

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

10/8/99 needs tie and pump perf. test. (KS)

P 511345

A 57659-W

DISTRICT _____

DATE 1-12-1999

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

05-430100

INDEXED

DATE SYSTEM APPROVED 1/18/00

INSPECTOR S.R.K.

Winchester Homes, Inc. IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 6305 Ivy Lane, Greenbelt, Maryland 20770 PHONE 301-474-4411

SUBDIVISION Hunterbrooke LOT 21 ROAD 8060 Hunterbrooke Lane

PROPERTY OWNER TIM + MARY ELLEN WILLMAN Winchester Homes, Inc.

ADDRESS _____

<u>TOP SEAMED TANK-MANHOLE CLEANOUT REQUIRED</u>	<u>PUMPED SEPTIC SYSTEM REQUIRED</u>
SEPTIC TANK CAPACITY <u>1250</u> GALLONS	INSTALL: 1-1250 GALLON PUMP CHAMBER-MANHOLE CLEANOUT REQUIRED. <u>TOP SEAMED TANK REQUIRED</u>
NUMBER OF BEDROOMS <u>4</u>	NOTES: - Septic pump detail to be provided by installer prior to issuance of septic permit.
<u>240</u> SQUARE FEET PER BEDROOM	- Pump performance test is necessary prior to Health Department approval of pumped septic system.
LINEAR FEET OF TRENCH REQUIRED <u>320</u>	

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 - Beginning from the intersection of the front and left (170.50') lot lines, begin trenches 220 feet down the front lot line and 10 feet off that same lot line. 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 Km 1-25-99

WATERTIGHT COMPARTMENTED SEPTIC TANK WITH WASTEWATER EFFLUENT FILTER REQUIRED.

PLANS APPROVED BY Amy McMillen/Donna K. Soe DATE 1-22-99

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)

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

B00115684
1/22/99

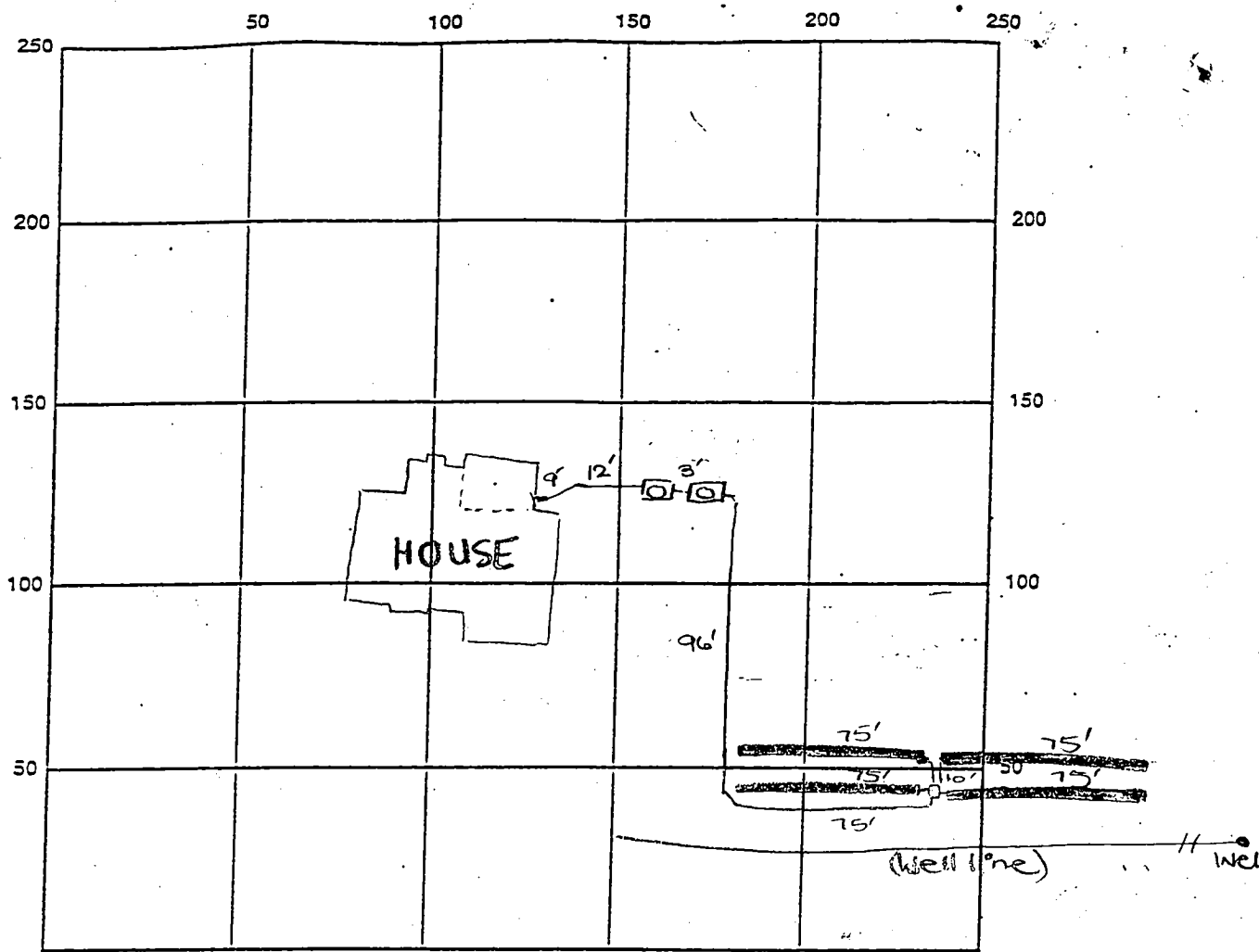
ALL PERMITS SHOWN
AND RETURNED 2/7/02
B00134251
INEROUND CONCRETE POOL + SPA

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

1 57659 W

NOT TO SCALE



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE
HUNTERBROOKE LANE

SEPTIC TANK LEVEL OK-1500 gal TS. compact CLEANOUTS manhole on sit. and pump pit

DISTRIBUTION BOX LEVEL OK

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 4 x 75 FT. → 300

NUMBER OF TRENCHES 4 ONE SIDEWALL / BOTTOM AREA 900 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: 10/7/99 Needs house connection. OK to cover tanks.
OK to install only 300 feet of trench to best use septic area.
10/8/99 OK to cover all septic work. Needs house connection
and pump performance test for final. DKS
10/8/99 WPI - well line 3.5' below grade; well casing 1' + above
grade; 2 pc cap installed; PVC conduit pipe installed → OK to cover. DKS

DATE SYSTEM APPROVED 1/18/00 INSPECTOR Steven R. King

1/18/00 - House connection made, pump ok / high water alarm ok - (SRK)

APPLICATION

PERCOLATION TESTING

A _____

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2840

DISTRICT 5th

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

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

AGENT OR PROSPECTIVE BUYER Winchester Homes & David Meinert

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

PROPERTY LOCATION:

SUBDIVISION PRINCE PROPERTY LOT NO. 21

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)

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 F. Meinert
(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

