

4/28/00  
C.O. & SPT  
3:00  
5/11/00  
Pump 1:30

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 513346

A 57659-U

DISTRICT \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

DATE 3-27-2000

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 410-313-2640

**INDEXED**

DATE SYSTEM APPROVED 5/11/00

INSPECTOR S.R.K.

Hatfields Equipment & Dedication Services, 13775 IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 13785 Burntwoods Road, Glenelg, MD 21737 PHONE 301-854-6172

SUBDIVISION Hunterbrooke LOT 20 ROAD 8049 Hunterbrooke Lane

PROPERTY OWNER Winchester Homes, Inc.

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

**\*\*\*WATERTIGHT COMPARTMENTED SEPTIC TANK WITH WASTEWATER EFFLUENT FILTER REQUIRED\*\*\***

NUMBER OF BEDROOMS 4

*\*3/31/00 due to site elevations, pumped septic system shall be necessary per contractor.*

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 6.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Begin trenches 75 feet off the front lot line and 140 feet off the right lot line as seen when facing the lot from Hunterbrooke Drive. Run trenches on contour in both directions.

NOTES - No trench to exceed 100 feet in length. Provide 6" -- 8" diameter cleanout and cap grade or above on septic tank. *12/27/99 ON DU*

PLANS APPROVED BY Amy McMillen DATE 11/24/99

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)

**BUILDING PERMIT SIGNED AND RETURNED** *6/19/02*  
*BCO 137005-Sun Room*

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

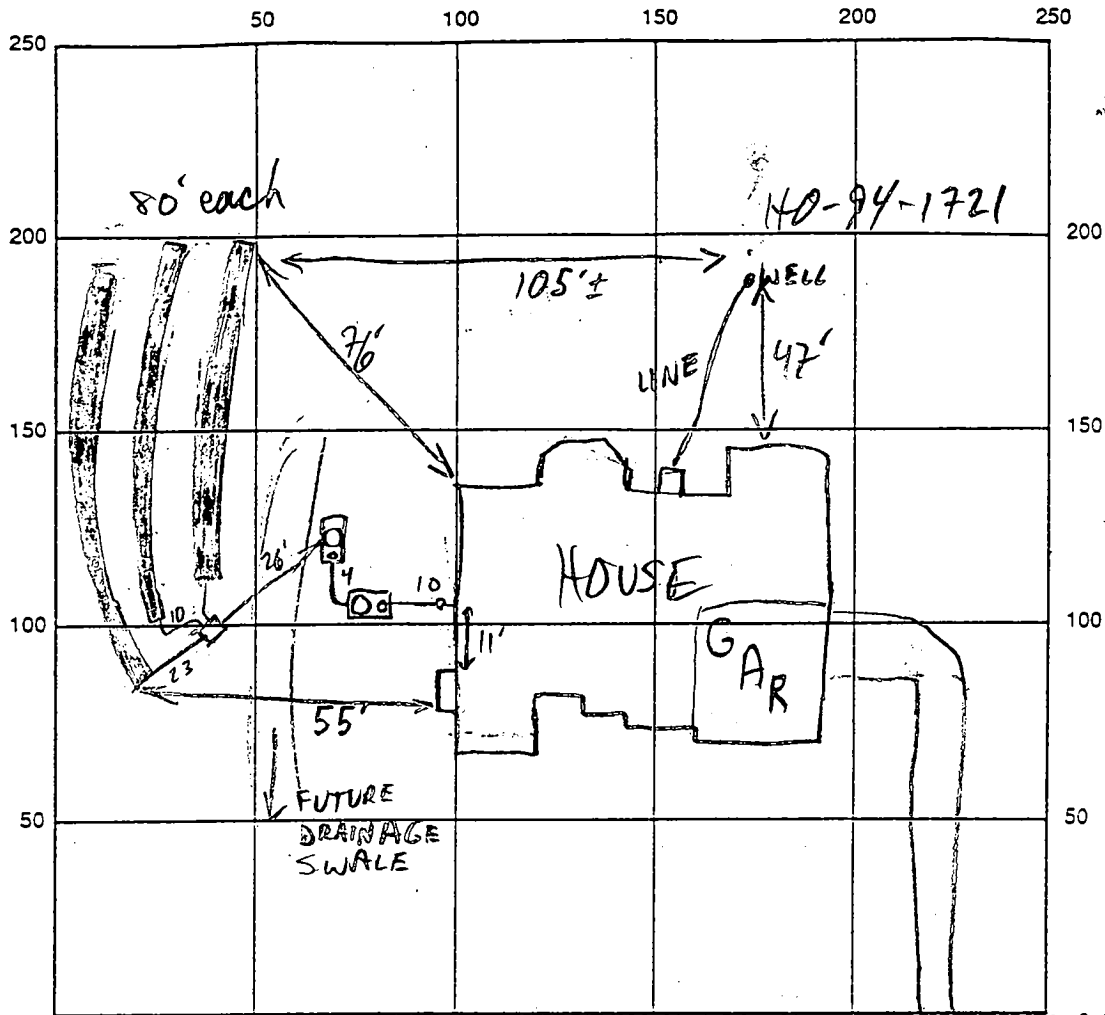
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 57659U

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE HUNTERBROOK DR

S/T - FILTER W/2 CHAMBERS

SEPTIC TANK LEVEL 1500 TOP SEAM (22) CLEANOUTS MH + 6" @ EACH S.T., 4" @ HOUSE

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TILE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240 FT.

