

04-364686

PERMIT

INDEXED

SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P paid
A 51063-AC

ISSUE DATE _____
APPROVAL DATE 5/2/00

Jeff Allen (John Goodman) IS PERMITTED TO INSTALL x ALTER _____

ADDRESS 15700 Frederick Road PHONE 410-489-7520

SUBDIVISION Existing Tennant House LOT NUMBER 218 ADDRESS Hobbs Road

PROPERTY OWNER _____ PROPERTY OWNER'S ADDRESS 2857 Glenwood Springs Dr

SEPTIC TANK CAPACITY 1000 GALLONS

PUMP CHAMBER CAPACITY _____ GALLONS *** TOP SEAMED TANK REQUIRED ***

NUMBER OF BEDROOMS 3

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES: Trenches to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 3.5 feet below original grade. 1.5 feet of stone below distribution box.

LOCATION: PURPOSE - to provide existing house with individual septic system.

Beginning from the intersection of the 233.00' and 278.52' lot lines, begin trenches 130 feet down the 233.00' lot line and 120 feet off that same lot line. Run trenches on contour in both directions.

PLANS APPROVED Amy McMillen DATE 3-20-00

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

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

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

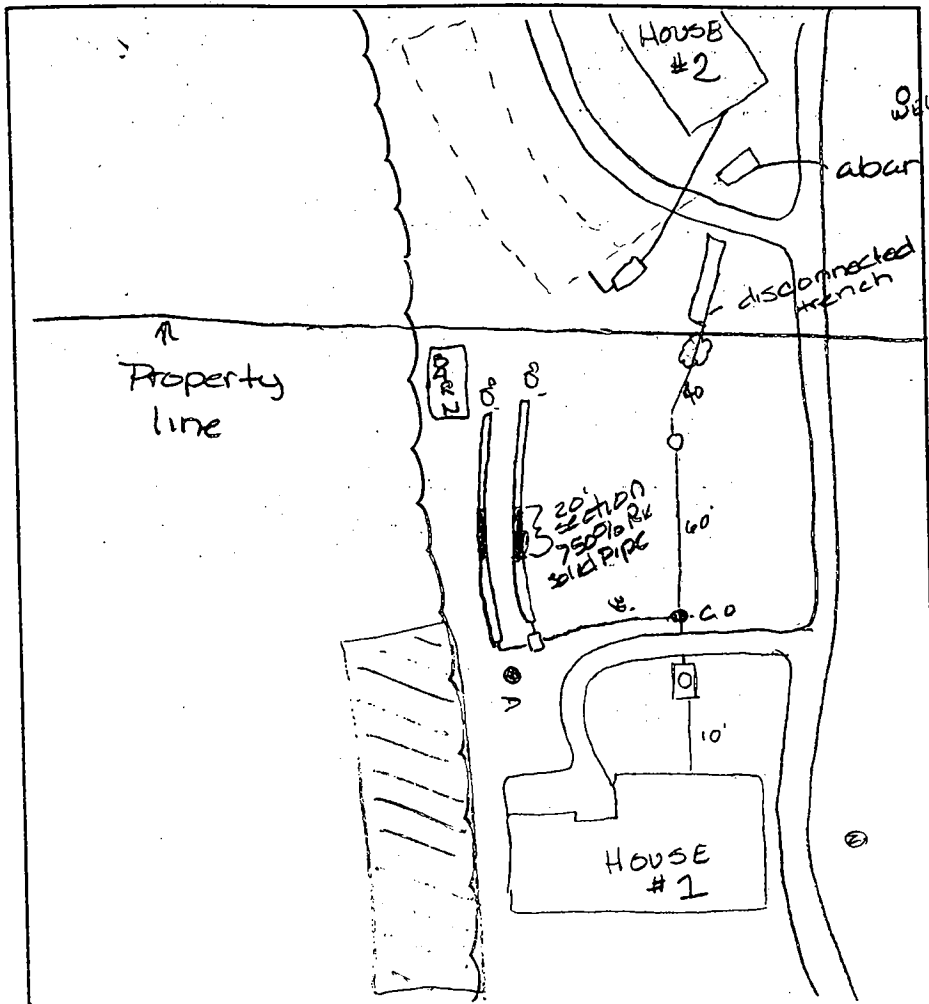
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

