For Health Department Use Only - Not to be completed by installer

Date Insp Requested: 10/27/00 Date Insp. Approved: 10/27/00 CW SRK
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 2" above finished grade
Water supply line sleeved adequately at house connection
Adequate ground observed below pitless adapter

APPLICATION

PERCOLATION TESTING

A 49396

P _____

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

DISTRICT _____

DATE 7/7/93

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 SUSAN Scheidt Frank & Sharon Coale

ADDRESS 12730 HALLS SHOP ROAD HIGHLAND MD. 20777 PHONE 531-2326

AGENT OR PROSPECTIVE BUYER FISHER COLLINS AND CARTER INC.

ADDRESS 9171 BALTIMORE NATIONAL PIKE SUITE 100 ELLICOTT CITY MD. 21042 PHONE 461-2855

PROPERTY LOCATION:

SUBDIVISION PATERNAL GIFT LOT NO. 5

ROAD AND DESCRIPTION HALLS SHOP ROAD / 216 & 108
(13543 Paternal Gift Drive)

TAX MAP 40 PARCEL # 396, 179 & 90

APPLICANT SIGNATURE AND RETURNED 1-5-90
Susan E. Bro 121977
S.F.D. - 4 Bin
(SINGLE FAMILY DWELLING OR COMMERCIAL)

SIZE OF LOT 1 AC. ± TYPE BLDG. _____

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. Zacharia G. Fisch (Agent)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