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

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 4/28/00 OK TO FINISH & COVER (MR)

~~CONCRETE TRENCHES~~ HOLD FOR PUMP INSP (MD)

~~CONCRETE TRENCHES~~ AND ALARM OPERATIONAL (SRK)

DATE SYSTEM APPROVED 5/11/00

INSPECTOR Steven R. King

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_  
P \_\_\_\_\_

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

DISTRICT 5H  
DATE 1-29-97

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 Edward Robert Prince Winchester Homes

ADDRESS P.O. Box 381, Fulton, MD 20759-0381 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Winchester Homes & David Meiners

ADDRESS 6305 Ivy Lane Ste 700 Greenbelt Md 20770 PHONE 301-489-1205

### PROPERTY LOCATION:

SUBDIVISION PRINCE PROPERTY LOT NO. 20

ROAD AND DESCRIPTION Common driveway off Lime Kiln Rd 300' from Rt 216 (8049 Hunterbrooke Road)

TAX MAP 46 PARCEL # 360 & p/o 344

SIZE OF LOT 1 acre TYPE BLDG. Single Family - 4 Brn  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

REG. PERMIT SIGNED  
AND RETURNED 11-24-99  
Serial # 200121432  
Single Family - 4 Brn  
(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.

David E. Meiners  
(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

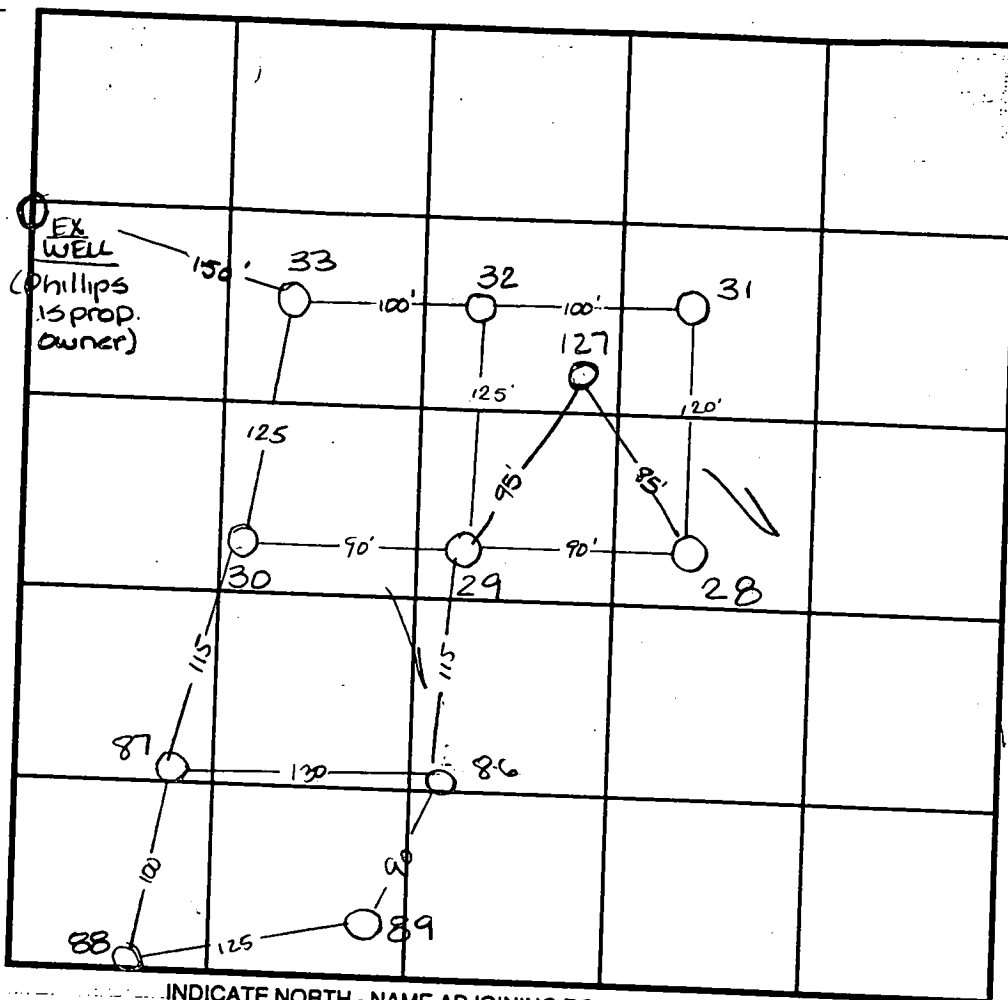
87

0'  
dark orange brown SiClm  
3.0  
lgt orange tan SiSalm 10% decayed Saprolite  
12.5

SOIL PROFILE

127

0'  
lgt tan SiClm  
2.0  
bright red SiClm  
5.5  
beigh brn SiSalm 15% decayed MICACOUS shale  
11.5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. ACCESS RD

88 86  
no distinct clay layer  
lgt tan beige SiClm  
11.0  
dark grey Salm evidence of H<sub>2</sub>O water at 11.5

89  
orange brown (dark) SaClm  
2.5  
dark brown micaceous Salm 25% Rx decayed shale mica mix ma deposits  
11.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-1-97	87	6.0 / 12.5	11:08	11:10	11:10	11:12	2min
	88	6.0 / 12.5	10:58	11:00	11:00	11:03	3min
	89	5.5 / 11.0	11:15	11:16	11:16	11:21	5min
	86	5.5 / 12.0	11:29	11:29 <sup>30</sup>	11:29 <sup>30</sup>	11:30 <sup>30</sup>	1min
9-11-97	127	5.5 / 11.5	9:10 <sup>30</sup>				slow
		Will perc at 6.0					OK

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Amy McMillen ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_  
 SQ. FT. PER ROOM \_\_\_\_\_

# APPLICATION

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A \_\_\_\_\_

P \_\_\_\_\_

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BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2540

DISTRICT 5th

DATE 1-29-97

TO: THE COUNTY HEALTH OFFICER  
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PROPERTY OWNER Edward Robert Prince

ADDRESS P.O. Box 381, Fulton, MD 20759-0381 PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER Winchester Homes & David Meiners

ADDRESS 6305 Ivy Lane Ste 700 Greenbelt Md 20770 PHONE 301-489-1205

### PROPERTY LOCATION:

SUBDIVISION PRINCE PROPERTY LOT NO. 2D

ROAD AND DESCRIPTION Common driveway off Lime Keln Rd 300' from Rt 216

TAX MAP 46 PARCEL # 360 & 1/0 344

SIZE OF LOT 1 acre TYPE BLDG. Single Family  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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David F. Meiners  
(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