AS10650C

A
 bottom @ 10.0 refusal
 dark brn silm 25% grey sandstone
 2.0' red clay

BOYER PROPERTY, LOT 2

NOT TO SCALE



TRENCH DATA	
TRENCH WIDTH	3.0
TRENCH INLET DEPTH	3.0
TRENCH BOTTOM DEPTH	5.0
DEPTH OF STONE	2.0
NUMBER OF TRENCHES	2
TOTAL TRENCH LENGTH	180
ABSORBENT AREA	420
DISTRIBUTION BOX LEVEL	OK
BAFFLE IN DISTRIBUTION BOX	OK

140
3
420

SEPTIC TANK DATA	
SEPTIC TANK	N/A GALLONS
MANHOLE RISER	
6 INCH INSPECTION PORT	
PUMP CHAMBER DATA	
PUMP CHAMBER GALLONS	N/A
MANHOLE RISER	
ALARM	
PUMP PERFORMANCE TEST	

PRE-CONSTRUCTION INSPECTION: _____

INSPECTION COMMENTS: 4/27/00 Disconnect septic system for house #1 & put 2.0' stone, inlet @ 3.0, bottom @ 5.0 - 180' trench (2, 90' trenches)
 Replace septic tank on house #2, 100' from new well. All slope OK to cover system for house #1 House #2 new septic tank 100' from well installed & hooked up to existing trenches

INSPECTOR James McMill DATE SYSTEM APPROVED 5/2/00

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Boyer Property - Ex House

A 51063C

STREET NAME: _____

LOT NUMBER: ~~3~~ 2

AVERAGE PERCOLATION RATE: 2min SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: _____ LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: _____ SEPTIC TANK CAPACITY: _____

TOP SEAMED TANK REQUIRED? YES NO

COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DIMENSIONS: Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 3.5 feet below original grade. Effective area begins at 2.0 feet below original grade. 1.5 feet of stone below distribution pipe.

=====
PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber.
YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

=====
LOCATION: _____

ADDITIONAL NOTES: _____

Reviewer: _____

Date: _____

APPLICATION

PERCOLATION TESTING

A 51063

P _____

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

DISTRICT _____

DATE _____

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 PATRICIA L. BOYER

ADDRESS P.O. BOX 322
BROCKVILLE, MD 20833 PHONE (410) 489-9727

AGENT OR PROSPECTIVE BUYER W. KEITH BOYER

ADDRESS 8720 CHURCH LANE
RANDALLSTOWN MD 21133 PHONE (410) 868-8010

PROPERTY LOCATION:

SUBDIVISION PATRICIA L. BOYER PROPERTY LOT NO. A-3

ROAD AND DESCRIPTION WEST SIDE HOBBS RD. 1000' FT. NORTH
OF BURNT WOODS RD. -

TAX MAP _____ PARCEL # _____

SIZE OF LOT 4.0 AC ± TYPE BLDG. SINGLE FAMILY DWLG.
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

