

4/22/97
Septic C.O.
+ WPTI 1pm

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

03-317889

P 57669

A 56548

DISTRICT 3rd

DATE 2/7/97

DATE SYSTEM APPROVED 4/22/97

INSPECTOR [Signature]

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
~~461-8838~~ 313-2640

William H. Smith, Jr. IS PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 330, Forest Hill, Maryland 21050 PHONE 879-7641

SUBDIVISION Spring Valley Chase LOT 52 ROAD 12132 Deer Haven Road

PROPERTY OWNER Milan Matus/Deborah Peterson

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 4.0 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting at the right lot corner at the Access Road, place the distribution box 95 feet up the right (455.11') lot line and 155 feet off this same lot line as seen when facing the lot from the Access Road. Run trenches on 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. OK 9/17/96 DKS

PLANS APPROVED BY Donna K. Soe DATE 09/13/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

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

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

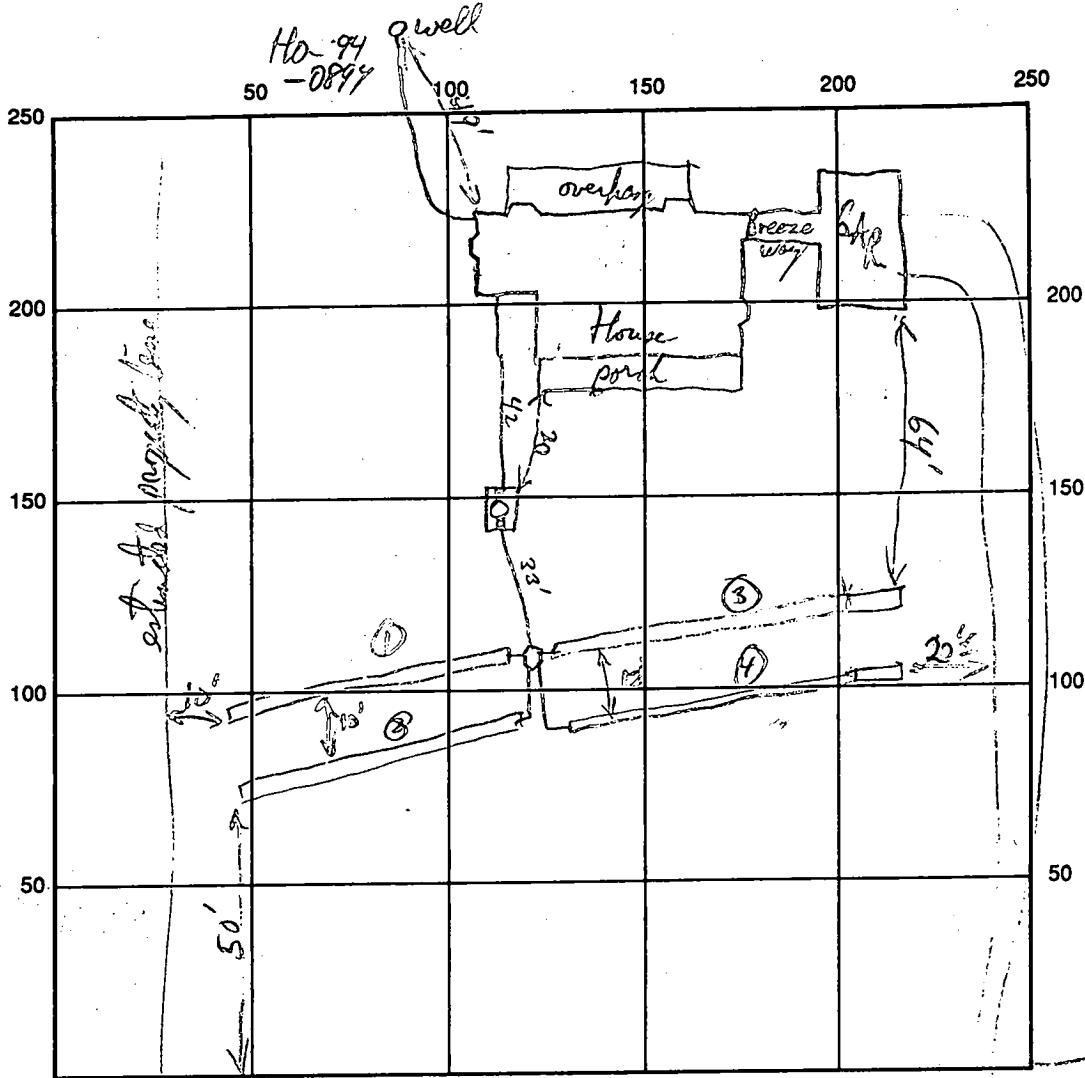
PERMIT VOID AFTER TWO YEARS

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

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 56548



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
 Deer Haven Rd

SEPTIC TANK LEVEL 1250 gld ok CLEANOUTS ✓ S.T.
 DISTRIBUTION BOX LEVEL ✓
 DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 69/60/60/60 FT.
 NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.
 DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA _____ SQ. FT.