28

0' dark orange brown SiCLM  
 2.0 red brown SaCLM 20% large rock frags  
 6.0 brown Salm w/ pockets of yellow Salm 10% Rv  
 11.0

29

3.5 red brown SiCLM  
 8.0 red brown SiLM  
 orange brown Salm micaceous packets of micaceous Mg decayed Rock  
 12.0

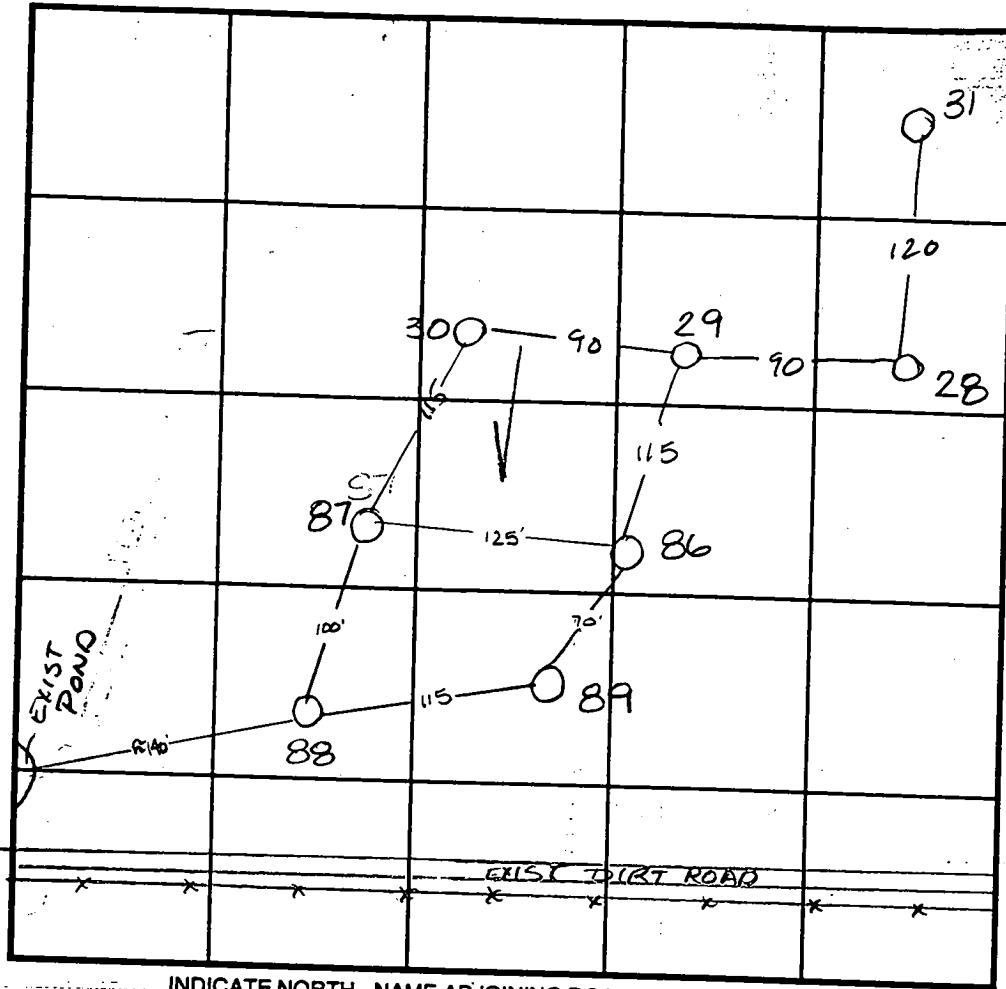
30

2.5 dark red brown SiCLM  
 5.0 orange brown SiSalm  
 12.0 lgt tan Salm 20% decayed micaceous Saprolite

SOIL PROFILE

31

0' red orange SiCLM  
 5.0 red SaCLM  
 7.0 lgt orange brown SiSalm micaceous 20% Rx  
 12.5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-1-97	28	6.0 / 11.0	12:58	1:03 <sup>30</sup>	1:03 <sup>30</sup>	12:15	1 1/2 min
	29	5.5 / 12.0	11:40	11:44 <sup>30</sup>	11:44 <sup>30</sup>	11:50	5 1/2 min
	30	6.5 / 12.0	12:44 <sup>30</sup>	12:47	12:47	12:54	7 min
	31	6.0 / 12.5	1:07	1:08 <sup>30</sup>	1:08 <sup>30</sup>	1:13 <sup>30</sup>	5 min

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY Amy McMillan ALSO PRESENT \_\_\_\_\_