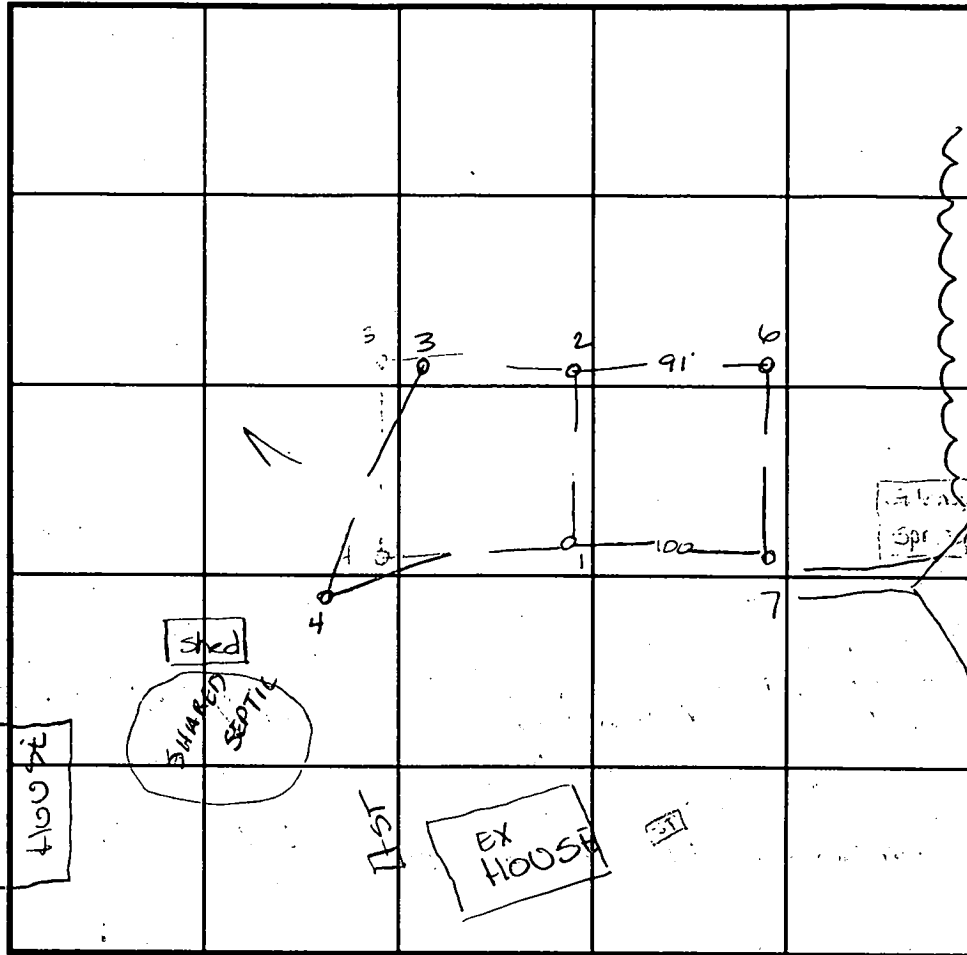
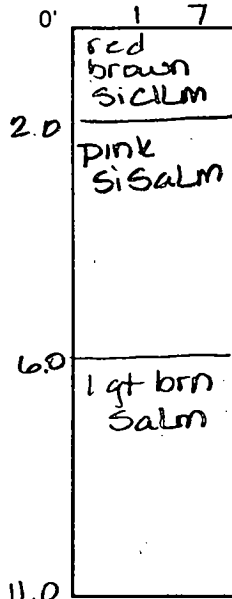
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

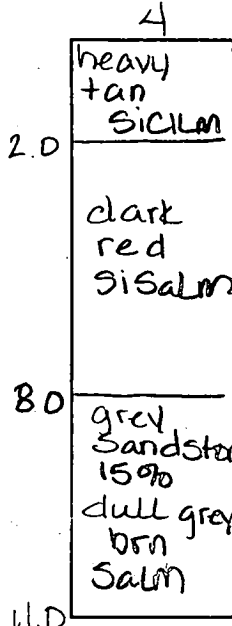
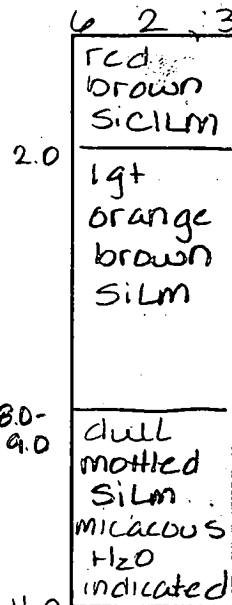
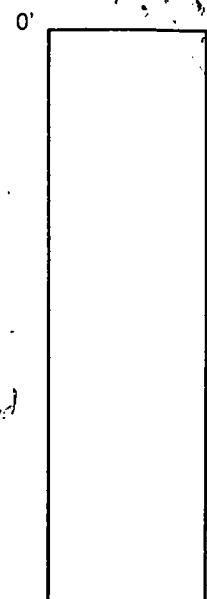
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME.
			START	STOP	START	STOP	
11/19/98	1	2.5 V11.0	11:12	11:14	11:14	11:16	2min
	2	3.0 V11.0	11:17	11:25	11:25	11:32	7min
	3	2.5 V11.5	11:20	11:22	11:22	11:24	2min
	4	Visual	- see profile		—		OK
	6	3.0 V11.0	12:58	1:04	1:04	1:15	11min
	7	Visual	- see profile		—		OK