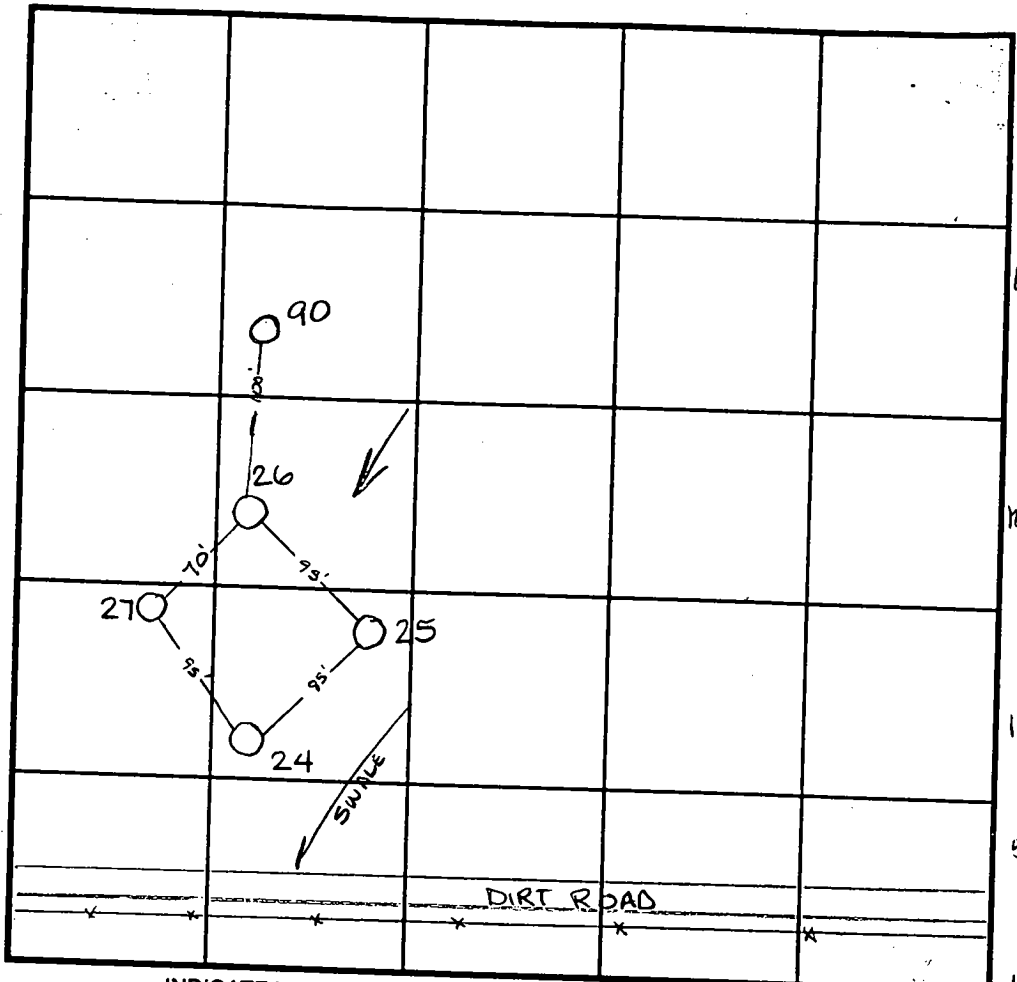
COUNTY #

SOIL PROFILE

0' **27**
 bright orange dark Si cilm
 5.0 dark red brn Sa cilm
 9.5 mottled Mg iron deposits water related
 11.0 water

24
 dark red Si cilm
 3.0 micaceous lgt brn sil
 6.0 light brown sil micaceous caving at 9.0 water @ 9.0

26
 orange red Si cilm
 3.0 tan orange Si cilm
 5.0 dark red Sa cilm
 cream colored layered between orange evidence of H₂O



SOIL PROFILE **25**
 0' bright red Si cilm
 6.0 yellow orange Sa cilm
 orange sil
 10.0 lgt grey Si Sa cilm dry but mottled
 12.0 **90**
 bright red Si cilm
 5.0 lgt orange brown w/ packets of bright yellow orange Si Sa cilm
 11.5 mottled or grey sil
 12.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-29-97	27	6.0 / VII.0	10:05 ³⁰	10:10	10:10	10:17	17min
		Insufficient depth to H ₂ O					F
	24	5.5 / VII.0	10:08	10:09	10:09	10:11 ³⁰	2 1/2 min
		Insufficient depth to H ₂ O					F
5-1-97	26	5.5 / XII.0	1:57	2:00 ³⁰	2:00 ³⁰	2:10	9 1/2 min
	25	6.0 / XII.0	2:02	2:11	2:11	2:30	19min
5-8-97	90	5.5 / XII.0	10:06	10:10	10:10	10:23	13min

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY Amy McMullen ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____
 SQ. FT./BEDROOM _____

APPLICATION

PERCOLATION TESTING

A 57659

P _____

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

DISTRICT 5th

DATE 1-31-97
1-29-97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER Edward Robert Prince

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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. 16 21

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

TAX MAP 46 PARCEL # 360 & 1/344

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

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(SIGNATURE OF APPLICANT)

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DISAPPROVED BY _____ FOR _____ DATE _____

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REASONS FOR REJECTION OR HOLDING _____

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

THIS IS NOT A PERMIT

A 57659

COUNTY #

SOIL PROFILE

H7

clay
to 7.0
water
standing
at
6.0
open
2 hrs

H8

orange
brn
Sicilm

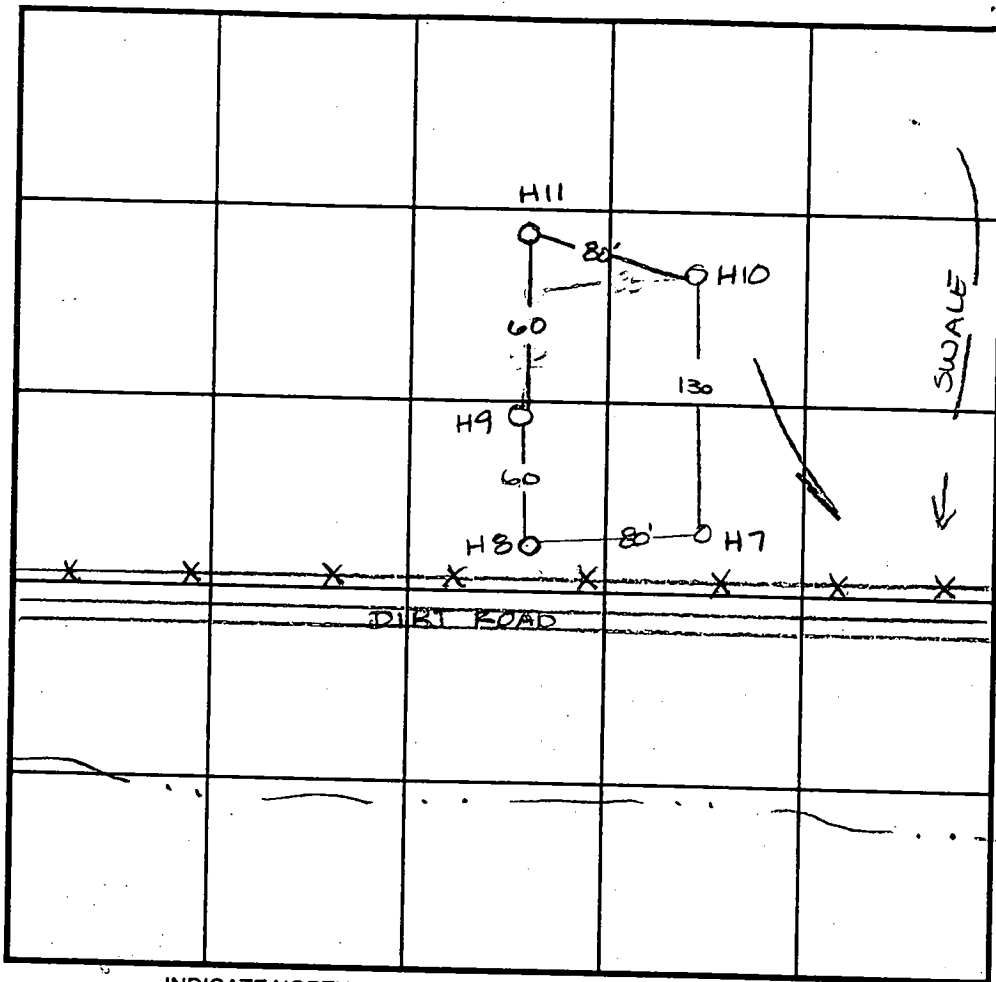
red
brn
Salim

mottled
grey
Silm
seepage
at
10.0

H9 & H10

dark
red
brown
Sicilm

lgt
orange
to
grey
Silm
5%
micaceous
saprolite



SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-5-97	H7	Insufficient dept to h ₂ O			see profile		F
	H8	Deep clay & insufficient dept to h ₂ O					
	H9				see profile		F
	H9	6.0 V11.0	11:41	11:54	11:54	12:20	26min
	H10	6.0 V12.0	11:48	11:54	11:54	11:02	8min

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./BEDROOM _____

APPLICATION

PERCOLATION TESTING

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

DISTRICT 5th

DATE 1-31-97
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TO: THE COUNTY HEALTH OFFICER
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ADDRESS 6305 Ivy Lane Ste 700 Greenbelt Md 20770 PHONE 301-489-1205

PROPERTY LOCATION:

SUBDIVISION PRINCE PROPERTY LOT NO. 16 ²¹ 8001 Street

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

TAX MAP 46 PARCEL # 360 & 1/0 344

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THIS IS NOT A PERMIT

A57659

COUNTY #

SOIL PROFILE

H10

0'
dark red brn SiClM
6.0
lgt orange grey SiM
micaceous Saprolite 5%

H11 & H13

lgt orange red SiClM

lgt orange tan SiSaM 5% Saprolite

H12

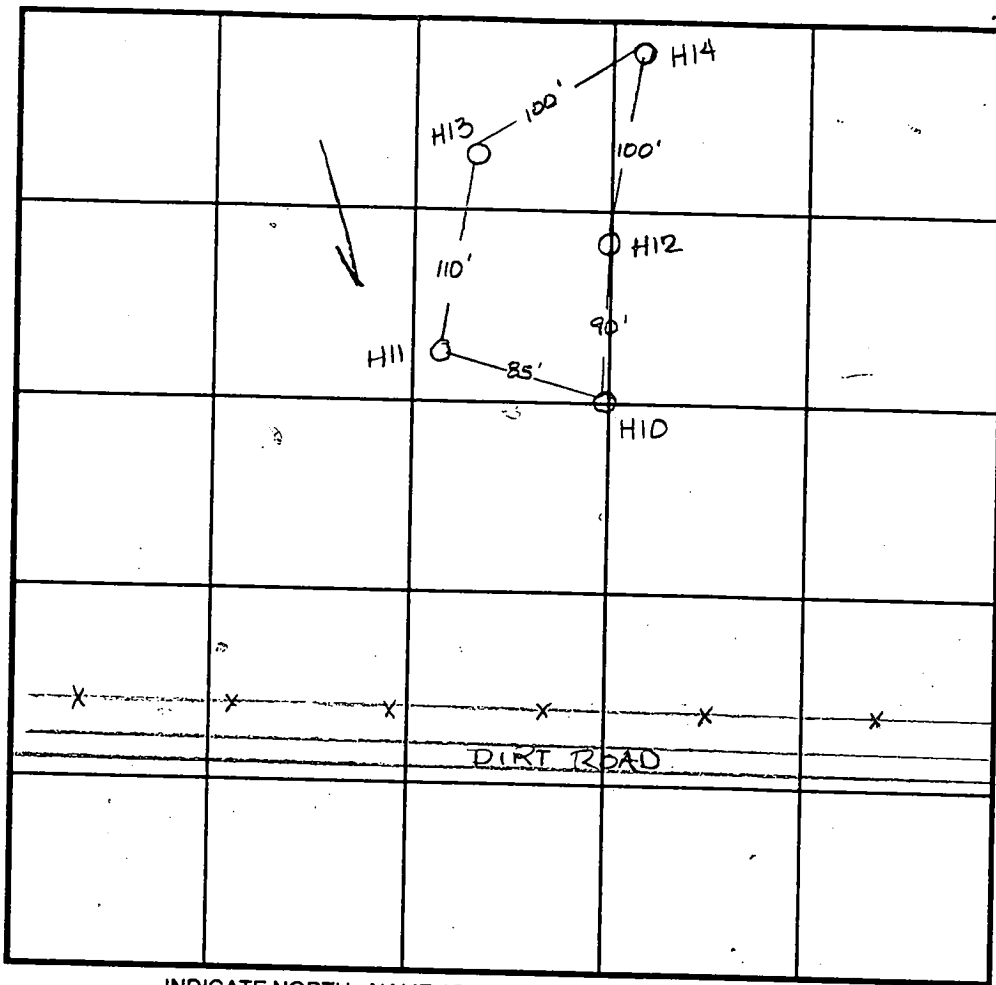
dark red SiClM

lgt pink to grey SiM 5% micaceous Saprolite

SOIL PROFILE

H14

0'
dark brn SiClM
3.0
dark red SiClM
water melting from frost @ 7.5'
5.0
lgt tan beige SiM 5%



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-5-97	H10	6.0 / 12.0	11:48	11:54	11:54	12:02	8min
	H11	5.5 / 12.5	12:16	12:18	12:18	12:21 ³⁰	3 1/2 min
	H12	5.0 / 11.5	11:51	11:59	11:59	12:11	12min
	H13	6.5 / 12.5	12:04	12:06	12:06	12:14	8min
	H14	5.0 / 12.0	2:40	2:44	2:44	2:56	10min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMullen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

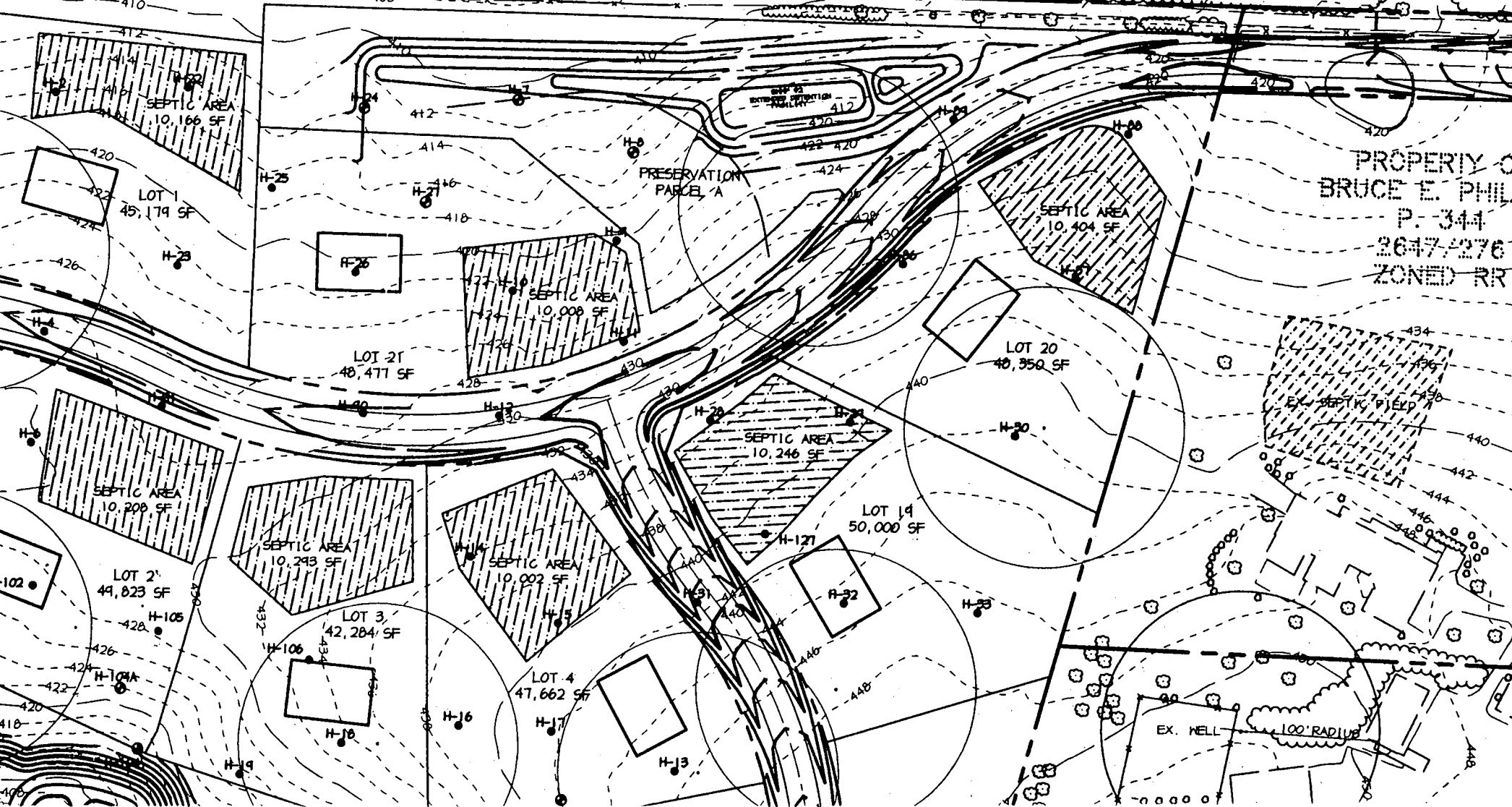
11.5

Approved Perc Cert 1-14-98

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

PARCEL-D
(NON-BUILDABLE)