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

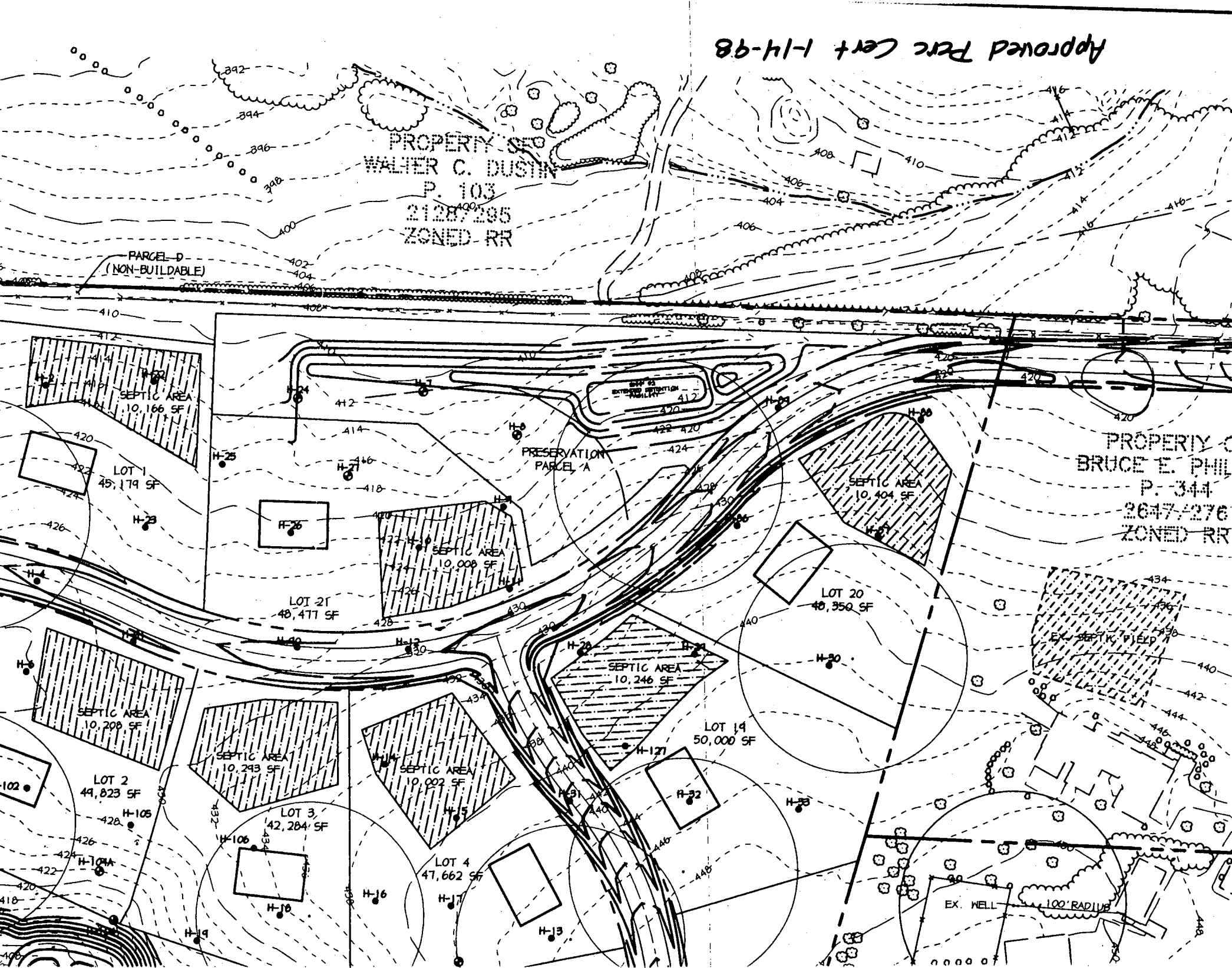
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SO. FT./BEDROOM \_\_\_\_\_

Approved Perc Cert 1-14-98

PROPERTY OF  
WALTER C. DUSTIN  
P. 103  
21287295  
ZONED RR

PARCEL D  
(NON-BUILDABLE)

PROPERTY OF  
BRUCE E. PHIL  
P. 344  
2647/276  
ZONED RR



P. 103  
21287295  
ZONED RR

10' REVERTIBLE  
GRADING EASEMENT

PARCEL D  
(NON-BUILDABLE)

TO BE  
PURE PUBLIC  
TE ACCESS

SEPTIC AREA  
10166 SF

SEPTIC AREA  
H-8 10404 SF

PRESERVATION  
PARCEL 'A'