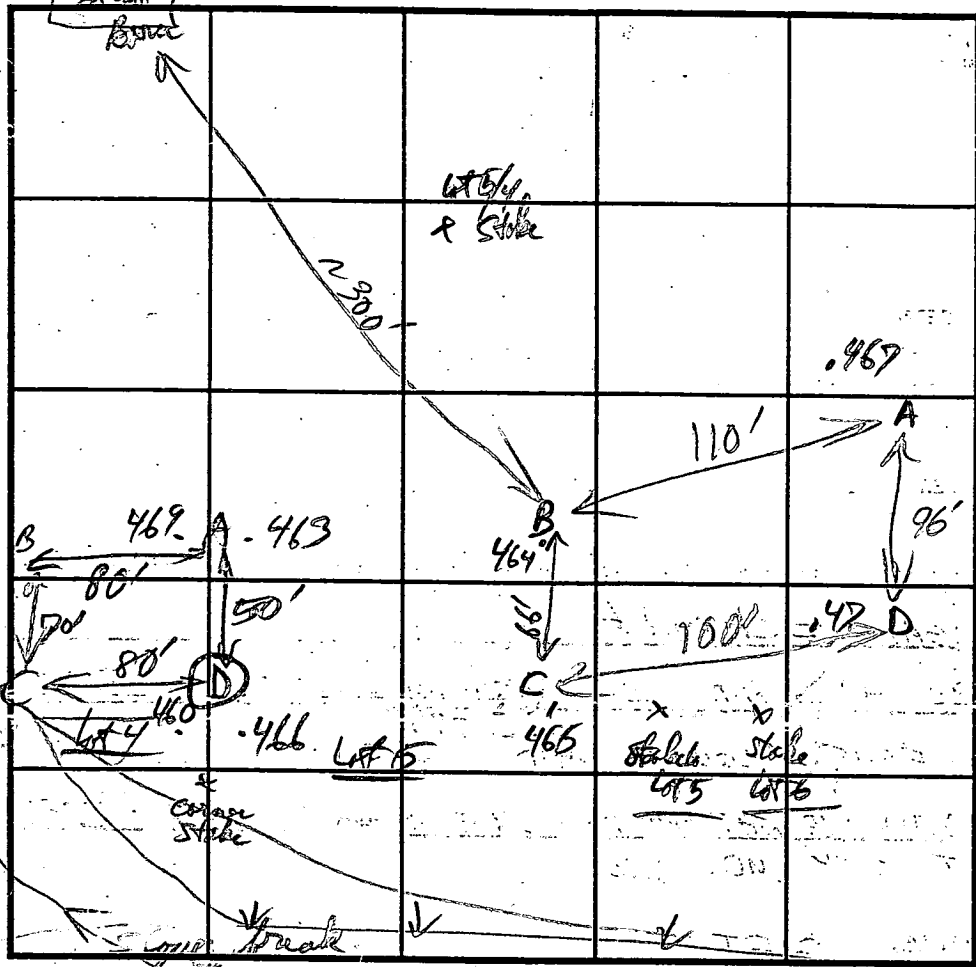
REASONS FOR REJECTION OR HOLDING _____

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

476 49396
COUNTY #



SOIL PROFILE
464 B
0'
Red clay
5 1/2'
Red Brn
Sandy
13'
loam

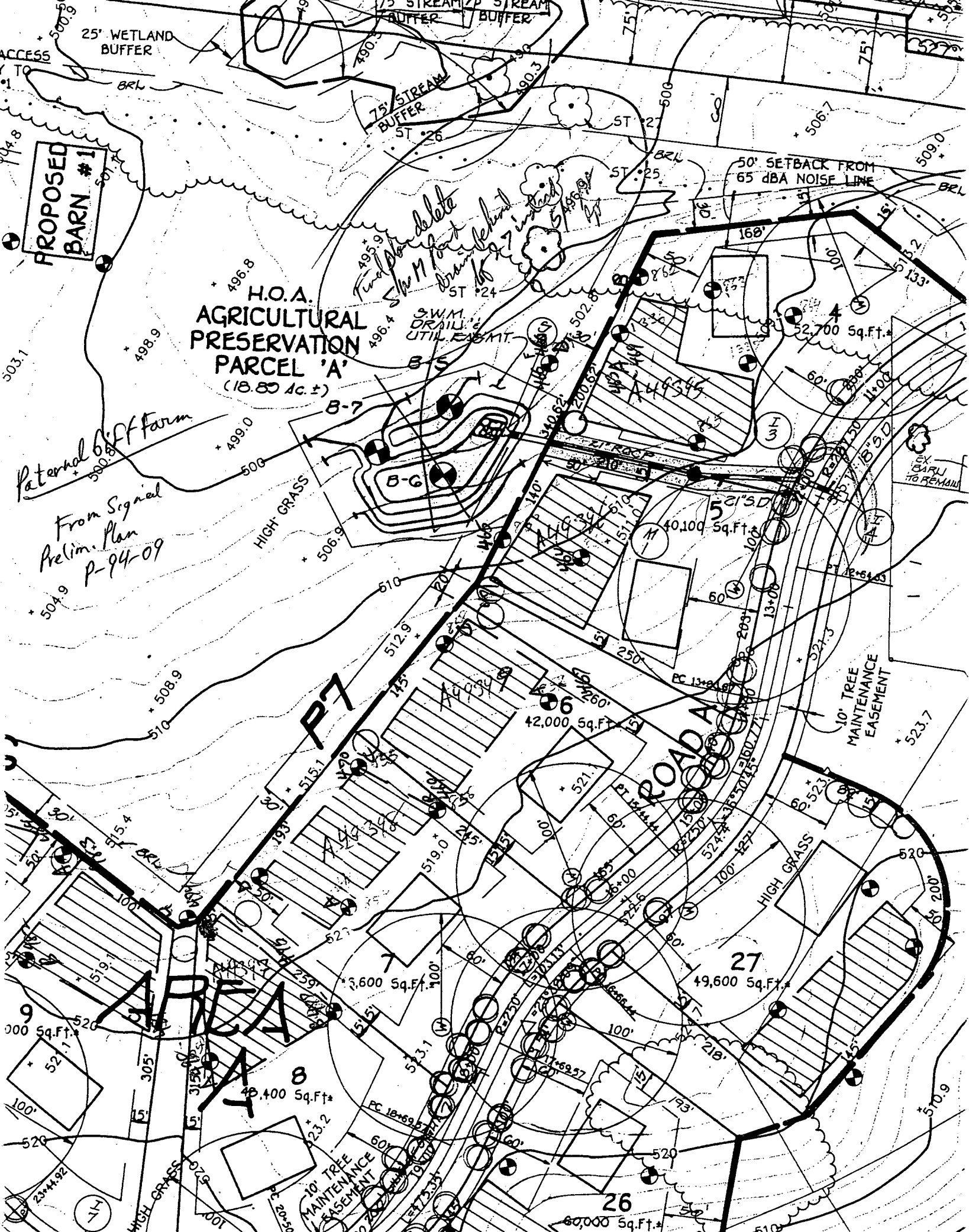
SOIL PROFILE
D
0'
Red
Red Brn
Clay loam
9'
var. dark
12'
Clay (Brn) & wet
water @ 12'