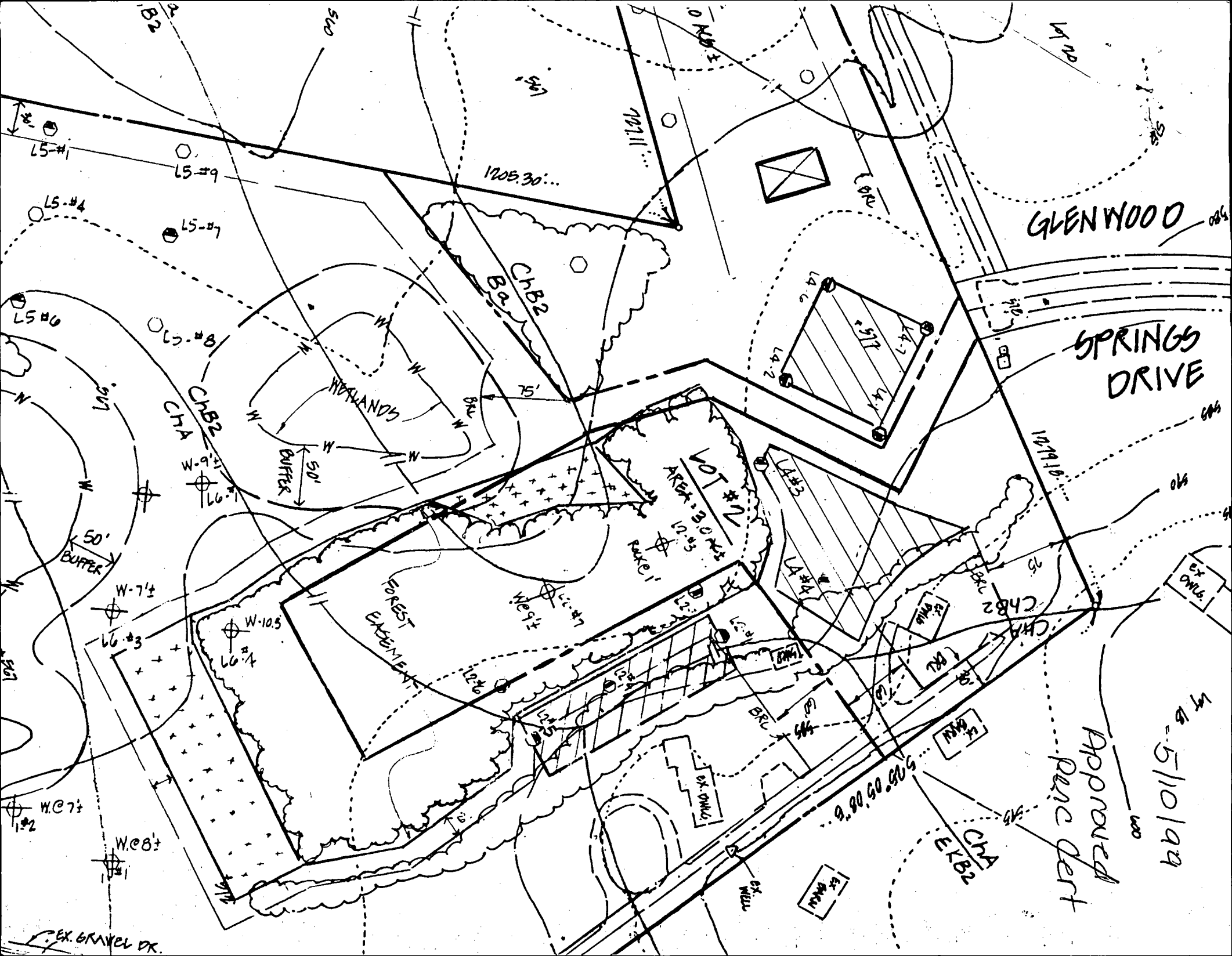
REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 7min TRENCH WIDTH 3.0

INLET DEPTH 2.0 MAXIMUM BOTTOM DEPTH 3.5 SQ. FT./BEDROOM 180



GLENWOOD

SPRINGS DRIVE

1205.30...

