

LAYOUT 7/10/02 10:00 INSP 4 \_\_\_\_\_  
 INSP 2 7/11/02 2:00 INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

04-363604

ISSUE DATE: 7/2/02

P 517344C

APPROVAL DATE: 9/25/02

A 59915-S

**PERMIT  
INDEXED**

**ON-SITE SEWAGE DISPOSAL SYSTEM  
HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL  ALTER   
 ADDRESS: 580 Obrecht Road, Sykesville PHONE NUMBER: 410-795-5670  
 SUBDIVISION: Monticello LOT NUMBER: 17  
 ADDRESS: 1767 Oakdale Drive PROPERTY OWNER: D. R. Horton, Inc.  
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED   
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED   
 NUMBER OF BEDROOMS: 4  
 SQUARE FEET PER BEDROOM: 180  
 LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box 10' off the left 286.28' lot line and 125' from the rear 186.90' lot line. Run trenches on contour towards the right lot line. <u>(3) 80's</u>
NOTES:	

PLANS APPROVED: Brian Baker OK 3/13/02 (50) 3/01/2002

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

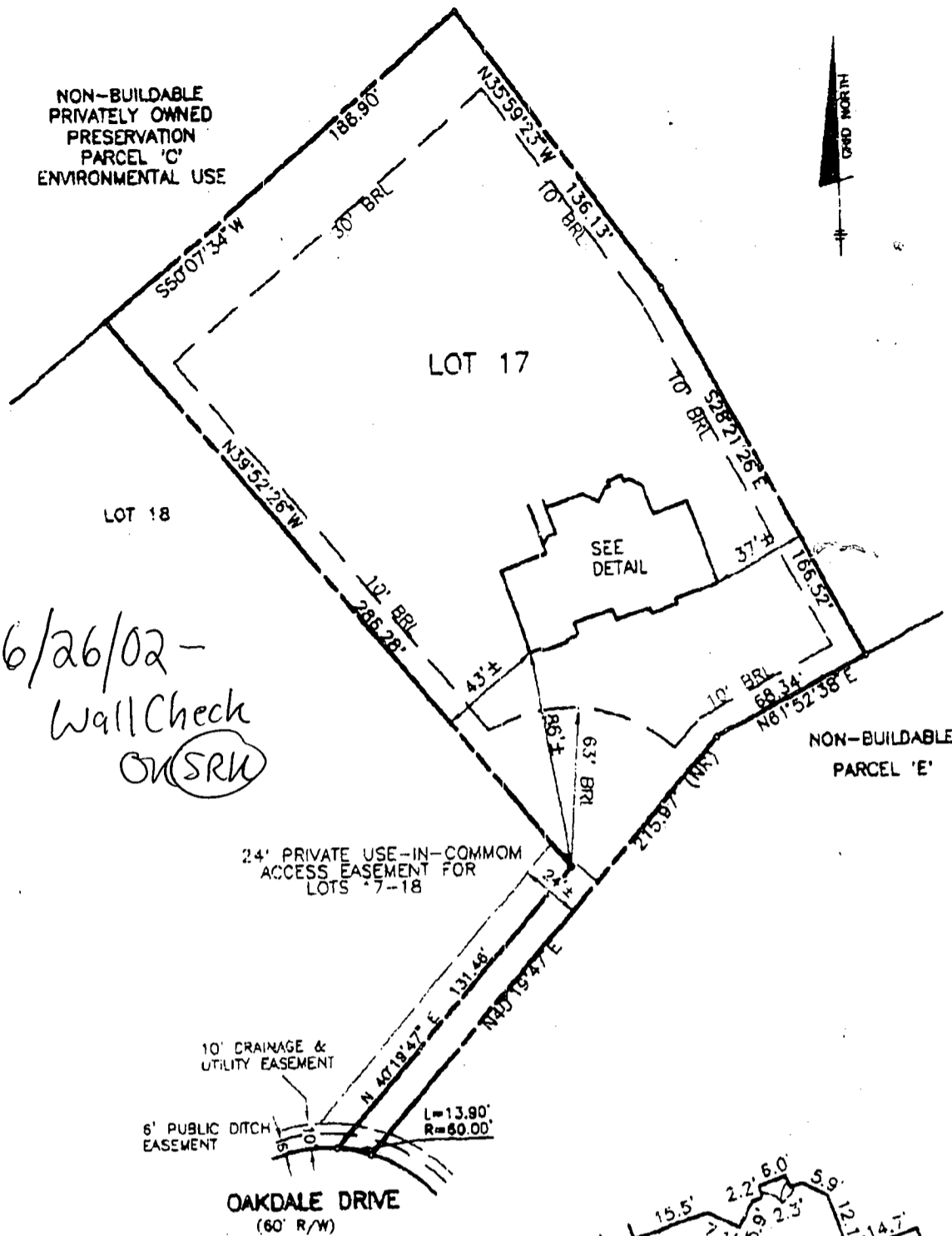
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTED BY THIS PERMIT. BUILDING PERMIT SIGNED AND RETURNED ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