Soil
B
464

463 A
Red clay
-hd
5-7'
Brn Brn
Mid Brn
Mica loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-7-93	464 B	6'	2:37:49	2:40:35	2:40:25	2:46:30	Brn OK
		13'					
	465 C	5 1/2'	2:46:00	2:52:00		2:59:00	7min OK
		✓					
	463 A	5 1/2' rekey 9'	3:26:00	3:28:00	3:28:00	3:31:43	3min
		12 1/2'					
	466 (D)	Not	water @ 12'				
		✓ Tested	No percolation 9' SL		dark soil + wet 9-12		Fail

REMARKS See also tests for lot 4 and later tests by Ray Hodges
 TYPE OF SOIL Chester
 TESTED BY R. Kelly ALSO PRESENT
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH
 INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM



PROPOSED BARN #1

H.O.A. AGRICULTURAL PRESERVATION PARCEL 'A' (18.80 Ac. ±)

Paternal Cliff Farm
From Signal Prelim. Plan P-94-09

P7

ROAD A

10' TREE MAINTENANCE EASEMENT

9
40,400 Sq.Ft.

8
49,600 Sq.Ft.

7
60,000 Sq.Ft.

27
49,600 Sq.Ft.

26
60,000 Sq.Ft.

52,700 Sq.Ft.

40,100 Sq.Ft.

42,000 Sq.Ft.

3,600 Sq.Ft.

40,400 Sq.Ft.

49,600 Sq.Ft.

60,000 Sq.Ft.

Frank and Sharon Coale
14428 Bradshaw Drive
Silver Spring, MD 20905
301-989-8692

September 7, 1999

Mr. Ronald J. Pinkley
Howard Co. Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043

Dear Mr. Pinkley,

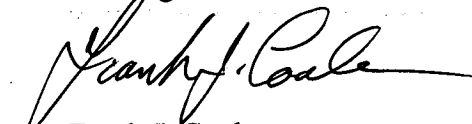
Thank you very much for your time when I stopped in your office last week. Your suggestions and guidance regarding how to shift the designated location of the septic field for our new house were very helpful.

Location: 13545 Paternal Gift Drive, Highland, MD 20777
Lot 5, Grid 11, Map 40, Paternal Gift Farm

Proposal: Expand north and east boundaries of the original septic field and delete an area directly behind (north) of proposed house site to accommodate construction including two elevated decks. The proposed expansion will encompass approximately 3,280 ft² and the proposed deletions will amount to approximately 2,850 ft². The net result will be an increase in designated septic field area of approximately 430 ft². Please see attached revised plat map.

Thank you for your consideration of this proposal. Please let me know of any additional comments or suggestions you may have. I look forward to receiving notification of your acceptance of the proposed changes.

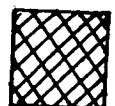
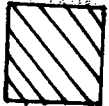
Best regards,


Frank J. Coale

*Proposed change in
SDA is acceptable pending
a reasonable # of bedrooms & BP Appl.
PP 9/8/99*