1120

1219.18

1205.05

8.80

ChB2

ChB2

ChB2

ChA

EKB2

LOT #1
AREA: 3.0 AC

FOREST EASEMENT

500

B2

L5-#1

L5-#9

L5-#4

L5-#7

L5-#6

L5-#8

L5-#1

L6-#1

W-7 1/2

W-10.5

L6-#3

L6-#4

W-7 1/2

W-8 1/2

EX. GRAVEL DR.

Approved
Pine Dept

1/5-5/10/99

C1 07681

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 A51063B

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM 4/29/00 YY

Depth of Well 22 240 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2622

OWNER Boyer KEITH last name first name STREET OR RFD Hobbs Rd TOWN Glenwood SUBDIVISION Boyer Prop SECTION LOT 2

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Shaley Clay, Mica Clay, Sand Stone, Mica, Flint, Mica.

GROUTING RECORD Form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD Form: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter, Total depth.

OTHER CASING (if used) Form: diameter, depth (feet) from to.

SCREEN RECORD Form: screen type or open hole (ST, BR, HO, PL, OT), insert appropriate code below.

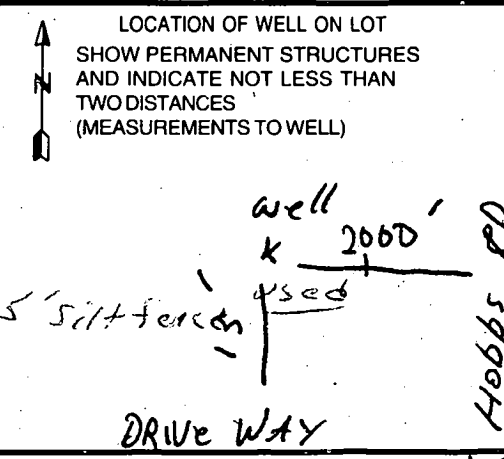
DEPTH (nearest ft.) Form: T 1 2 3 4 5 6 7 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51. SLOT SIZE 1 2 3. DIAMETER OF SCREEN (NEAREST INCH) 56 60.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) T 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST Form: HOURS PUMPED (3), PUMPING RATE (10), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (distance from land surface) BEFORE PUMPING (18), WHEN PUMPING (166), TYPE OF PUMP USED (S) submersible.

PUMP INSTALLED Form: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+ above, - below) LAND SURFACE (2) (nearest foot).



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (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. 1 MW D 040 George F. Eusterman DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MW D 501

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

B 1 09633

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2622 fill in this form completely

Date Received (APA) 03/13/00

OWNER INFORMATION RN 8192

B 3 HOWARD LOCATION OF WELL CCM

Boyer Keith & Stacy P. O. Box 205 Glenwood, Md 21738

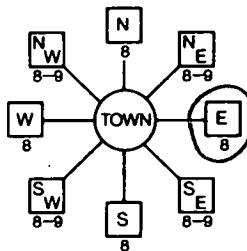
8 COUNTY 21 Patricia Boyer Prop 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 2 Glenwood 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1

DRILLER INFORMATION

George F. Easterday M WD 040 Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airv. Md. 21771

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Hobbs Road 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 2000 37 DISTANCE FROM ROAD Ft. 38 39

Signature George F. Easterday Date 3/11/2000

B 2 WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

TAX MAP: BLK: PARCEL

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 A51063B COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 03/14/00 CO SIGNATURE EXP. DATE

NORTH GRID 520 000 EAST GRID 790 000

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

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

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE Reverse-ROTary Drive-POINT

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790

N 520

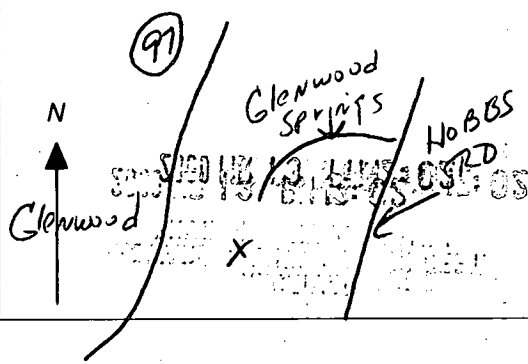
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- 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 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 54 G A P 63 PERMIT No. HO-94-2622