REMARKS: Last trench OK to gravel fill, OK to use system as designed.
House Comm. started 4/22/97

WPI - Pitless adapter and water line OK 4/22/97
 DATE SYSTEM APPROVED 4/22/97 INSPECTOR RJP

4/16/96
1130

APPLICATION

PERCOLATION TESTING

A 56548

P _____

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

PREVIEW OK
PROPOSAL IS
TO ADJUST
SEPTIC DOWNHILL
TO EXTENT POSSIBLE. (CW)

DISTRICT _____

DATE 4-8-96

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.

PROSPECTIVE BUYER MILAN S. MATUS / Deborah Peterson
PROPERTY OWNER _____

ADDRESS 20 TURK GALT CATONSVILLE MD 21228 PHONE 410 571 1221

OWNER (DEVELOPER OF SUBDIVISION)
AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION SPRING VALLEY CHASE LOT NO. 52

ROAD AND DESCRIPTION 12132 DEER HAVEN ROAD

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____

BLDG. PERMIT SIGNED
AND RETURNED 9/13/96
Septic # 800101929
S.F.D. - 4 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.

Milan S. Matus
(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

56548
COUNTY #

SOIL PROFILE

①

0'
1' topsoil
4.5'-5' or red br cl lm
14' 1+ or br to 1+ br si lm w/frags
10%+ rock frags

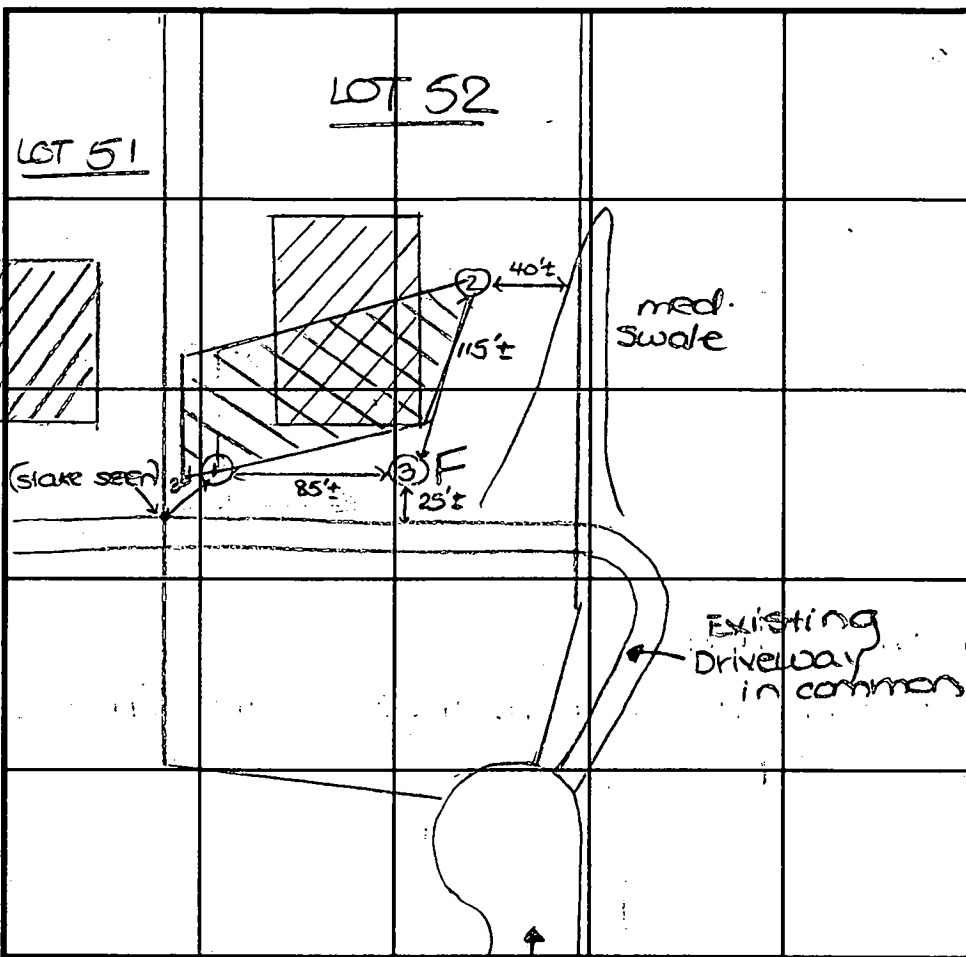
②

0'
1' topsoil
4'-4.5' or red br cl lm
14' 1+ or br to 1+ br si lm w/shale frags
25%+ rock frags