SEPTIC AREA  
10008 SF

*Revised (not signed)  
Parcel*

WATERBROOK LAKE

LOT 21

LOT 20

SEPTIC AREA  
10208 SF

LOT 2

SEPTIC AREA  
10355 SF H-32

LOT 3

SEPTIC AREA  
10144 SF

LOT 4

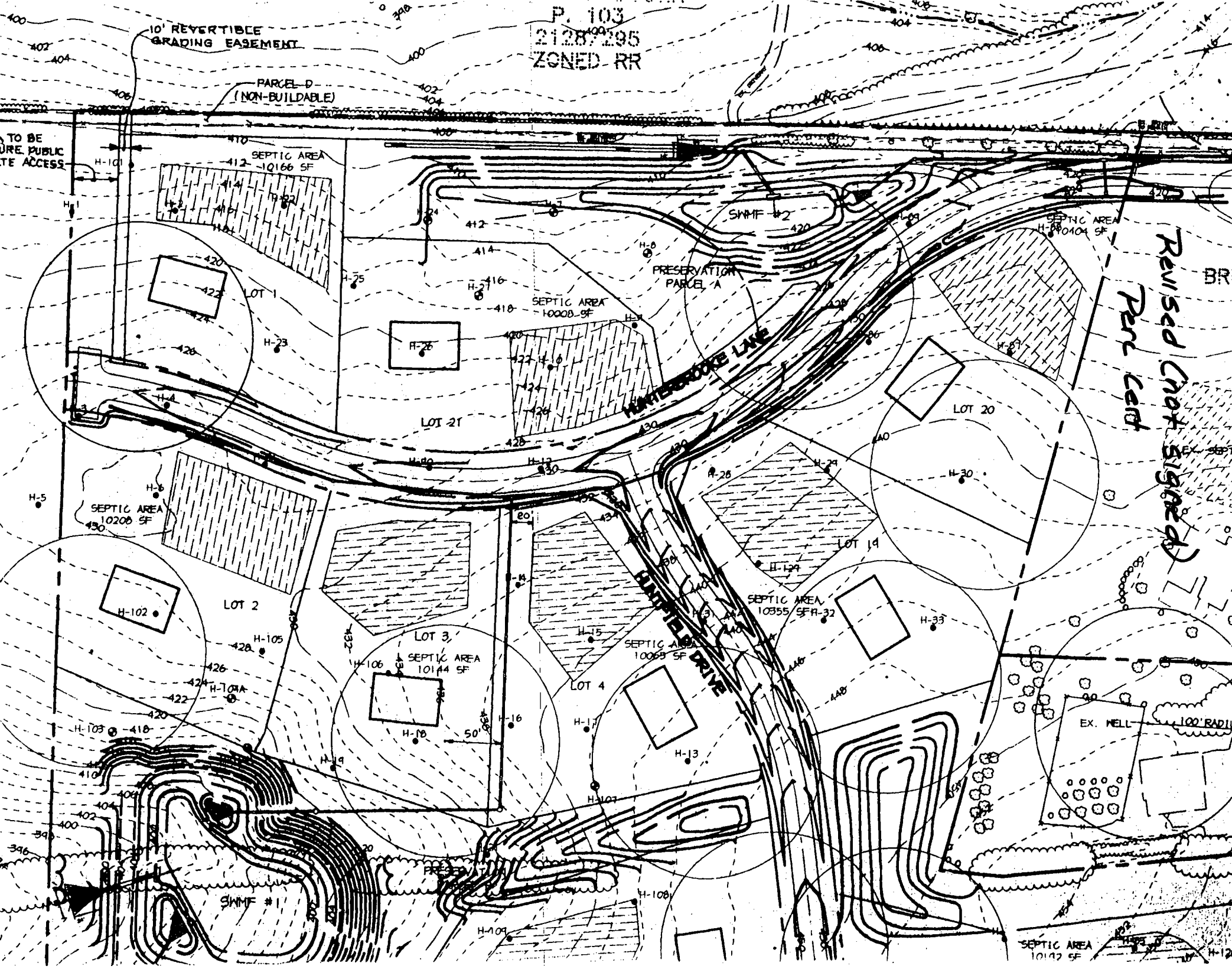
SEPTIC AREA  
10068 SF

SEPTIC AREA  
10068 SF

EX. WELL

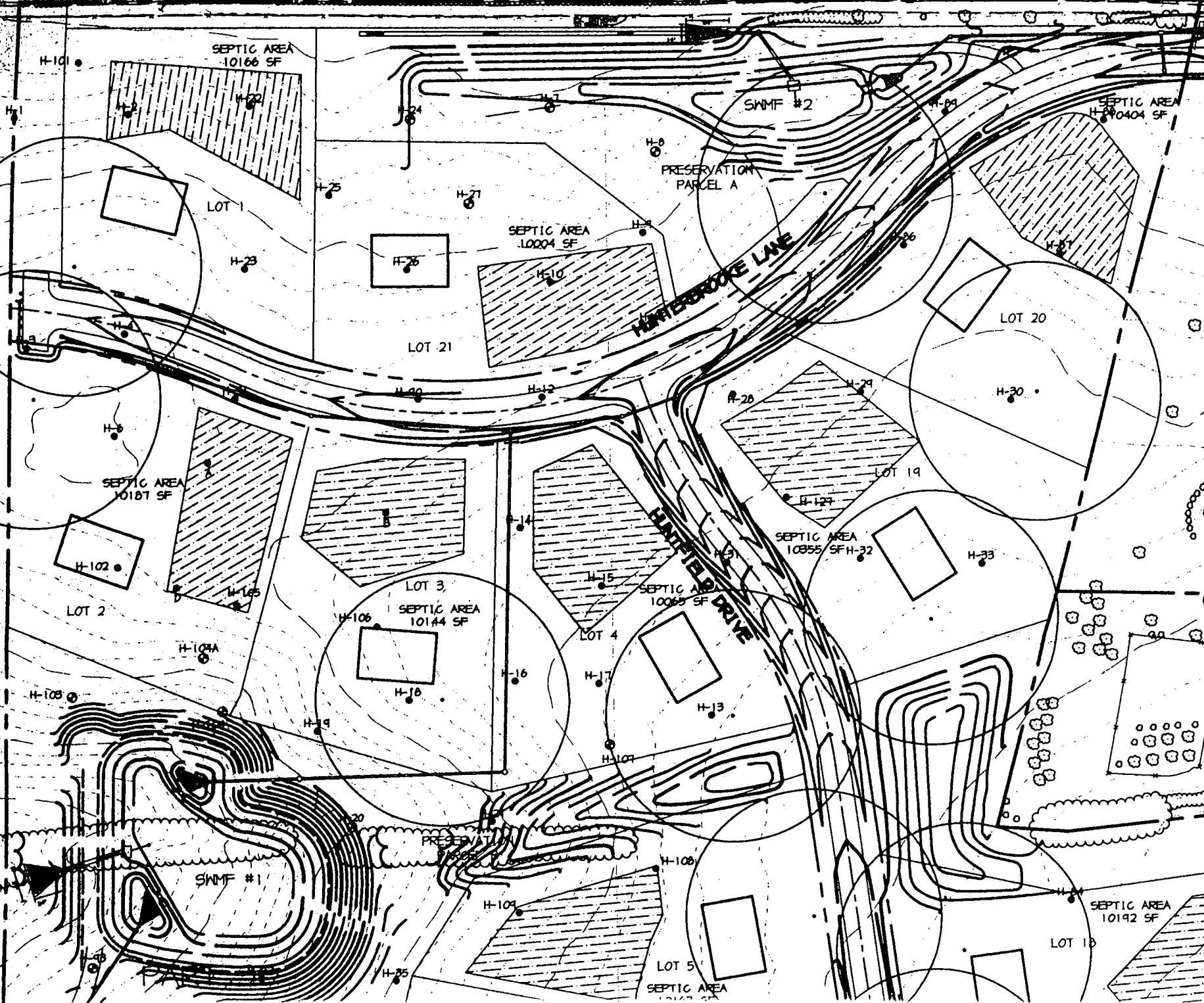
100' RADIUS

SEPTIC AREA  
10142 SF



PARCEL D  
(NON-BUILDABLE)

Revised Perc Cert  
11-2-98



EX. PRIVATE ACCESS EASEMENT  
L. 2110, F. 266  
TO BE ABANDONED

PARCEL 'D'  
NON-BUILDABLE  
18,411 SQ. FT. OR 0.423 AC. PARTIAL AREA  
(TOTAL AREA 30,634 SQ. FT. OR 0.704 AC.)  
TO BE DEDICATED TO HOME OWNERS ASSOCIATION