PROPOSED ADDITIONS
APPROX. 3,280 ft²

PROPOSED DELETIONS
APPROX. 2,850 ft²



LOT 4

52,266 Sq.Ft.*

LOT 5

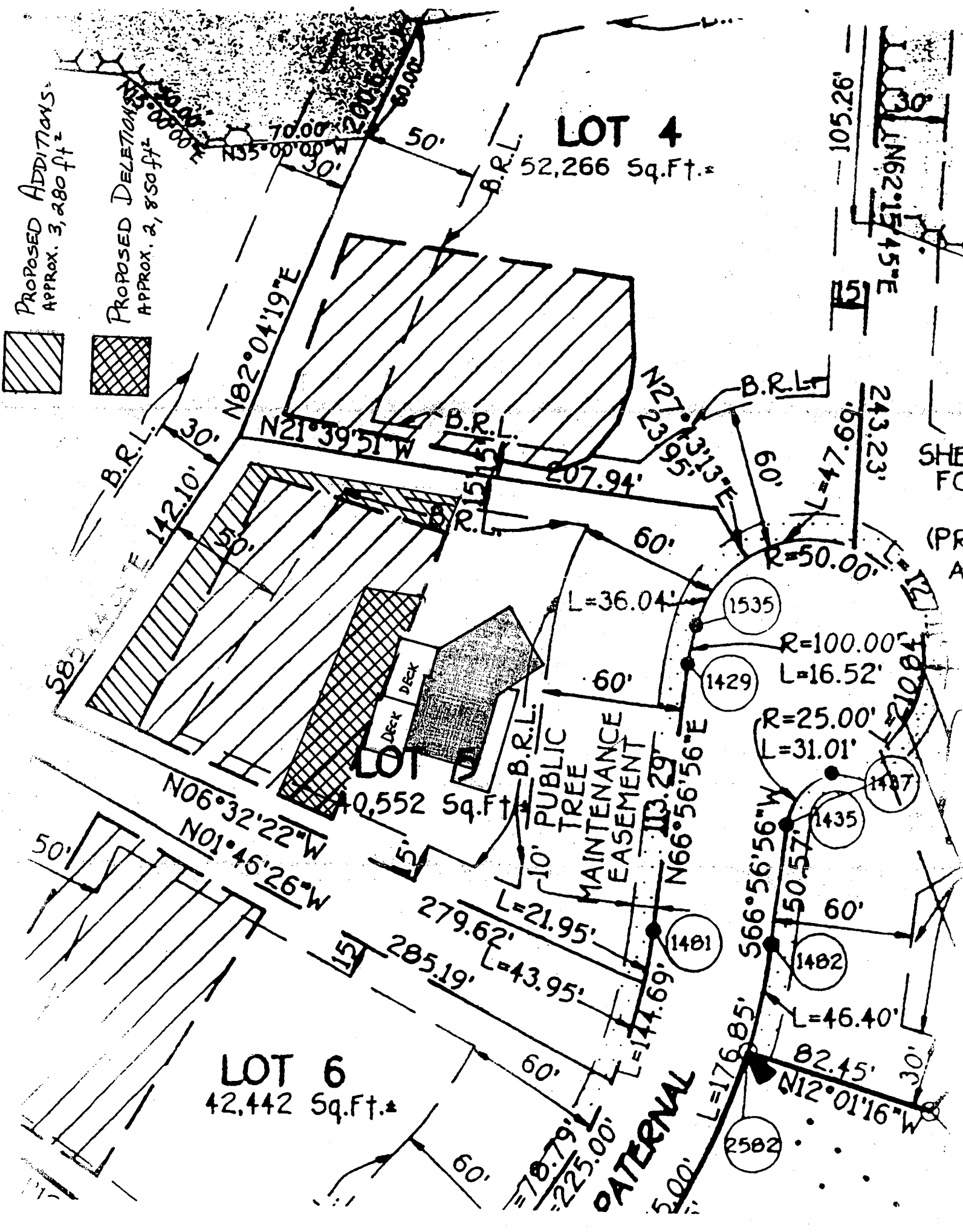
4,052 Sq.Ft.