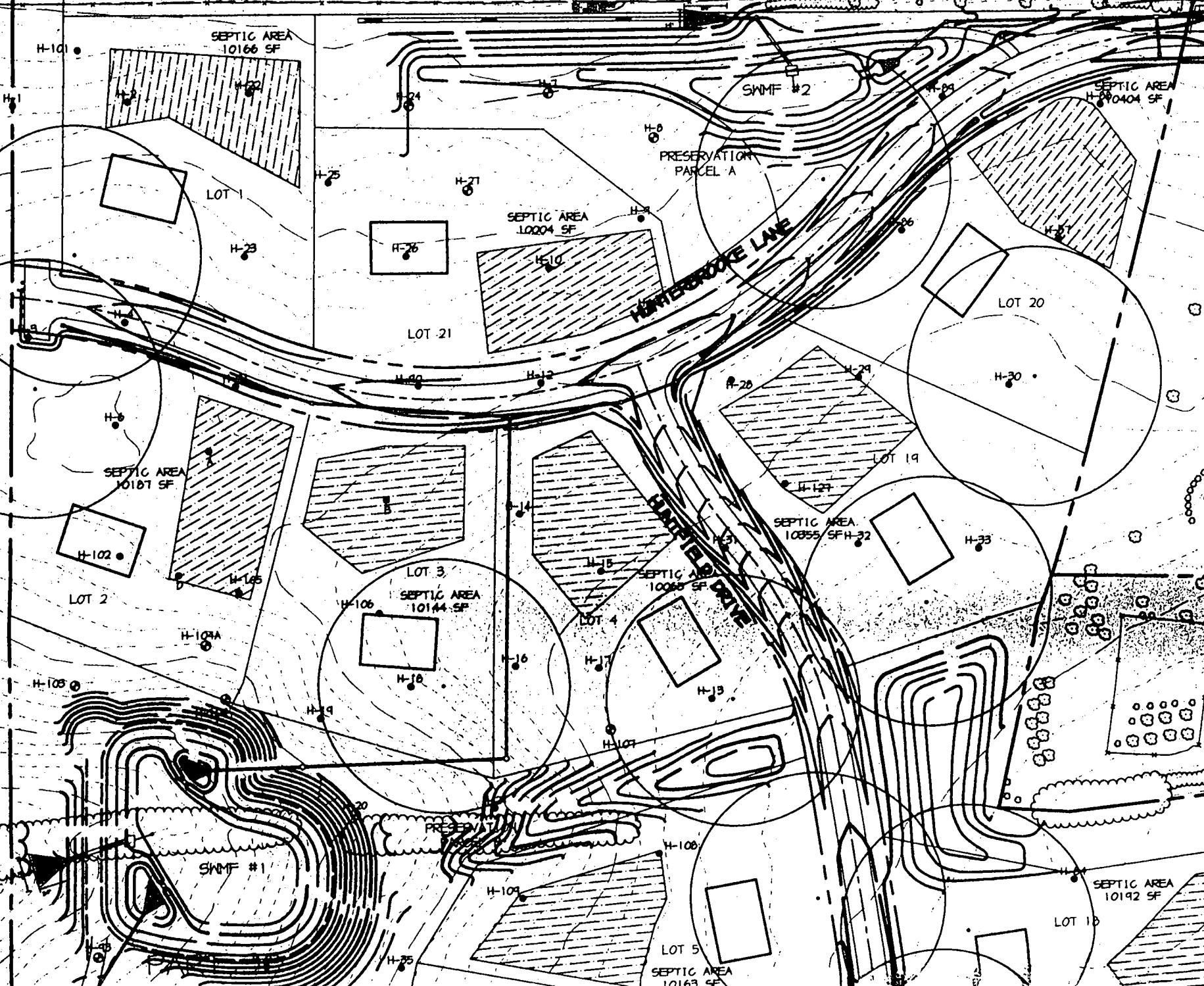
PROPERTY OF
BRUCE E. PHIL
P. 344
2647/276
ZONED RR



ZONED RR

PARCEL D
(NON-BUILDABLE)

Revised Perc Cert
11-2-98



EX. PRIVATE ACCESS EASEMENT
L. 2110, F. 286
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

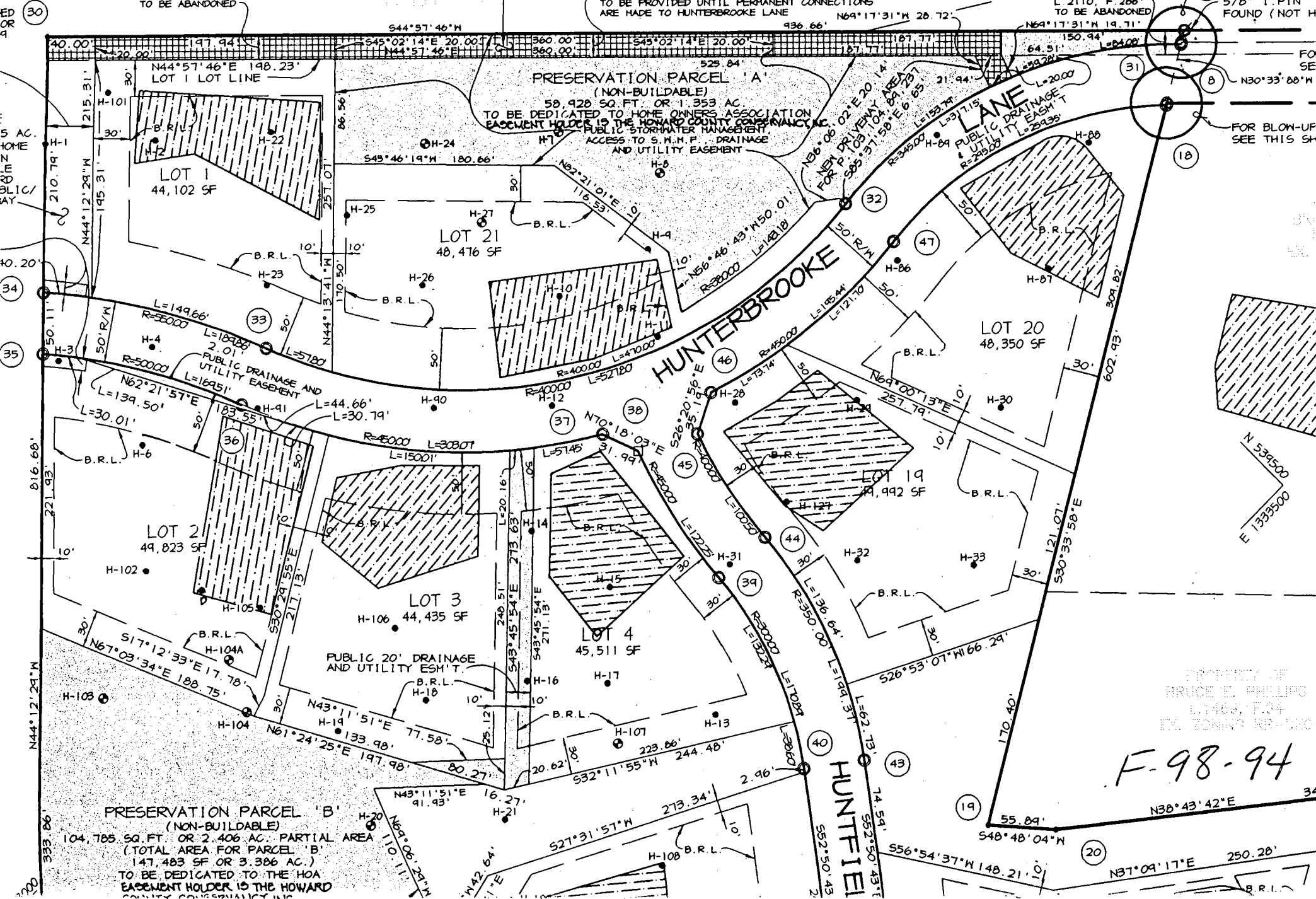
REVERTIBLE TEMPORARY ACCESS EASEMENT AREA
TO BE PROVIDED UNTIL PERMANENT CONNECTIONS
ARE MADE TO HUNTERBROOKE LANE

EX. PRIVATE
ACCESS EASEMENT
L. 2110, F. 286
TO BE ABANDONED

FOR BLOW-UP
SEE THIS SHEET

5/8" I. PIN
FOUND (NOT H)

FOR BLOW-UP
SEE THIS SH



F-98-94

PROPERTY OF
BRUCE E. PHILLIPS
L. 1468, F. 34
EX. ZONING MAP 120

Kim
410-313-2648

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-W Ellicott Mills Drive
Ellicott City, MD 21043
461-9833