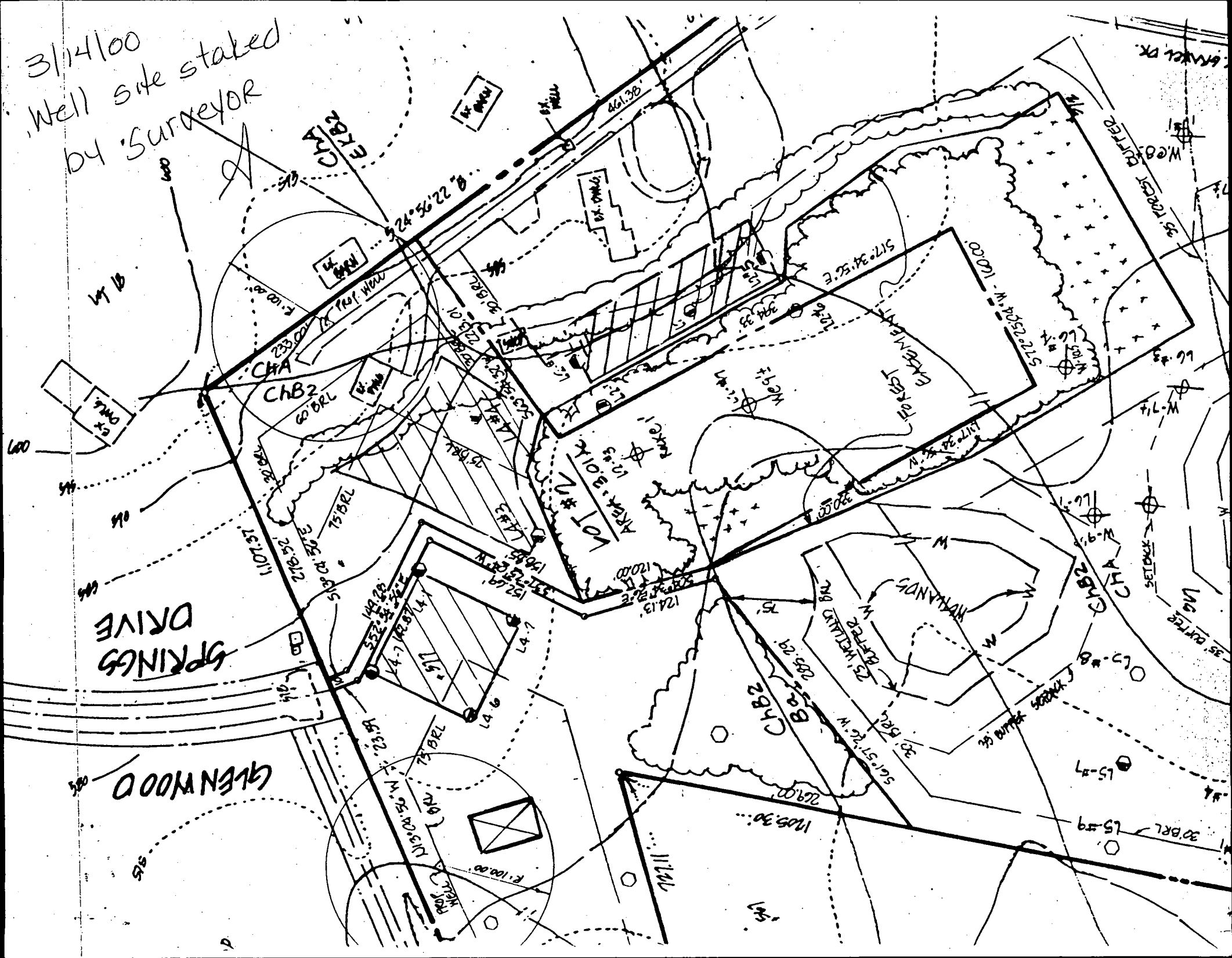


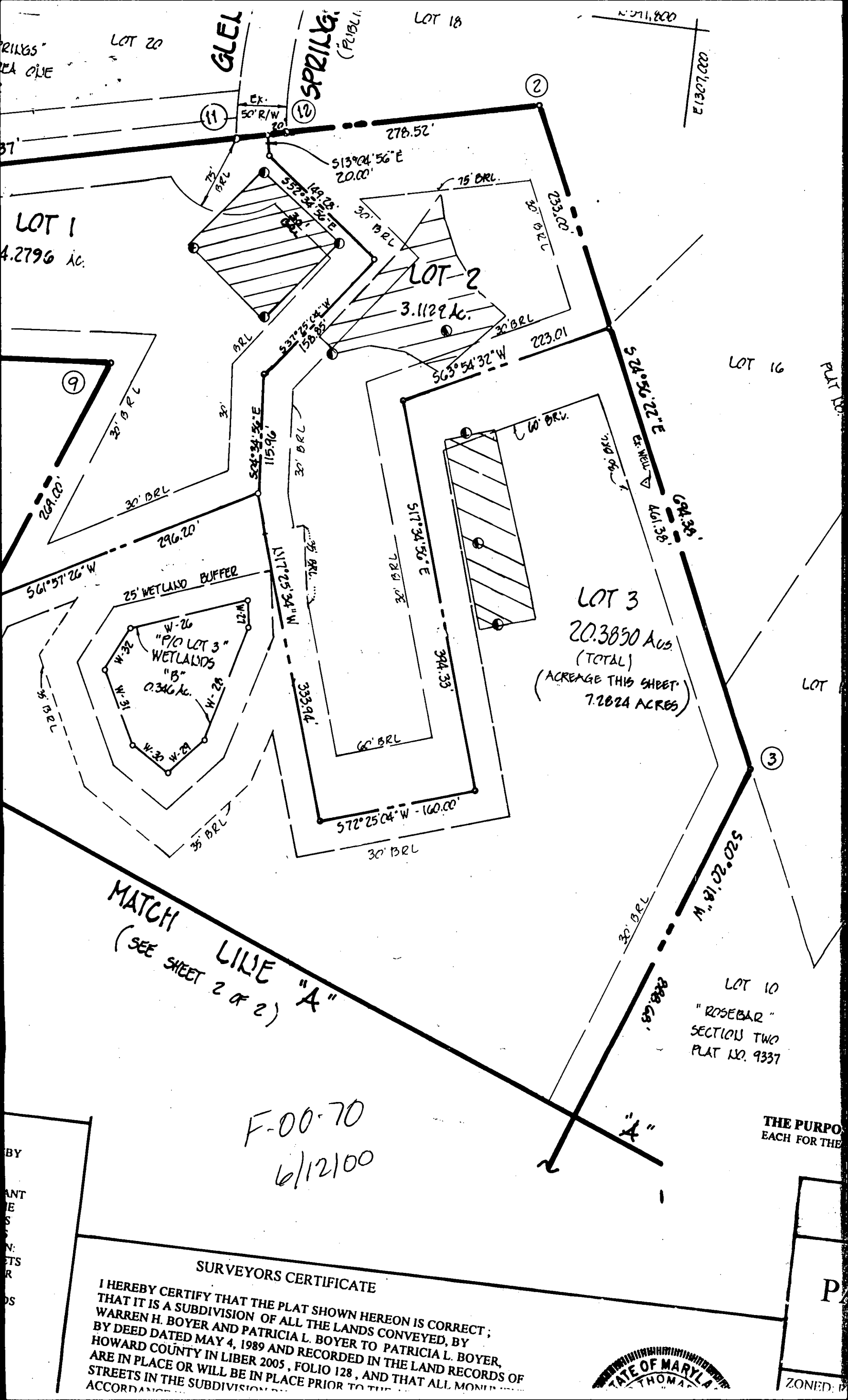
9 D6

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

3/14/00
Well site stated
by Surveyor





LOT 1
4.2796 Ac.

LOT 2
3.1129 Ac.

LOT 3
20.3850 Ac.
(TOTAL)
(ACREAGE THIS SHEET)
7.2824 ACRES

MATCH
(SEE SHEET 2 of 2)
LIKE "A"

F-00-70
6/12/00

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL THE LANDS CONVEYED, BY WARREN H. BOYER AND PATRICIA L. BOYER TO PATRICIA L. BOYER, BY DEED DATED MAY 4, 1989 AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY IN LIBER 2005, FOLIO 128, AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE COMMENCEMENT OF THE STREETS IN THE SUBDIVISION ACCORDANCE WITH THE



THE PURPOSE
EACH FOR THE

ZONED: P