8-1403 860143632-DECK

A59915-S



NON-BUILDABLE  
PRIVATELY OWNED  
PRESERVATION  
PARCEL 'C'  
ENVIRONMENTAL USE



6/26/02 -  
Wall Check  
ON SRU

24' PRIVATE USE-IN-COMMON  
ACCESS EASEMENT FOR  
LOTS 17-18

10' DRAINAGE &  
UTILITY EASEMENT  
6' PUBLIC DITCH  
EASEMENT

OAKDALE DRIVE  
(60' R/W)

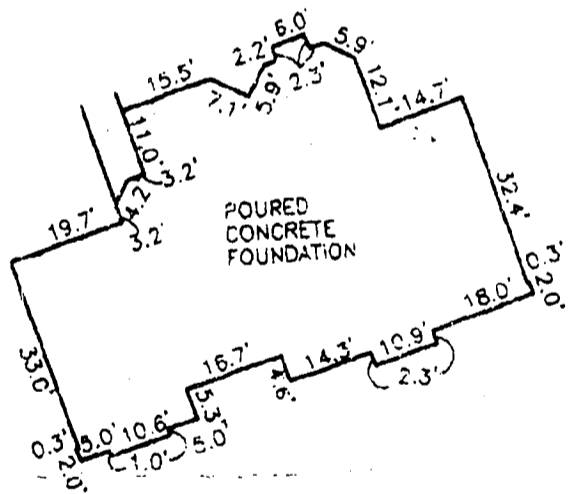
TOP OF FOUNDATION WALL ELEVATION = 577.3'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'  
SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL  
KNOWLEDGE, INFORMATION AND BELIEF, THAT THE  
DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON  
ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN  
SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC.  
ON 05/21/02; AND THAT THE PROPERTY OUTLINE  
SHOWN HEREON IS BASED ON THE PLAT PREPARED BY  
BENCHMARK ENGINEERING, INC. ENTITLED "MONTICELLO  
LOTS 1 THRU 50", AND RECORDED AMONG THE LAND  
RECORDS OF HOWARD COUNTY AS PLAT No. 14088

*David M. Harris*

DAVID M. HARRIS  
REGISTERED PROFESSIONAL LAND SURVEYOR  
MD REG. No. 10978  
FOR BENCHMARK ENGINEERING, INC.  
MD REG. No. 351  
RECORD PLAT No. 14088  
FEMA FIRM No. 240044 0009 B  
ZONE: C  
DATED: 12/04/88