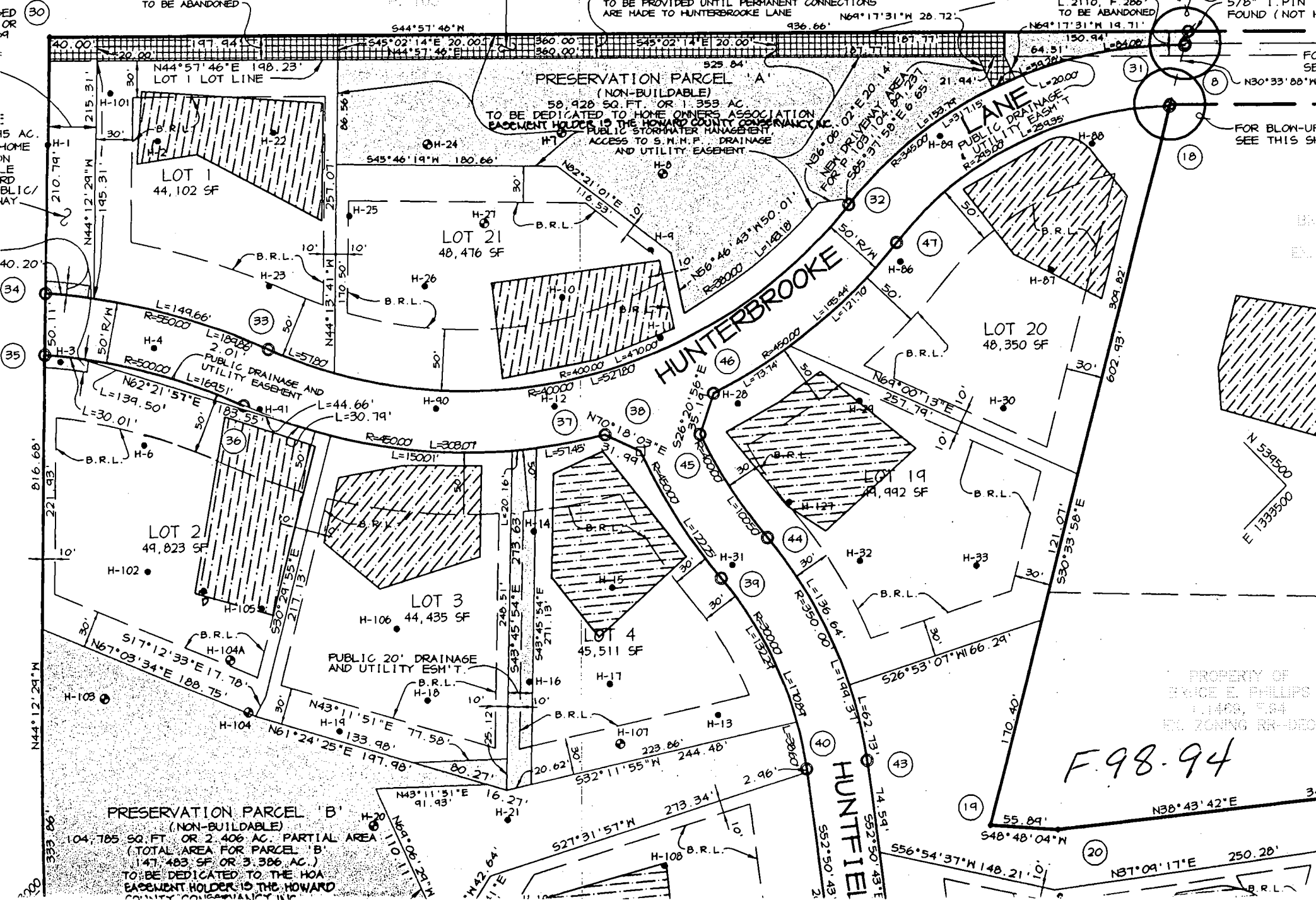
REVERTIBLE TEMPORARY ACCESS EASEMENT AREA  
TO BE PROVIDED UNTIL PERMANENT CONNECTIONS  
ARE MADE TO HUNTERBROOKE LANE

EX. PRIVATE  
ACCESS EASEMENT  
L. 2110, F. 266  
TO BE ABANDONED

FOR BLOW-UP  
SEE THIS SHEET

5/8" I.P.IN  
FOUND (NOT H)