③

0'
1' topsoil
4.5'+ or red br cl lm
7' 1+ br to 1+ brgy si lm w/frags
heavy frags (>50%)
0'8" water

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
End of Deer Haven Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4-16-96	1	5.0'S	1:49	1:54	1:54	2:03	9	
		14.0'D	Visual - See profile					
	2	4'8"S	2:24	2:27	2:27	2:32	5	
		14.0'D	Visual - See profile					
	3	10'8"D	Water - See profile					F

REMARKS = approx. configuration of new septic area
 = approx. existing septic area

TYPE OF SOIL _____
TESTED BY D. Soe ALSO PRESENT owner, builder
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7 TRENCH WIDTH 3'
INLET DEPTH 4.0' MAXIMUM BOTTOM DEPTH 6.0' SQ. FT./BEDROOM 180

APPLICATION

PERCOLATION TESTING

A 43985
P _____

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

DISTRICT 3RD
DATE 4-17-89

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 Miller - built ~~Trinity Builders~~

ADDRESS 10480 Littlepatuxent parkway suite 600 PHONE 410-313-8722
COLUMBIA Md. 21044 264-2023

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION ALBEE FARM (A RESUB. OF LOTS 28-33) LOT NO 48

ROAD AND DESCRIPTION ~~12109 Ditch Haven Road~~

TAX MAP 9 & 10 PARCEL # 110 & 294 BLDG. PERMIT SIGNED AND RETURNED 5/11/95
SIZE OF LOT 3.76 AC. ± TYPE BLDG Serial # 59403 S.F.D - 4Bms
(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.

Paul J. P. 3-29-89
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 5/15 for house into well into perc
unapproved CBS

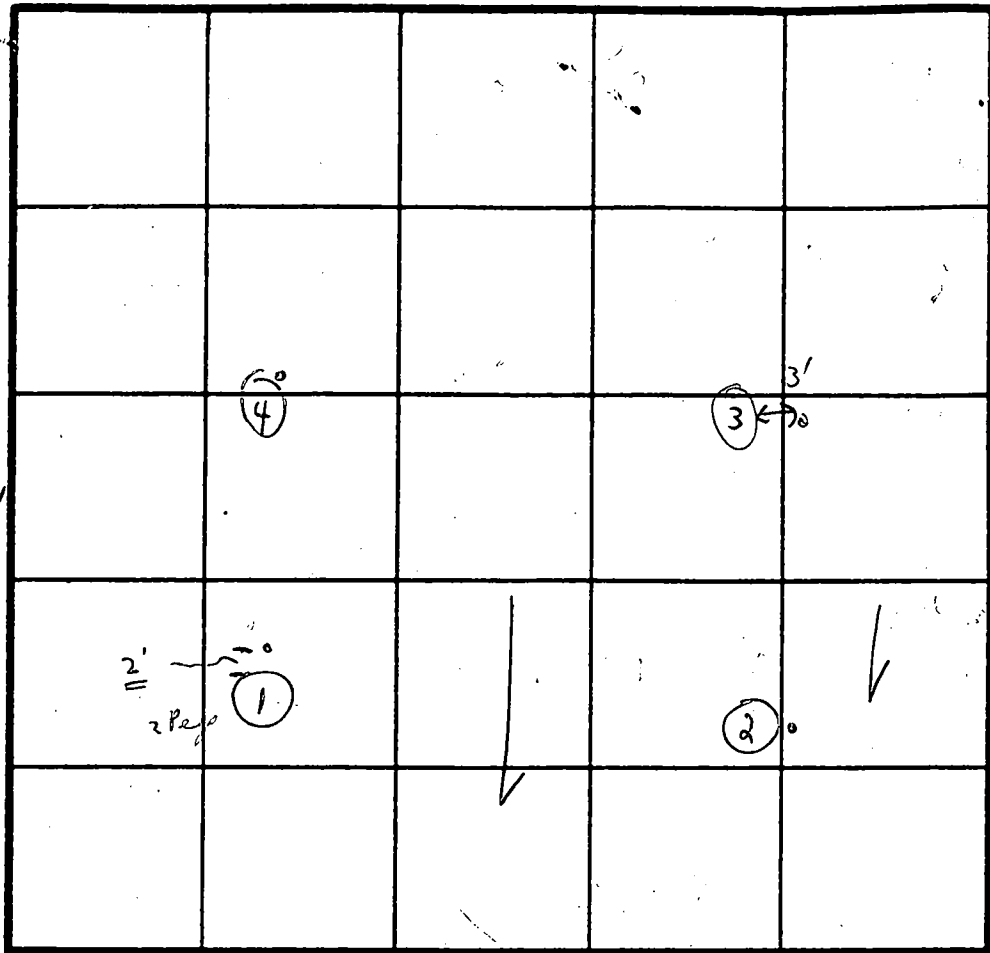
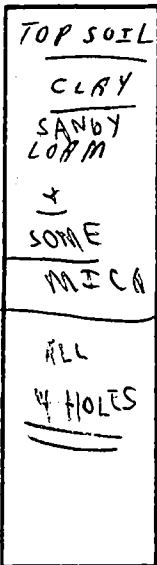
HD-216