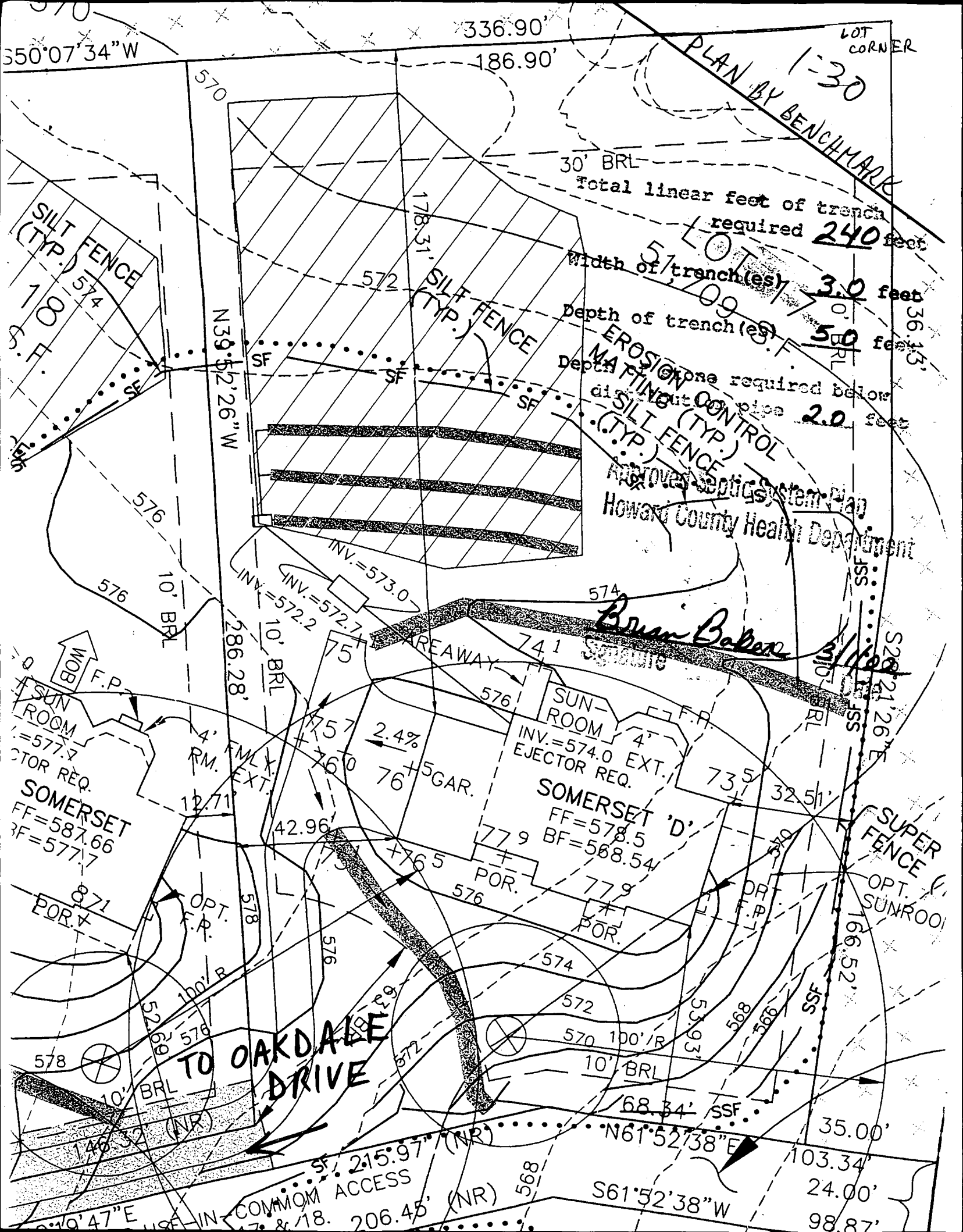
**BENCHMARK**



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK  
MONTICELLO  
LOTS 1 THRU 50  
LOT No. 17



336.90'

LOT CORNER

350°07'34"W

186.90'

PLAN BY BENCHMARK 1-30

30' BRL  
Total linear feet of trench required **240** feet

Width of trench(es) **3.0** feet

Depth of trench(es) **5.0** feet

Depth of matting required below discharge pipe **2.0** feet

SILT FENCE (TYP.)