FOR BLOW-UP  
SEE THIS SH



N44°57'46"E 198.23'  
LOT 1 LOT LINE

LOT 1  
44,102 SF

LOT 21  
48,476 SF

LOT 20  
48,350 SF

LOT 2  
49,823 SF

LOT 3  
44,435 SF

LOT 4  
45,511 SF

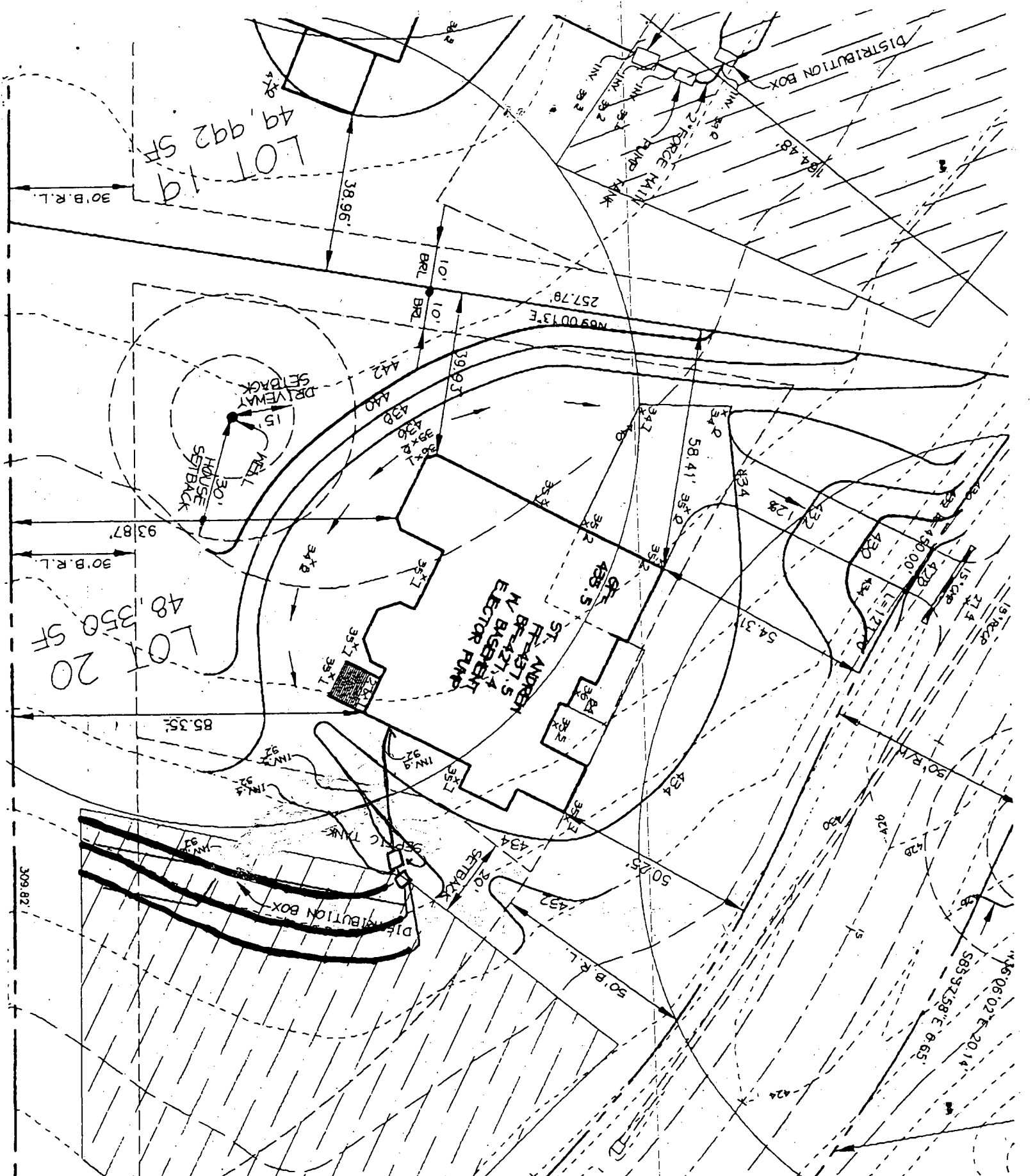
LOT 19  
49,992 SF

PRESERVATION PARCEL 'B'  
(NON-BUILDABLE)  
104,785 SQ. FT. OR 2.406 AC. PARTIAL AREA  
(TOTAL AREA FOR PARCEL 'B'  
147,483 SF OR 3.386 AC.)  
TO BE DEDICATED TO THE HOA  
EASEMENT HOLDER IS THE HOWARD  
COUNTY COLLEGE/ALAN INC.

PRESERVATION PARCEL 'A'  
(NON-BUILDABLE)  
58,928 SQ. FT. OR 1.353 AC  
TO BE DEDICATED TO HOME OWNERS ASSOCIATION  
EASEMENT HOLDER IS THE HOWARD COUNTY COLLEGE/ALAN INC.  
PUBLIC STORMWATER MANAGEMENT  
ACCESS TO S.M.H.P. DRAINAGE  
AND UTILITY EASEMENT

F.98.94

PROPERTY OF  
BRUCE E. PHILLIPS  
11408, F.84  
REG. ZONING RR-DEO



Total linear feet of trench required 240 feet  
 Width of trench (es) 3.0 feet  
 Depth of trench (es) 6.0 feet  
 Depth of stone required below distribution pipe 2.0 feet

Approved Septic System Plan  
 Howard County Health Department

*Emily M. M. M.* 11/24/99  
 Signature Date

To Steve 410-313-2648

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-W Ellicott Mills Drive  
Ellicott City, MD 21043

~~461-8833~~

410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date 5-1-00

Name of Installer Lester Simms Jr.

Telephone 301-831-7657

License Number AWD 611  
Cert. ed Well Pump Installer \_\_\_\_\_

Well Driller  Registered Plumber \_\_\_\_\_

Name of Property Owner Winchester Homes

Telephone \_\_\_\_\_

Subdivision Huntelbrooke Lot # 28

Well Tag # HO-94-1721

Site Address 8099 Huntfield Dr.

Pump

- 1. Type
  - a. Deep well jet \_\_\_\_\_
  - b. Shallow well jet \_\_\_\_\_
  - c. Submersible

Motor

- 1. Horsepower \_\_\_\_\_
- 2. RPM 3450
- 3. Voltage \_\_\_\_\_
  - a. 110 \_\_\_\_\_
  - b. 220

Pitless Adapter

- 1. Make Martinson
- 2. Model # B-10X
- 3. Depth 3 1/2

2. Make Goelco

3. Model # 5G507422

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 \_\_\_\_\_

Tank

- 1. Capacity 80
- 2. Pressure relief valve? yes

Piping

- 1. Type PE
- 2. Size 1"
- 3. NSF and/or BOCA Code approved yes
- 4. Depth of supply line 3 1/2

Well data

- 1. Depth 40 ft.
- 2. Yield 2 GPM
- 3. Static water level \_\_\_\_\_ ft.
- 4. Will water supply be disinfected by installer? yes

4/12/00

WELL LINE OK  
MR

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: \_\_\_\_\_

Date: 5

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

C1 4398

SEQUENCE NO. 191  
(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 57659U

ST/CO USE ONLY  
DATE RECEIVED  
MM 10 23 98  
DD 13

DATE WELL COMPLETED  
MM 10 10 98  
DD 20

Depth of Well  
22 400 26  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
HO-94-1721  
28 29 30 31 32 33 34 35 36 37

OWNER Winchester Homes  
STREET OR RFD Hunter Ln  
SUBDIVISION Hunterbrook SECTION TOWN Fulton LOT 20

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	
Top Soil	0	2	
Brown Shale	2	15	
Brown Mica	15	40	
Gray Mica	40	78	
Brown Mica	78	80	✓
Gray Mica	80	400	

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 13 NO. OF POUNDS 1300  
GALLONS OF WATER 65  
DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 47 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)  
ST 6 51

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

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

C3 PUMPING TEST  
HOURS PUMPED (nearest hour) 6  
PUMPING RATE (gal. per min.) 2  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface)  
BEFORE PUMPING 23 ft.  
WHEN PUMPING 110 ft.  
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 INSTALLED 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) / LAND SURFACE  
+ above }  
- below } 2 (nearest foot)

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.