LOT 6

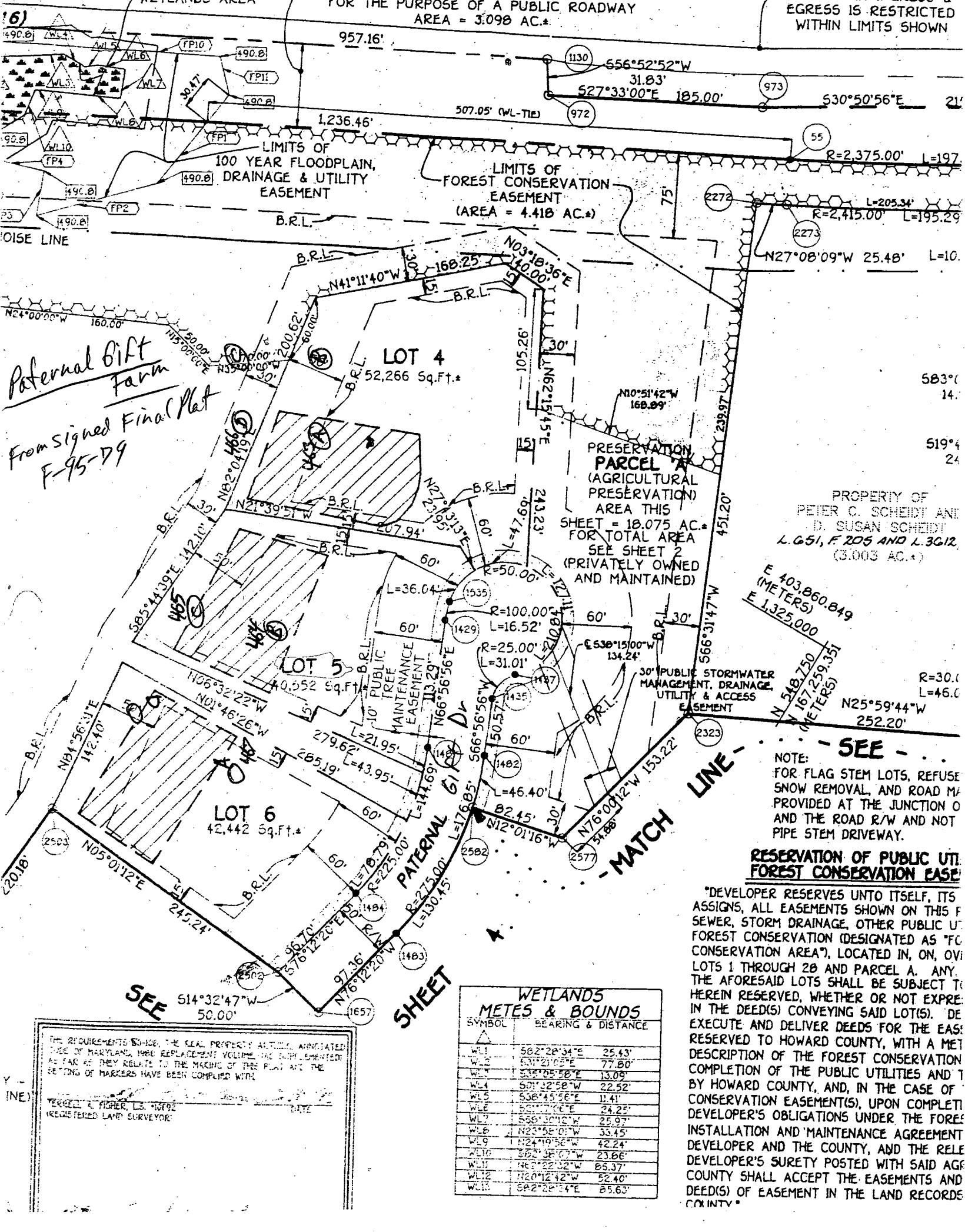
42,442 Sq.Ft.*

10' PUBLIC TREE MAINTENANCE EASEMENT

INTERNAL



SHE
FC
(PR
A



6) WETLANDS AREA FOR THE PURPOSE OF A PUBLIC ROADWAY AREA = 3.098 AC.±

EGRESS IS RESTRICTED WITHIN LIMITS SHOWN

957.16'

556°52'52"W 31.83'

527°33'00"E 185.00'

530°50'56"E 21'

507.05' (WL-TIE)

972

973

1130

1236.46'

507.05' (WL-TIE)

972

973

55

R=2,375.00' L=197'

2272

L=205.34'

R=2,415.00' L=195.29'

2273

N27°08'09"W 25.48' L=10'

NOISE LINE

B.R.L.