THIS IS NOT A PERMIT

#48

R# 43985

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
5/15/89	①	5'	11:42	11:43	11:43	11:44	1m
Mondo	①	13'		LOAM			
3' Loam	②	4'	11:45	11:46	11:46	11:48	2m
	②	13'					
	③	4'					
	③	12' 10"		Sandy		Loam	
	④	4 1/2'	11:54	11:55	11:55	11:57	2m ±
	④	8m	11:50	11:52	11:52	11:54	2m ±
		13' 3"					

REMARKS 5/15 Tests in woods (heavy)

TYPE OF SOIL Tests per stakes

TESTED BY C.B. [Signature]

ALSO PRESENT { Mr. Cash FLEURY
[Signature]
[Signature]
[Signature] }

C1 1300

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER A56548

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

Grid for ST/CO USE ONLY DATE Received

08 21 196

500 (TO NEAREST FOOT)

HO-94-0894

OWNER Encore Builders last name Deer Haven Rd. first name TOWN Marriottsville SUBDIVISION Spring Valley Chase SECTION LOT 52

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 TO Check if water bearing

Sand 0 76 Gray Mica Rock 76 500

2 dry wells 400' 500' filled in with cement + drilling materials

GROUTING RECORD

WELL HAS BEEN GROUTED YES (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 20 ft.

CASING RECORD

casings types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE SH Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 80

OTHER CASING (if used)

Table for OTHER CASING with columns for diameter inch and depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below ST BR HO STEEL BRASS BRONZE OPEN HOLE PL OT PLASTIC OTHER

C2

DEPTH (nearest ft.) 78 500 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

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/O 70 72 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) 207 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 35 WHEN PUMPING 430 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED