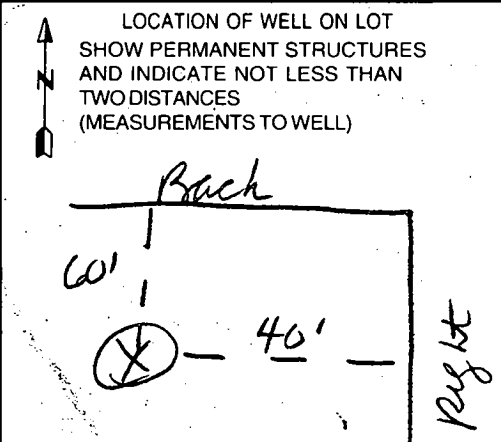
DRILLERS LIC. NO. MWD 040  
George F. Easton  
DRILLERS SIGNATURE  
LIC. NO. MWD 038  
Boris Hanson

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

C2 DEPTH (nearest ft.)  
1 HO 49 400  
EACH CASING diameter inch depth (feet) from to  
A 8 9 11 15 17 21  
C 23 24 26 30 32 36  
R 38 39 41 45 47 51  
E SLOTTED SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH)  
56 60  
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 Q  
70 72 74 75 76  
TELESCOPE CASING LOG INDICATOR OTHER DATA



Date \_\_\_\_\_ of \_\_\_\_\_

Review 10/26/98 OK

10/17/98

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 94-1721  
 Location of property (road) Hunter Drive  
 Subdivision Hunterbrook Lot 20 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller George Easterday Owner Winchester Homes

Depth of well 400 1 1/2 gpm  
 Distance of measuring point (M.P.) above ground 2 feet  
 Static water level (S.W.L.) below M.P. 23 feet

**I. High rate pumping -- reservoir drawdown**

Time pump started 5:15 Pumping rate 15 gpm  
 Total time 15 min to reach pumping water level 110' ft. below M.P.

**II. Recovery pump test data - observations to be recorded every 15 minutes** PUMP SET 380

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
5:30	110'	20 seconds		3
5:45	110'	20 seconds		3
6:00	110'	28 seconds		2.4
6:15	110'	28 seconds		2.4
6:30	110'	28 seconds		2.4
6:45	110'	28 seconds		2.4
7:00	110'	28 seconds		2.4
7:15	110'	30 seconds		2
7:30	110'	30 seconds		2
7:45	110'	30 seconds		2
8:00	110'	30 seconds		2
8:15	110'	30 seconds		2
8:30	110'	30 seconds		2
8:45	110'	30 seconds		2
9:00	110'	30 seconds		2
9:15	110'	30 seconds		2
9:30	110'	30 seconds		2
9:45	110'	30 seconds		2
10:00	110'	30 seconds		2
10:15	110'	30 seconds		2
10:30	110'	30 seconds		2
10:45	110'	30 seconds		2
11:00	110'	30 seconds		2
11:15	110'	30 seconds		2
11:30	110'	30 seconds		2

**B 1** 5192 SEQUENCE NO. (MDE USE ONLY)

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

STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
HO-94-1721  
 fill in this form completely

Date Received (APA) 082998

**B 3** OWNER INFORMATION **RN 7587**

15 Winchester Homes, Inc. First Name 34  
 36 6395 Ivy Lane, Suite 700 Street or RFD 55  
 57 Greenbelt, Md. 20770 Town 70 State 72 Zip 76

**B 3** LOCATION OF WELL

8 COUNTY Howard 21 CC#

23 SUBDIVISION Hunterbrooke 42

SECTION 44 46 LOT 20 50

52 NEAREST TOWN Fulton 71

MILES FROM TOWN (enter 0 if in town) 0 M I  
 73 0 76.77 78

**DRILLER INFORMATION**

Driller's Name George F. Easterday M W D License No. 040 81

Firm Name L. Franklin Easterday, Inc.

Address 9265 Brown Church Rd., MT. Airy, Md. 21774

Signature George F. Easterday Date 8/26/1998

**B 4** DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

11 Hunterbrooke Drive 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 150 37  
 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

**B 2** WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 20

NOT TO BE FILLED IN BY DRILLER - HEALTH DEPARTMENT APPROVAL

Howard Co COUNTY NAME A576594 COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED 9/2/98 10700000 9/2/99  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 470 000 EAST GRID 820 000  
 50 55 57 63

**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 APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 300 FEET  
 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST TOWN

**METHOD OF DRILLING** (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTARY AIR-PERcussion ROTARY (Hydraulic Rotary)

37 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

39  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

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X → X 107-98

SOURCES OF DRILLING WATER

1. GROUT

2. wells

3. Cancelled No insp

WRITE THE BOX NUMBER FROM THE MAP HERE

E 820

N 470

10-10-98 All  
GROUT  
no insp

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROX. PERMIT NUMBER 54 G A P 63

WRITE INITIALS IN BOX PERMIT No. HO-94-1721  
 FORCE An 67 68 70 71 72 73 74 75 76 77 78 79

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

Linnie Kien Fulton

1000 VA 58 Hunterbrooke X3

EMERGENCY PERMIT RECEIVED

MAP 18 G5

P. 100  
2128/235  
ZONED RR

PARCEL D  
(NON-BUILDABLE)