LIMITS OF 100 YEAR FLOODPLAIN, DRAINAGE & UTILITY EASEMENT

LIMITS OF FOREST CONSERVATION EASEMENT (AREA = 4.418 AC.±)

LOT 4 52,266 Sq.Ft.±

LOT 5 40,552 Sq.Ft.±

LOT 6 42,442 Sq.Ft.±

PATERNAL GIFT Farm

From Signed Final Plat F-95-79

PRESERVATION PARCEL A (AGRICULTURAL PRESERVATION) AREA THIS SHEET = 18.075 AC.± FOR TOTAL AREA SEE SHEET 2 (PRIVATELY OWNED AND MAINTAINED)

PROPERTY OF PETER C. SCHEIDT AND D. SUSAN SCHEIDT L.G.51, F.205 AND L.3G12 (3.003 AC.±)

E 403,860.849 (METERS)

E 1,325,000 (METERS)

N 518,750 (METERS)

N 167,259.351 (METERS)

SEE

NOTE: FOR FLAG STEM LOTS, REFUSE SNOW REMOVAL, AND ROAD MAINTENANCE PROVIDED AT THE JUNCTION OF THE ROAD R/W AND NOT PIPE STEM DRIVEWAY.

RESERVATION OF PUBLIC UTILITY FOREST CONSERVATION EASEMENT

"DEVELOPER RESERVES UNTO ITSELF, ITS ASSIGNS, ALL EASEMENTS SHOWN ON THIS PLAT FOR SEWER, STORM DRAINAGE, OTHER PUBLIC UTILITIES AND FOREST CONSERVATION (DESIGNATED AS "FOREST CONSERVATION AREA"), LOCATED IN, ON, OVER OR ADJACENT TO LOTS 1 THROUGH 20 AND PARCEL A. ANY EASEMENTS HEREBY RESERVED, WHETHER OR NOT EXPRESSLY SET FORTH IN THE DEED(S) CONVEYING SAID LOT(S), SHALL BE EXECUTED AND DELIVERED DEEDS FOR THE EASEMENTS RESERVED TO HOWARD COUNTY, WITH A METE AND DISTANCE DESCRIPTION OF THE FOREST CONSERVATION AREA, UPON COMPLETION OF THE PUBLIC UTILITIES AND INSTALLATION AND MAINTENANCE AGREEMENT BETWEEN DEVELOPER AND THE COUNTY, AND THE RELEASE OF DEVELOPER'S SURETY POSTED WITH SAID AGREEMENT. COUNTY SHALL ACCEPT THE EASEMENTS AND DEED(S) OF EASEMENT IN THE LAND RECORDS OF HOWARD COUNTY."

WETLANDS METES & BOUNDS

SYMBOL	BEARING & DISTANCE
WL1	S62°28'34"E 25.43'
WL2	S31°23'05"E 77.80'
WL3	S35°05'58"E 13.09'
WL4	S01°32'58"W 22.52'
WL5	S38°45'56"E 11.41'
WL6	S21°17'06"E 24.25'
WL7	S66°30'12"W 25.97'
WL8	N25°58'01"W 33.45'
WL9	N24°19'58"W 42.24'
WL10	S22°38'07"W 23.86'
WL11	N63°22'02"W 85.37'
WL12	N20°12'42"W 52.40'
WL13	S62°28'34"E 85.63'

SEE SHEET

THE REQUIREMENTS OF THE REAL PROPERTY ACTS, ANNOTATED CODE OF MARYLAND, 1986 REPLACEMENT VOLUME AND SUPPLEMENTED AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

TERENCE E. FISHER, L.S. 10092 DATE

REGISTERED LAND SURVEYOR

320

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 49396

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 7/22/99

Depth of Well 22 500 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2311

OWNER Scheidt Susan STREET OR RFD Paternal Gift Drive TOWN Near Highland SUBDIVISION Paternal Gift Farm SECTION LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for top soil, red shaly clay, brown shale, sand stone, mica, quartz, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 16, NO. OF POUNDS 1600, GALLONS OF WATER 96, DEPTH OF GROUT SEAL 0 to 45 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter top (main) casing 6, Total depth of main casing 55.

OTHER CASING (if used) table with columns: diameter, depth (feet) from, to.

SCREEN RECORD: screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 53, 200.

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

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...