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

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

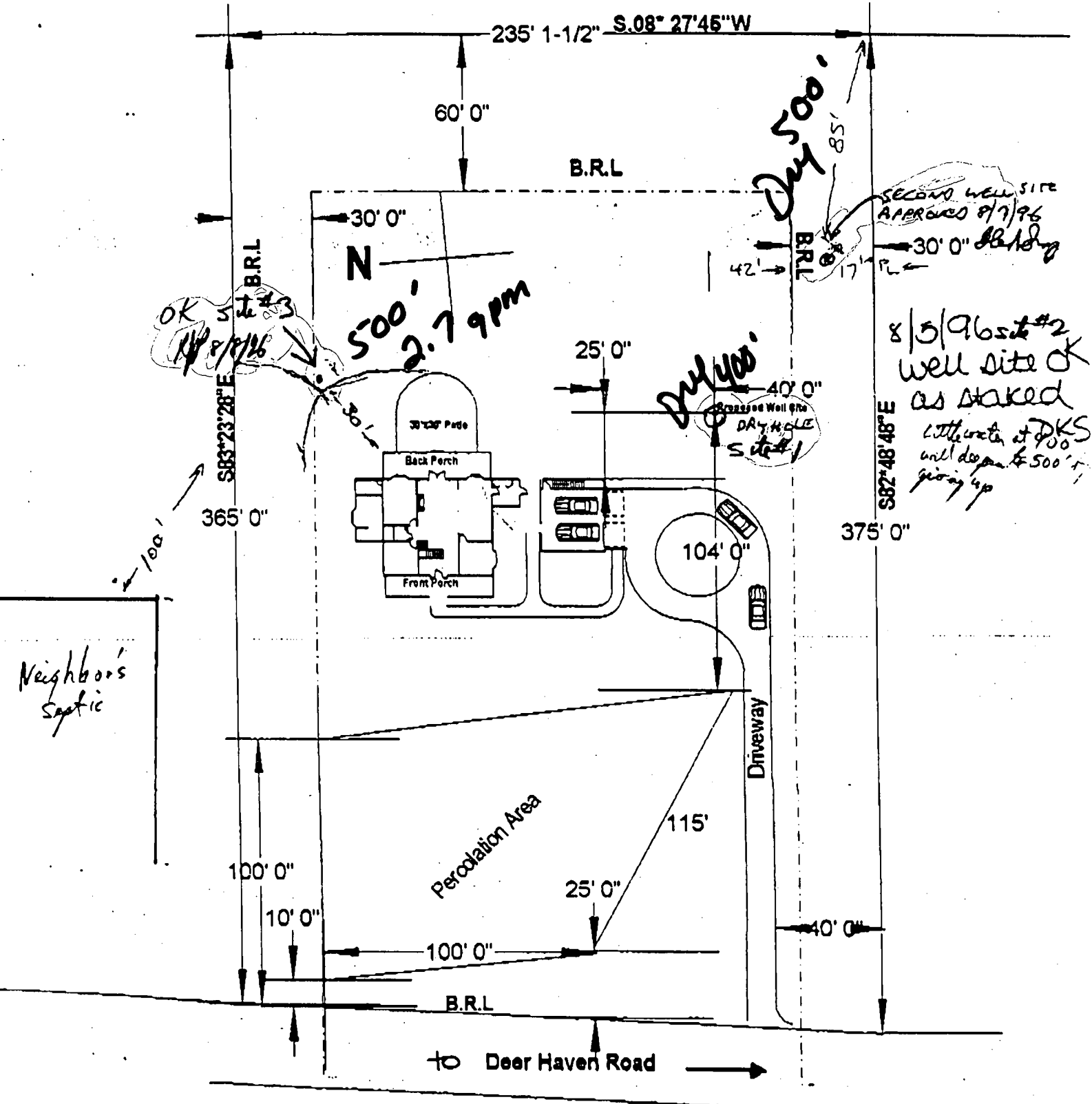
See attached well locations

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 IDENT. NO. 24 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

Scale 1"=50'



OK Site #3
8/8/96

500' 2.79pm

Dry 500'

Dry 400'

SECOND WELL SITE APPROVED 8/7/96
30' 0" Building

8/5/96 site #2 well site OK as staked
little water at 900'
will drop to 500'
going up

Neighbor's Septic

Approx. 1 Acre, undeveloped

Milan S. Matus,
20 Turk Garth
Catonsville, MD 21228
(410)371-1221

SITE PLAN, LOT 52, PLAT 9491
SPRING VALLEY CHASE
Scale: 1" = 50'

Encore Builders, Inc.
PO Box 54
Columbia, MD 21045
(410) 442-9684

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-0894
 Location of property (road) Deer Haven Rd.
 Subdivision Spring Valley Chase Lot 52 Block _____ Plat _____ Sec. _____
 Well Driller J. Maynk Owner Encore Bldgs.

Depth of well 500'
 Distance of measuring point (M.P.) above ground 1 1/2
 Static water level (S.W.L.) below M.P. 35'

I. High rate pumping -- reservoir drawdown

Time pump started 6:45 Pumping rate 20 gpm.
 Total time 60 min. to reach pumping water level 430 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)
7:35	173	30 sec.		20 gpm.
7:45	281	4		15.61
7:50	331	4		15
7:45	430	5		12
7:50	427	60		1
8:05	425	60		1
7:30	420	50		1.2
8:15	416	40		1.5
9:00	412	40		1.5
9:15	410	40		1.5
9:30	408	35		1.7
9:45	389	30		2
9:50	385	30		2
10:15	380	27		2.2
10:20	375	20		3
10:45	377	18		3.3
11:00	382	18		3.3
11:05	382	22		2.7
11:30	382	22		2.7
11:45	383	20		2.7
12:00	383	22		2.7
12:15	383	22		2.7
12:30	384	22		2.7
12:45	384	22		2.7

HD-224 1:00 384 22 2.7
 1:15 384 22 2.7
 1:30 384 22 2.7
 1:45 384 22 2.7

4/22/97
WPI 1pm

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 2-7-97

Name of Installer Wm. H. Smith Jr.

Telephone 879-7641

License Number PI 58

Certified Well Pump Installer Well Driller _____ Registered Plumber _____

Name of Property Owner Mature Milan

Telephone _____

Subdivision Spring Valley Chase Lot # 52

Well Tag # HD-94-0894

Site Address 12132 Deer Haven

Pump

1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible _____
2. Make _____
3. Model # _____
4. Capacity _____ GPM

Motor

1. Horsepower _____
2. RPM _____
3. Voltage _____
 - a. 110 _____
 - b. 220 _____

Pitless Adapter

1. Make _____
2. Model # _____
3. Depth _____

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 _____

Tank

1. Capacity _____
2. Pressure relief valve? _____

Piping

1. Type _____
2. Size _____
3. NSF and/or BOCA Code approved _____
4. Depth of supply line _____

Well data

1. Depth 500 ft.
2. Yield 2.4 GPM
3. Static water level 35 ft.
4. Will water supply be disinfected by installer? _____

4/22/97
Pitless adapter
& water line OK @ 4/22
WPI 4/22/97

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).