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 10-2-99

Name of Installer Daniel Wilson

Telephone _____

License Number SSD065

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Woodloch Homes

Telephone _____

Subdivision Burns Park Lot # 21

Well Tag # 70 94 - 1282

Site Address 300 Woodloch Court

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible
- 2. Make Grundfos
- 3. Model # 5 G50742
- 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 _____

Motor

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

Pitless Adapter

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

Tank

- 1. Capacity 50
- 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 405 ft.
- 2. Yield 1 GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? yes

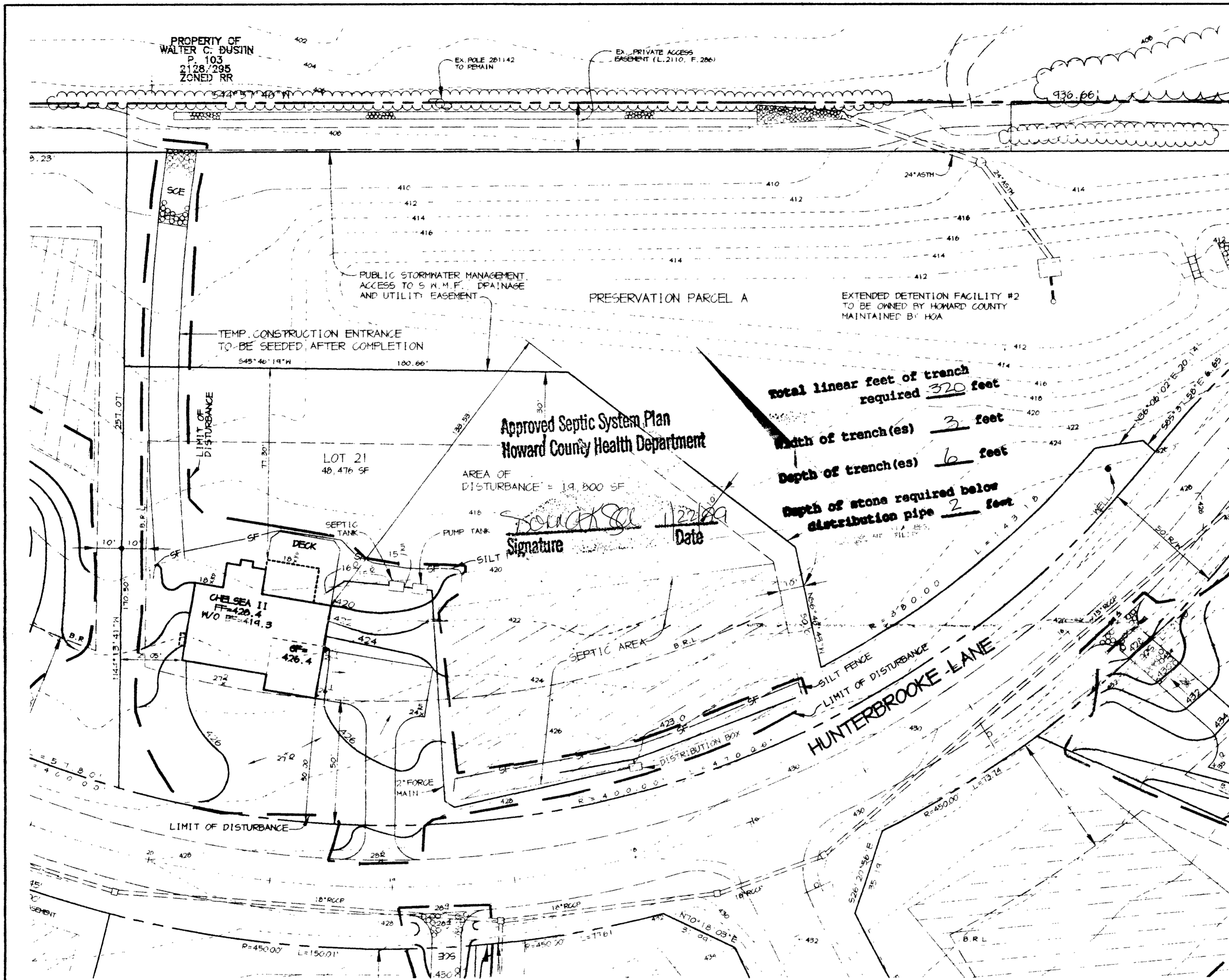
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

10/8/99-WP104 DWS ^{SRH} Signature of Applicant: Daniel Wilson

Date: 10-2-99

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



PROPERTY OF
WALTER C. DUSTIN
P. 103
2128/295
ZONED RR

EX. POLE 281142
TO REMAIN

EX. PRIVATE ACCESS
BASEMENT (L. 2110, F. 286)

PUBLIC STORMWATER MANAGEMENT
ACCESS TO S.W.M.F. DRAINAGE
AND UTILITY EASEMENT

PRESERVATION PARCEL A

EXTENDED DETENTION FACILITY #2
TO BE OWNED BY HOWARD COUNTY
MAINTAINED BY HOA

TEMP. CONSTRUCTION ENTRANCE
TO BE SEEDED AFTER COMPLETION

Approved Septic System Plan
Howard County Health Department

Signature: *[Signature]*
Date: 1/22/99

Total linear feet of trench
required 320 feet

Width of trench(es) 3 feet

Depth of trench(es) 6 feet

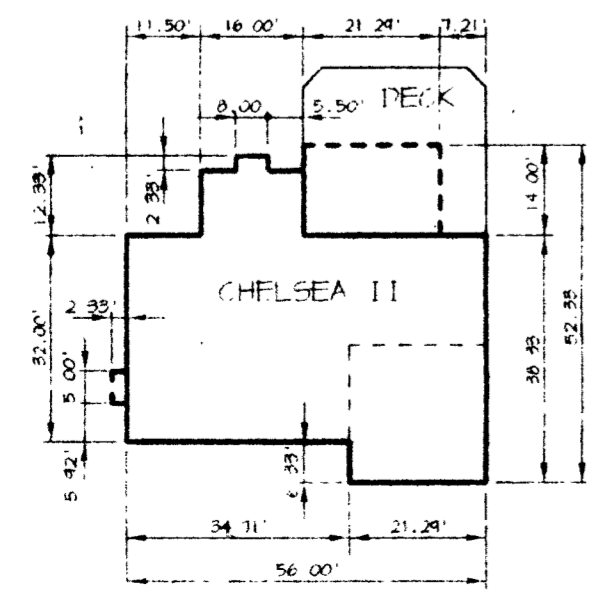
Depth of stone required below
distribution pipe 2 feet