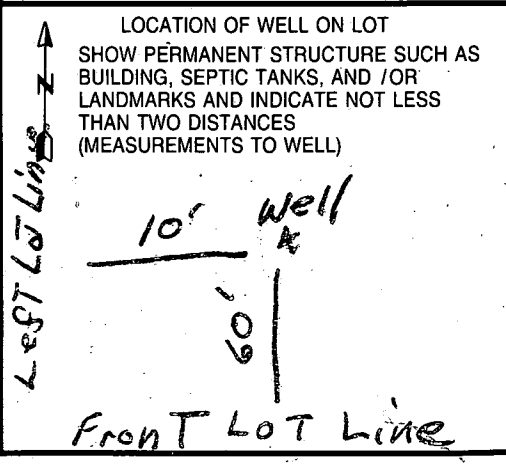
DRILLERS LIC. NO. 1 MWD 040, DRILLERS SIGNATURE (Bevan F. Korteley), LIC. NO. 1 MWD 501, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

DEPTH (nearest ft.) table with columns 1-21, SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (NEAREST INCH) 56, 60.

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

PUMPING TEST: PUMPING TEST, HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 15, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 29 ft, WHEN PUMPING 80 ft, TYPE OF PUMP USED (for test) 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) 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 16309

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2311 fill in this form completely

Date Received (APA)

OWNER INFORMATION RN 7893

B 3

Howard

LOCATION OF WELL

CCM

8 MM DD YY 13

Scheidt

Susan

15 Last Name Owner First Name 34

12730 Hall Shop

36 Street or RFD 55

Highland, Md. 20777

57 Town 70 State 72 Zip 76

8 COUNTY 21

Paternal Gift Farm

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

Highland

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78

DRILLER INFORMATION

George F. Easterday

M W 040

Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.

Firm Name

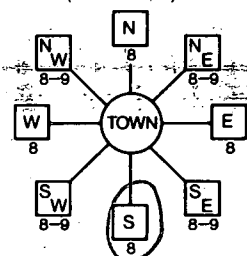
9265 Brown Church Rd.. MT. Airv. Md. 21771

Address

Signature Date 6/19/1999

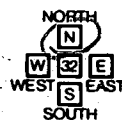
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Paternal Gift Drive

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 100 Ft. ENTER FT OR MI 38 39

TAX MAP: 40 BLK: 11 PARCEL

B 2

WELL INFORMATION

5

APPROX. PUMPING RATE (GAL. PER MIN.)

8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled)
Farming (Livestock Watering & Agricultural Irrigation)
Industrial, Commercial, Dewatering
Public Water Supply Well
Test, Observation, Monitoring
Geo-Thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard

49396

COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S

DATE ISSUED 07 07 99 Steven R. King 07 07 00

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 489 000 EAST GRID 812 000

APPROXIMATE DEPTH OF WELL 300 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 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 DEEPEN 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)

APPROX. PERMIT NUMBER 54 GAP 63

PERMIT No. HO-94-2311

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. wells
2.
3.

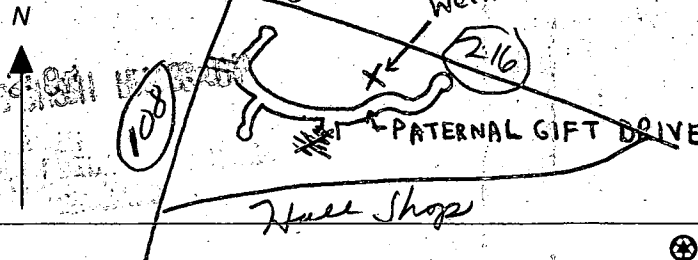
WRITE THE BOX NUMBER FROM THE MAP HERE

E 810.2 N 480.9

Handwritten notes: 7/22/99 - location OK, # of Bags of portland cement, # of Bags of easy seal, 45' open hole ss casing, OBSERVED ENTIRE GROUT - SRK