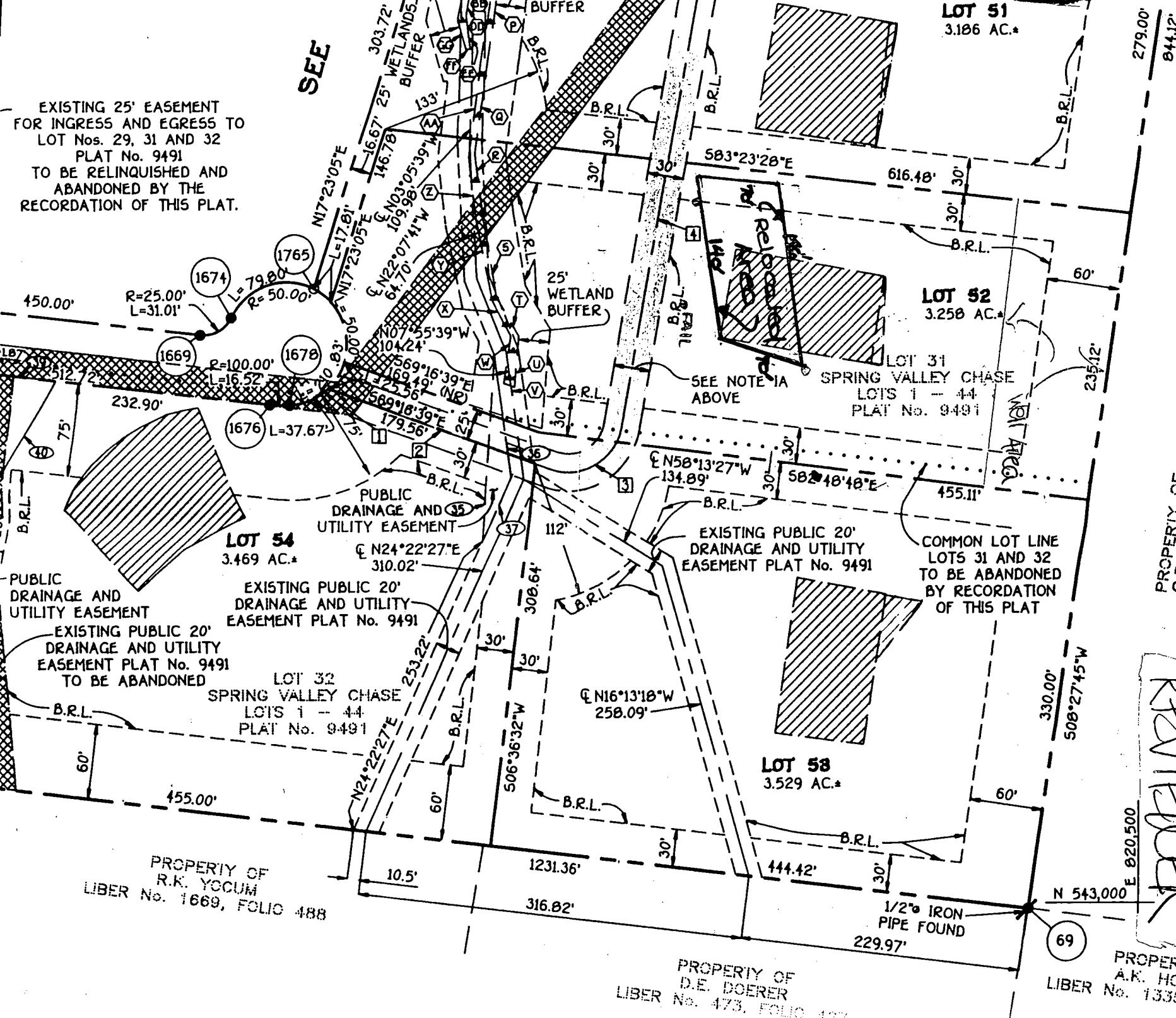
All information given above is true to the best of my knowledge.

Signature of Applicant: William H. Smith Jr.

Date: 2-7-97

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

EXISTING 25' EASEMENT FOR INGRESS AND EGRESS TO LOT Nos. 29, 31 AND 32 PLAT No. 9491 TO BE RELINQUISHED AND ABANDONED BY THE RECORDATION OF THIS PLAT.