LOT 21
48,476 SF

AREA OF
DISTURBANCE = 19,800 SF

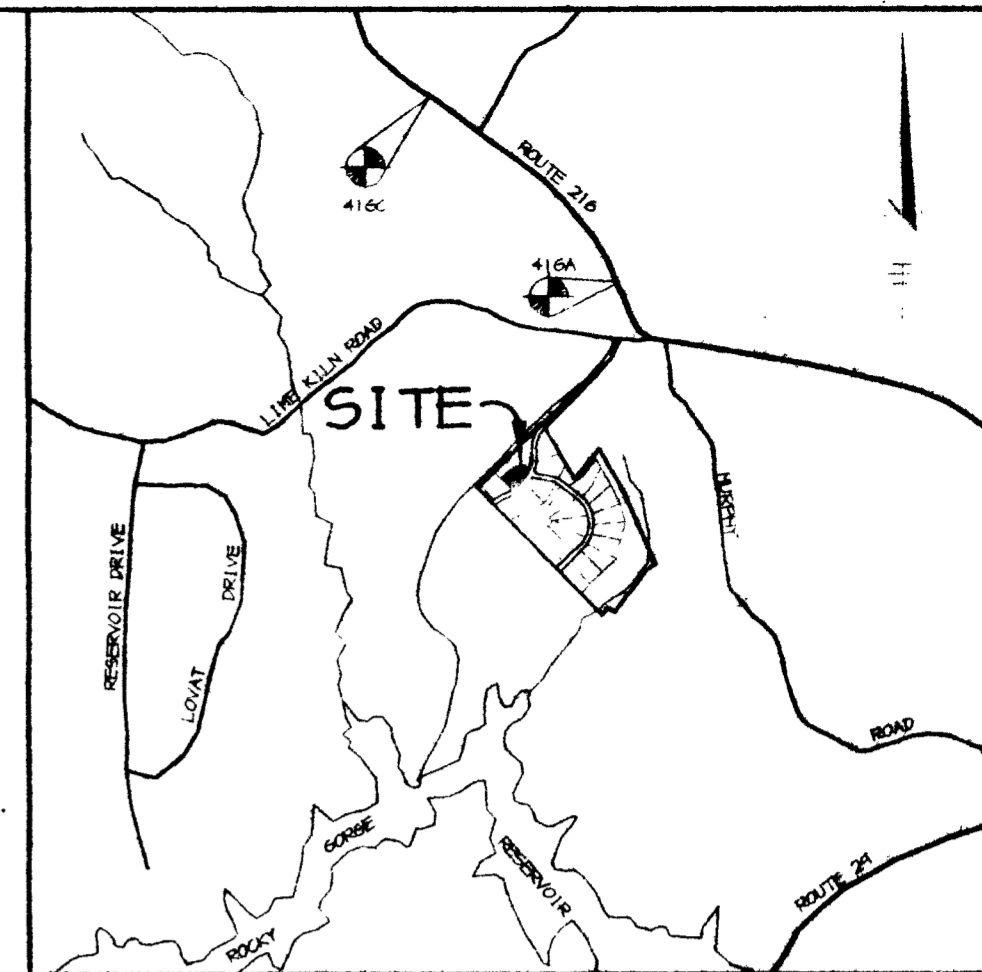
CHELSEA II
F=420.4
W/O F=419.3

HUNTERBROOKE LANE



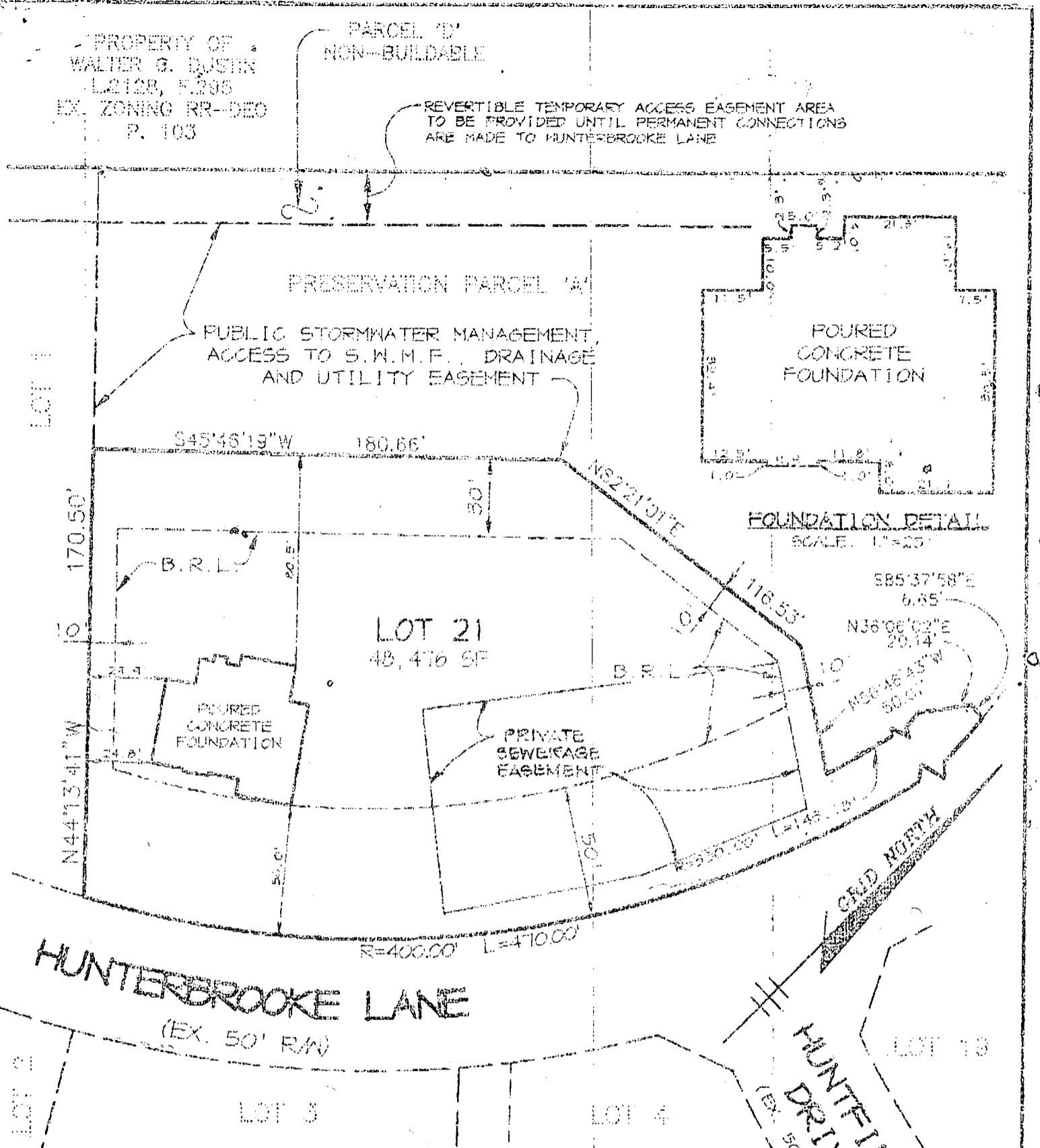
SEPTIC DATA
DEPTH TO INLET = 4'
TRENCH WIDTH = 3'
IF TANK IS DEEPER THAN 3'
PROVIDE ACCESS MANHOLE.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
21	806 HUNTERBROOKE LANE



VICINITY MAP
SCALE: 1" = 2000'

DATE	NO.	REVISION
DEVELOPER WINCHESTER HOMES 6305 Ivy Lane, Suite 800 Greenbelt, Maryland 20770 (301) 474-4411		
OWNER EDWARD ROBERT PRINCE P.O. Box 381 Fulton, Maryland 20759		
PROJECT HUNTERBROOKE LOT 21		
AREA Parcel 360 & P/O 344 Tax Map 46 Zoned RR-DEO 5th Election District Howard County, Maryland		
TITLE PLOT PLAN		
RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282		
DATE	DESIGNED BY : C.J.R.	
	DRAWN BY : DAM	
	PROJECT NO : 97150/SDPS LOT21.DWG	
	DATE : JANUARY 6, 1999	
	SCALE : 1" = 30'	
ARTHUR E. MUEGGE #8707	DRAWING NO. 1 OF 1	



TOP FOUNDATION ELEVATION = 426.0'
 B.R.L. - DENOTES BUILDING RESTRICTION LINE

NOTE:

- a. THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED TRANSFER, FINANCING, OR RE-FINANCING;
- b. THE PLAT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS; AND
- c. THE PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE.

THIS IS TO CERTIFY THAT I HAVE SURVEYED THE PROPERTY SHOWN HEREON FOR THE PURPOSE OF LOCATING THE IMPROVEMENTS ON SAID PROPERTY AND THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN; AND FURTHER CERTIFY THAT THE SUBJECT PROPERTY LIES IN ZONE "C" (AREA OF MINIMAL FLOODING) AS SHOWN ON F.I.R.M. MAP No. 240044 0042B DATED 12-04-86 FOR HOWARD COUNTY, MARYLAND.



Arthur E. Muegge
 ARTHUR E. MUEGGE #10751

9/30/99 Wall check
 consistent w approved
 BP plan OK to proceed
 A

RIEMER MUEGGE & ASSOCIATES, INC.
 SUITE 200
 8818 CENTRE PARK DRIVE
 COLUMBIA, MARYLAND 21045

LOCATION DRAWING

LOT 21
 HUNTERBROOKE

5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 PLAT Nos. 13489 THRU 13491

TELEPHONE
 (410) 997-8900

FAX
 (410) 997-0282

SCALE: 1"=50' PROJ. No. 99099 DRAWN BY: D. B. S. DATE: 09-24-99

C1 4399

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A57659W

ST/CO USE ONLY DATE RECEIVED 10 26 98

DATE WELL COMPLETED 10/17/98

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1722

OWNER Winchester Homes STREET OR RFD Hunter Ln TOWN Fulton SUBDIVISION Hunterbrook SECTION LOT 21

WELL LOG

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown Sand, Brown mica, Gray mica, Brown mica, Gray mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) CEMENT BENTONITE CLAY NO. OF BAGS 21 NO. OF POUNDS 2100

CASING RECORD

MAIN CASING TYPE 9T Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 60

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) (P) (L) (O) (T)

DEPTH (nearest ft.) 110 58 400

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...