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

MAP 18 c1



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

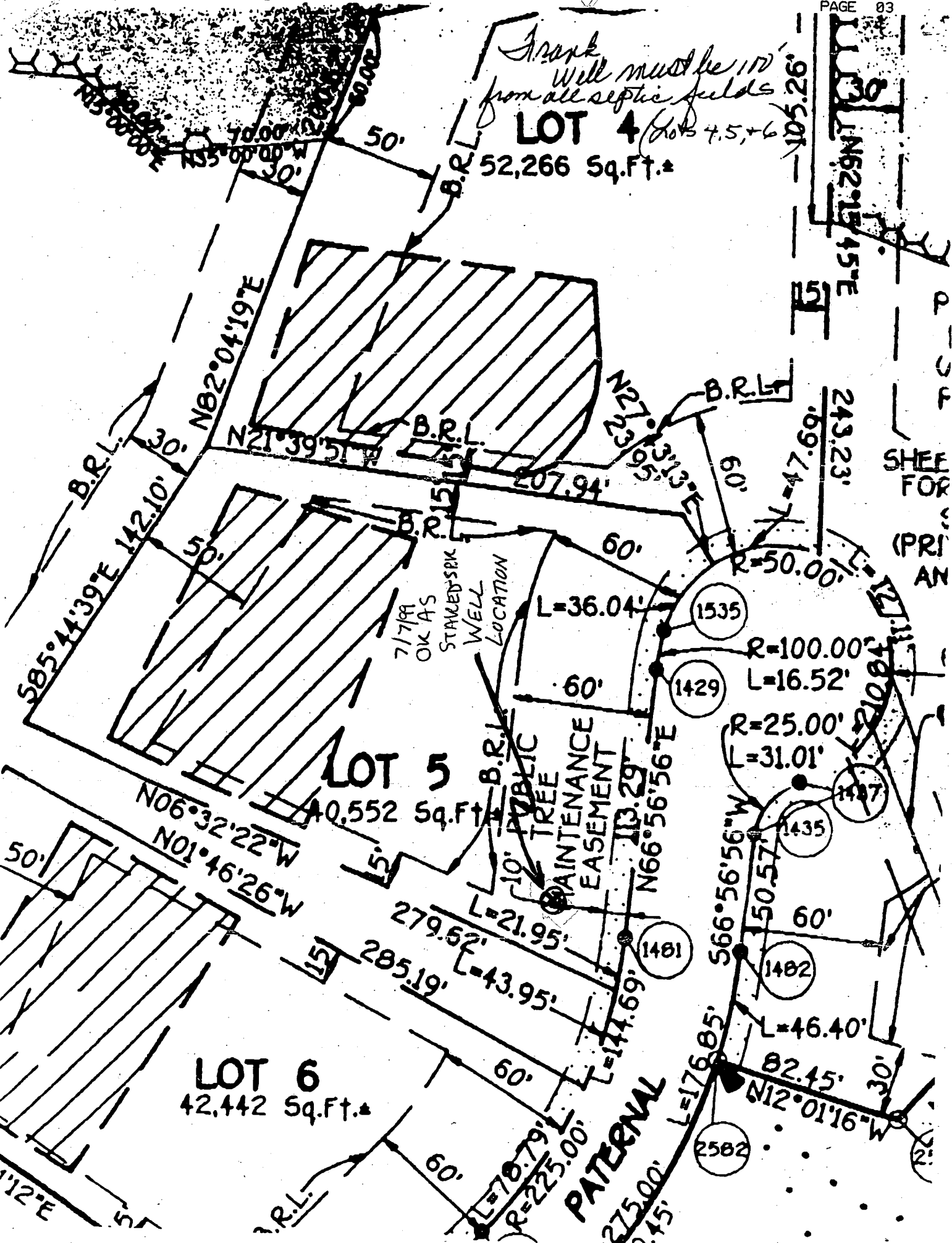
Frank
Well must be 100'
from all septic fields

LOT 4
52,266 Sq.Ft.±
(Lots 4, 5, + 6)

1133
LN 62.15/45°E

243.23'

SHEET FOR
(PRI AN



LOT 6
42,442 Sq.Ft.±

LOT 5
40,552 Sq.Ft.±

PATERNAL

10' PUBLIC TREE MAINTENANCE EASEMENT

7179A
OK AS
STAVED SPIK
WELL
LOCATION

- 1535
- 1429
- 1481
- 1482
- 1435
- 1487
- 2582
- 1260