(P)	508°
(Q)	507°
(R)	507°
(S)	509°
(T)	529°
(U)	505°
(V)	N71°2'
(W)	N08°
(X)	N27°
(Y)	N11°4'
(Z)	N06°
(AA)	N06°
(BB)	N09°
(CC)	N55°
(DD)	510°5'
(EE)	507°
(FF)	587°
(GG)	N16°1'
(HH)	N13°1'
(II)	N24°

ATTENTION RP
 PROPERTY OF C.R. HORMAN LIBER No. 364, FOLIO 492
 REVIEWER
 PROPERTY OF A.K. HORMAN LIBER No. 1335, FOLIO 320

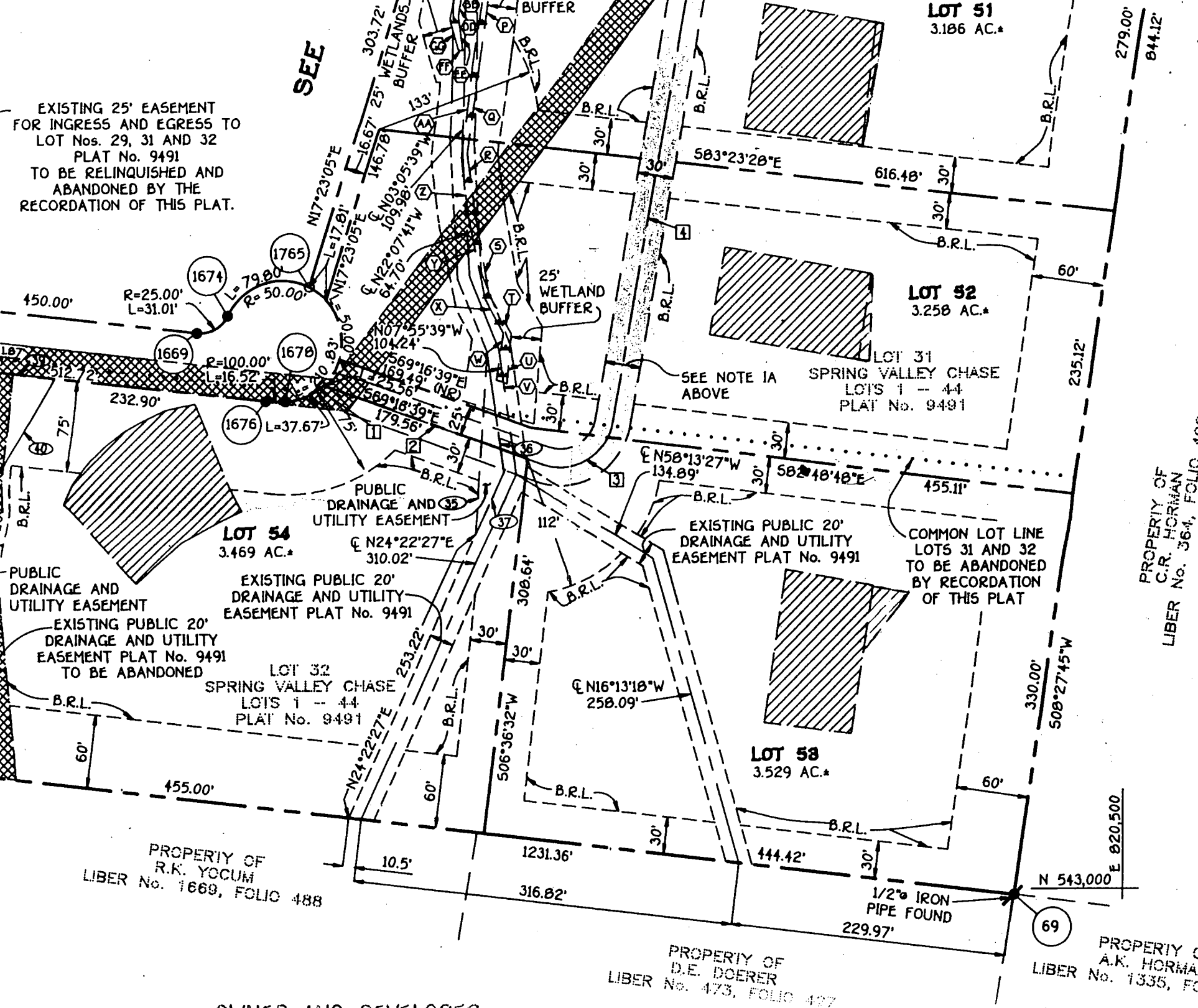
PROPERTY OF R.K. YCCUM LIBER No. 1669, FOLIO 488

PROPERTY OF D.E. DOERER LIBER No. 473, FOLIO 497

PROPERTY OF A.K. HORMAN LIBER No. 1335, FOLIO 320

EXISTING 25' EASEMENT FOR INGRESS AND EGRESS TO LOT Nos. 29, 31 AND 32 PLAT No. 9491 TO BE RELINQUISHED AND ABANDONED BY THE RECORDATION OF THIS PLAT.