DRILLERS LIC. NO. 1 MW 040 George F. Esterline DRILLERS SIGNATURE

LIC. NO. 1 JW D 038 Bruce Thompson

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

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

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 1.1 METHOD USED TO MEASURE PUMPING RATE Bucholt WATER LEVEL (distance from land surface) BEFORE PUMPING 22 WHEN PUMPING 160 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED 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 LAND SURFACE (-) below 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

see plot

Date _____ of _____

Review 10/26/98 OK DAN

10/17/98

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1722
 Location of property (road) Hunter Drive
 Subdivision Hunterbrook Lot 21 Block _____ Plat _____ Sec. _____
 Well Driller George Easterday Owner Winchester Homes

Depth of well 400 29 pm
 Distance of measuring point (M.P.) above ground 2' foot
 Static water level (S.W.L.) below M.P. 22' foot

I. High rate pumping -- reservoir drawdown

Time pump started 4:30 AM Pumping rate 159 PM
 Total time 15 min to reach pumping water level _____ 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 5/1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
4:45	160'	20 seconds		3
5:00	160'	20 seconds		3
5:15	160'	20 seconds		3
5:30	160'	20 seconds		3
5:45	160'	25 seconds		2.10
6:00	160'	25 seconds		2.10
6:15	160'	28 seconds		2.4
6:30	160'	30 seconds		2
6:45	160'	45 seconds		1.5
7:00	160'	60 seconds		1
7:15	160'	60 seconds		1
7:30	160'	60 seconds		1
7:45	160'	60 seconds		1
8:00	160'	60 seconds		1
8:15	160'	60 seconds		1
8:30	160'	60 seconds		1
8:45	160'	60 seconds		1
9:00	160'	60 seconds		1
9:15	160'	60 seconds		1
9:30	160'	60 seconds		1
9:45	160'	60 seconds		1
10:00	160'	60 seconds		1
10:15	160'	60 seconds		1
10:30	160'	60 seconds		1
10:45	160'	60 seconds		1

Pump Set 385'

HD-224
10:45

Sony

B 1 **5493**

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-94-1772

fill in this form completely

Date Received (APA) **082898**

OWNER INFORMATION **RN 7588**

Winchester Homes, Inc.
 Last Name Owner First Name

6305 Ivy Lane, Suite 700
 Street or RFD

Greenbelt, Md. 20770
 Town State Zip

B 3 LOCATION OF WELL

Howard COUNTY

Hunterbrooke SUBDIVISION

SECTION **44** LOT **21**

Fulton NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) **0** M I

DRILLER INFORMATION

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

L. Franklin Easterday, Inc.
 Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771
 Address

George F. Easterday **8/26/1998**
 Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Hunterbrooke Drive NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD **40** Ft. ENTER FT OR MI

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION

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

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co COUNTY NAME **A57659W** COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED **9/2/98** **A. McMillan** **9/2/99**
 CO SIGNATURE EXP. DATE

NORTH GRID **470 000** EAST GRID **820 000**

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

APPROXIMATE DIAMETER OF WELL **6** INCH. NEAREST

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- wells**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E **820**

N **470**

10-10-98
 GROUT
 NO INSP
 1000

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)

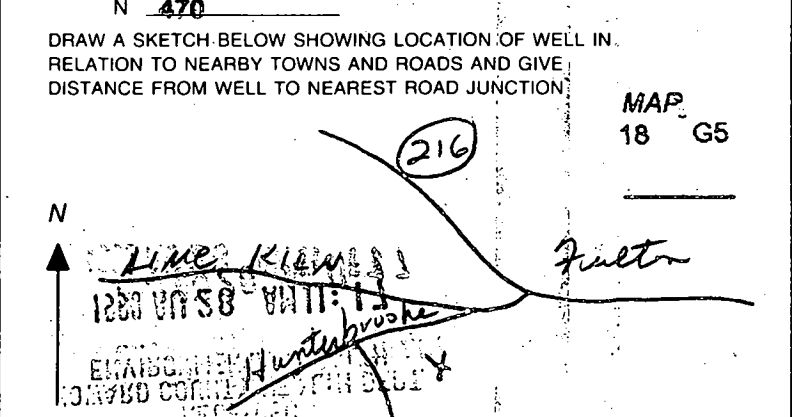
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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 DEEPEM AN EXISTING WELL

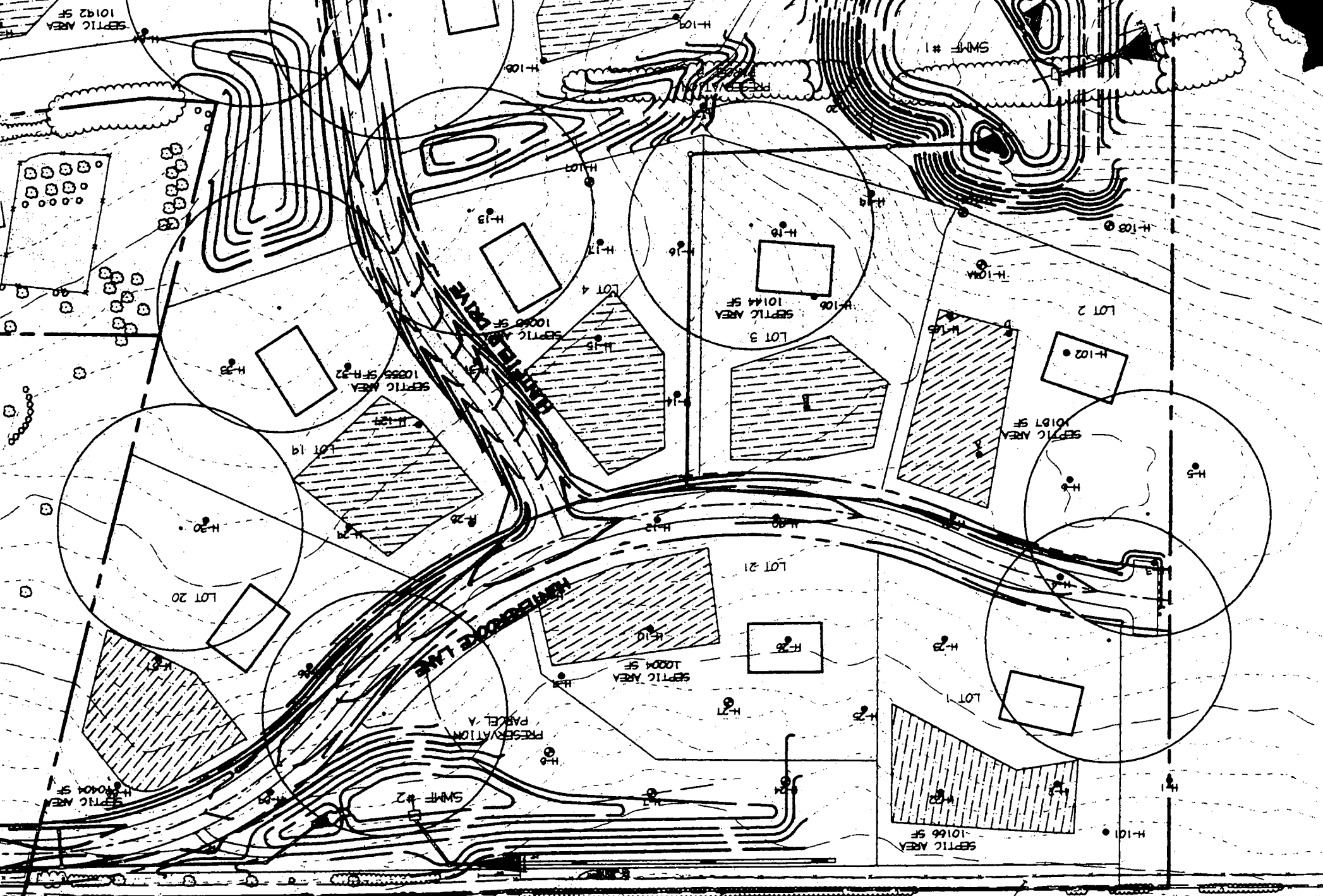
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____