SEE



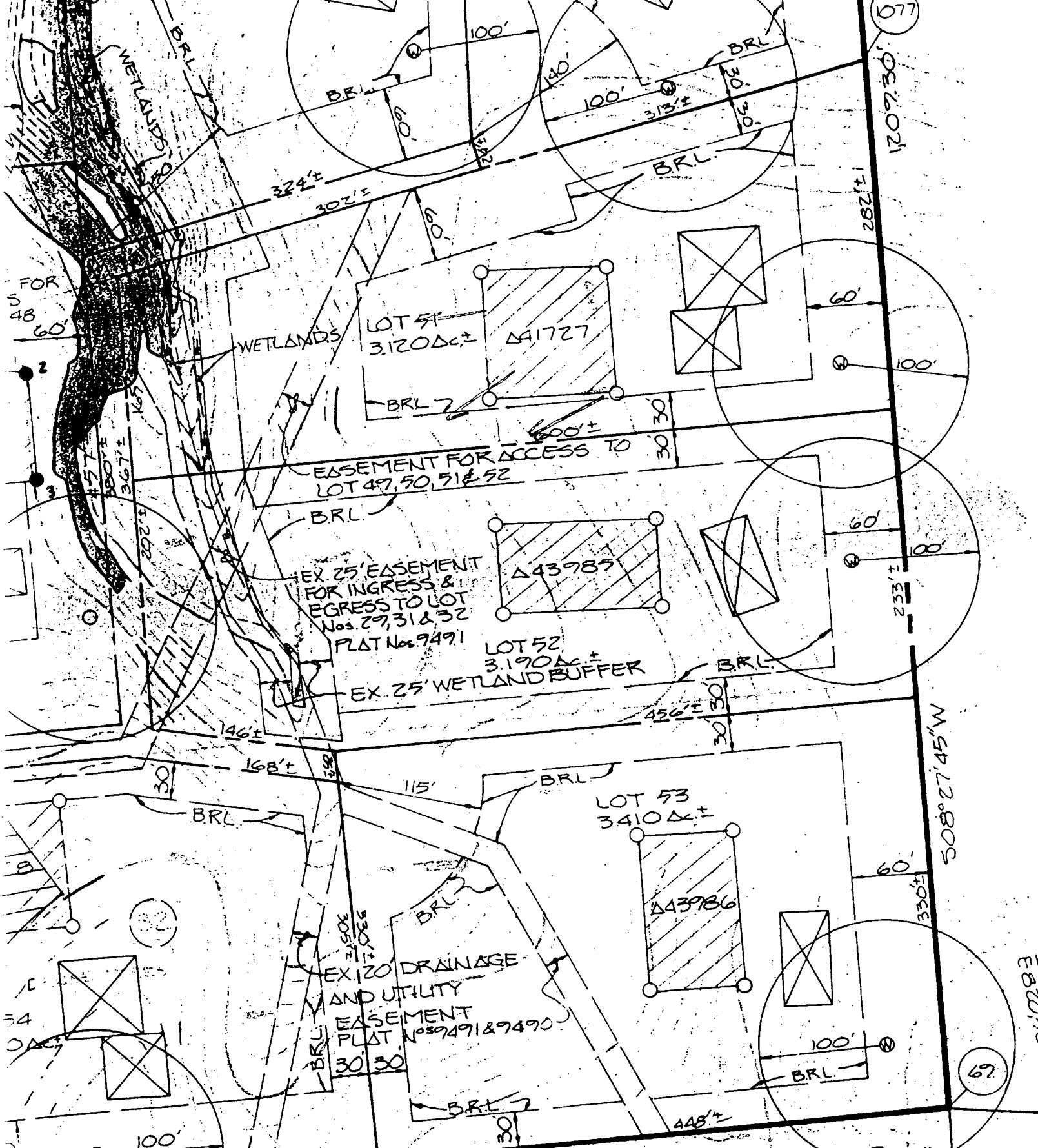
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(BB)	N09°
(CC)	N55°
(DD)	S10°5'
(EE)	S07°
(FF)	S07°
(GG)	N16°1'
(HH)	N13°1'
(II)	N24°

PROPERTY OF
C.R. HORMAN
LIBER No. 364, FOLIO 492

PROPERTY OF
R.K. YOCUM
LIBER No. 1669, FOLIO 488

PROPERTY OF
D.E. DOERER
LIBER No. 473, FOLIO 407

PROPERTY OF
A.K. HORMAN
LIBER No. 1335, FOLIO 320



LOT 51
3.120 Ac. ±
Δ41727

EX. 25' EASEMENT
FOR INGRESS &
EGRESS TO LOT
Nos. 29, 31 & 32
PLAT Nos. 9491

LOT 52
3.190 Ac. ±
EX. 25' WETLAND BUFFER

LOT 53
3.410 Ac. ±
Δ43986

EX. 120' DRAINAGE
AND UTILITY
EASEMENT
PLAT Nos. 9491 & 9490

Copy of PERC Cert
DE. DOERER Signed 10-11-91
473/427

DRAINAGE AND
UTILITY EASEMENT PLAT No. 9491
THIS EASEMENT

Δ.K.
133