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

APPROX. PERMIT NUMBER **54** G.A.P. **63**

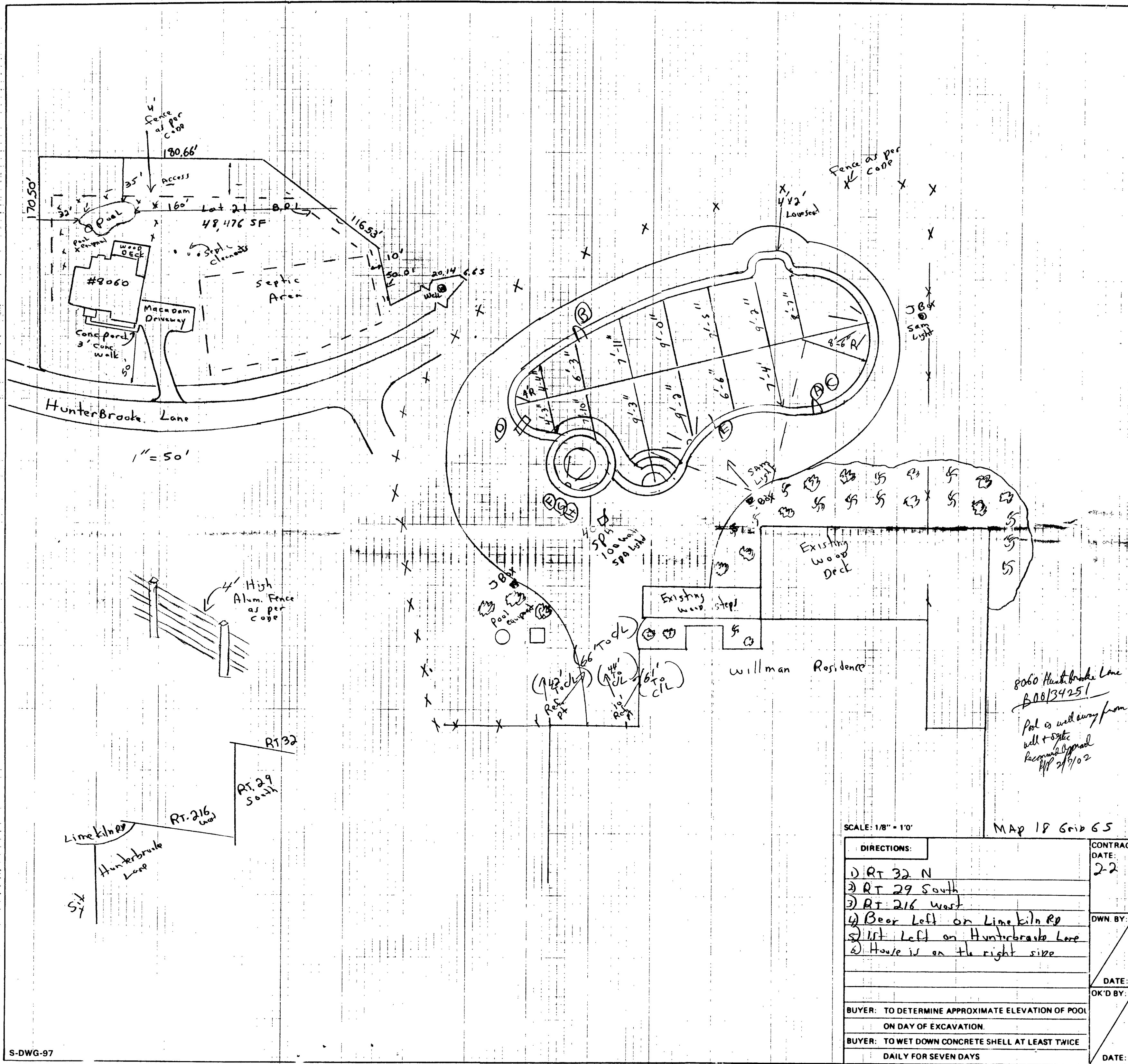
WRITE INITIALS IN BOX **Am** PERMIT No. **HO-94-1772**



F 100
2128/295
ZONED RR

8/3/98
Well site was
staked
de

PARCEL D
(NON-BUILDABLE)



PLUMBING		SET BACKS	
Ⓐ SKIMMER	---	REAR	10'
Ⓑ SKIMMER	---	SIDE	10'
Ⓒ POOL BOTTOM DRAIN	---	HOUSE	10'
Ⓓ RETURNS	---	EQUIP.	---
Ⓔ AUTO. CLEANER	---	FENCE	4'
Ⓕ SPA RETURN	---		
Ⓖ SPA BOTTOM DRAIN	---		
Ⓗ AIR LINE	---		
		CITY WATER	<input checked="" type="checkbox"/>
		WELL WATER	<input checked="" type="checkbox"/>
		SEWER	<input checked="" type="checkbox"/>
		SEPTIC	<input checked="" type="checkbox"/>

ANTHONY & SYLVAN

Where America Swims

NAME: Tim and Mary Ellen Willman
 SITE ADDRESS: 8060 HunterBrooke Lane
Fulton, MD 20759
 MAILING ADDRESS: Same

RES. PH. (301) 493 9606 OFF. PH. (443) 259 4076
 ACCT. NO. 02 031 MR. --- MRS. ---

MODEL: ---
 POOL SHAPE Caprice DEPTH 3'2" TO 8'3"
 WIDTH 21'8" LENGTH 46 PERIM 112
 POOL SQ. FT. 200 STEPS 4 classic SQ. FT.
 COZY CORNER --- SQ. FT. LOVE SEAT --- SQ. FT.
 SPA 40 SQ. FT. TOTAL WATER 748 SQ. FT.
 CAPACITY (GAL) 20139 TURNOVER (HRS) 5.6
 COPING Plant Red Back TILE FLC 30 E
 INT. FINISH white plaster ROPE + FLOATS yes
 FILTER 600 DE PUMP 1.5 H.P.
 SKIMMERS 2 RETURNS 2
 BOTTOM DRAIN 2 LADDER No
 LIGHT-POOL (2) 500 WATTS LIGHT SPA (1) 700 WATTS
 DIVING STAND No BOARD LENGTH No
 VACUUM KIT --- CLEANING KIT yes
 HEATER MODEL Nat Gas BTU'S 399,000
 SELF-CLEANER Palms 380
 INJECTORS-SPA 4 LOVE SEAT COZY CORNER ---
 AIR BLOWER 1 Hf
 SOLAR RECIRCULATING SYSTEM yes
 TEMPORARY FENCE yes
 EXT. 2ND STEP 10 FT.
 WINTER COVER Safety Mesh cover
Clear Upper Pumph Incl
Water Incl
4 weeks of Pool Service Incl
1500 Fine grading Incl

CABLE + UTILITY NO. _____

SITE CONDITIONS

GRADING: 1 HR Incl
 DIRT HAUL 20' DIRT LEAVE ON 80'
 STUMPS: ---
 ELECTRIC BY: Anthony & Sylvan FENCE BY: Owner
 DECK BY: Anthony & Sylvan WALL BY: ---
 GAS LINE BY: Owner VENTED BY: ---

ADDITIONAL NOTES:
920 5 Bowsher Concrete Incl
150 Linear feet of Drain Incl

CONST. OFF. Laurel PH. NO. 301 490 1819
 SALESMAN Parkinson MGR. Parkinson
 SALES OFFICE Ellicott City PH. NO. 410 461 2959
 PERMIT OFFICE: Ellicott City COUNTY: Howard
 PHONE NO. _____

SPECIAL INSTRUCTIONS

CONTRACT DATE:	2-2
DWN. BY:	
DATE:	
OK'D BY:	
DATE:	

SCALE: 1/8" = 10' MAP 18 Grid 65

DIRECTIONS:	CONTRACT DATE:
1) RT 32 N	2-2
2) RT 29 South	
3) RT 216 West	
4) Bear Left on Line kiln Rd	
5) Left Left on HunterBrooke Lane	
6) House is on the right side	
BUYER: TO DETERMINE APPROXIMATE ELEVATION OF POOL ON DAY OF EXCAVATION.	
BUYER: TO WET DOWN CONCRETE SHELL AT LEAST TWICE DAILY FOR SEVEN DAYS	
DATE:	

083572

S-DWG-97