SILT FENCE (TYP.)

EROSION CONTROL MATTING (TYP.)

Approved Septic System Plan  
Howard County Health Department

*Brian Baker*  
3/1/08

178.31'

N39°52'26"W

MOB F.P.

SUN ROOM  
INV.=577.7

EJECTOR REQ.

SOMERSET  
FF=587.66  
RF=577.7

8.71  
POR.

100' R

578

10' BRL

46.32'

10°47'E

TO OAKDALE DRIVE

215.97' (NR)

COMMON ACCESS  
206.45' (NR)

SUN ROOM  
INV.=574.0 EXT.  
EJECTOR REQ.

SOMERSET 'D'  
FF=578.5  
BF=588.54

77.9  
POR.

77.9  
POR.

574

572

570 100' R

10' BRL

68.34' SSF

SUN ROOM  
INV.=574.0 EXT.  
EJECTOR REQ.

SOMERSET 'D'  
FF=578.5  
BF=588.54

77.9  
POR.

77.9  
POR.

574

572

570 100' R

10' BRL

68.34' SSF

SUPER FENCE  
OPT. SUNROOM

166.52'

35.00'

103.34'

24.00'

98.87'

S61°52'38"W

103.34'

24.00'

98.87'

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: Fogles Well Drilling Telephone #: 410-795-5670  
Address: 580 Obrecht Rd  
Sylva, Md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Allen Compton License #: MSD009

\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: D.R. Horton Telephone #: 301-674-4922  
Subdivision: Monticello Lot #: 17 Well Tag #: HO 94-2115  
Site Address: 1767 Caldale Dr

Submersible Pump Data      Pitless Adapter      Well Cap and Electric Conduit  
Make: Goulds Brunser      Make: Campbell      Two piece watertight cap: yes  
Model #: 8S B05      Model #:      Screened, vented well cap: yes  
Pump Capacity: 8 GPM      Depth: 42 (36" min)      Cap secured to casing: yes  
Well Yield: 15 GPM      NSF/WSC approved: yes      Conduit min 18" B.G.: yes  
Depth of well encountered at time of pump installation: 145 (feet)      Conduit secured to well cap: yes  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1999 Section 17.5.3  
Torque arrestors, Cable guards, or other acceptable method used- Must circle one  
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing no

Piping to house      House Connection  
Type: 1" Black Plastic      PVC sleeve to undisturbed soil or wall penetration: yes  
PSI: 160 (160 psi min)      Approximate length of sleeve: yes  
Depth of supply line: 42 (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.

Signature of company representative responsible for installation: Allen Compton      Date: 9-20-02

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

Date Insp. Requested: 9/13/02 Date Insp. Approved: 9/13/02 Inspector: KN/SRK  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓  
Two piece cap installed and attached to casing securely ✓ BB  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓  
Safety rope not seen outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

C1 9610 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED. COUNTY NUMBER AS9915

ST/CO USE ONLY DATE Received DATE WELL COMPLETED DATE 2 24 99 PERMIT NO. HO-94-2115

OWNER Highland Meadows STREET OR RFD Street A TOWN Glenwood SUBDIVISION Knapp SECTION LOT 17

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Sand (0-63), Gray granite (63-145)

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL (C) CEMENT BENTONITE CLAY (B) NO. OF BAGS 30 NO. OF POUNDS 2820

CASING RECORD MAIN CASING TYPE (S) Nominal diameter top (main) casing 6 Total depth of main casing 68

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

SCREEN RECORD screen type or open hole (S) STEEL (B) BRASS (H) OPEN HOLE (P) PLASTIC (O) OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 MSD 024 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

Table with columns: C 2 DEPTH (nearest ft.), 1-21, 22-36, 37-51. Rows: 1-21 (HO 65, 145), 22-36, 37-51

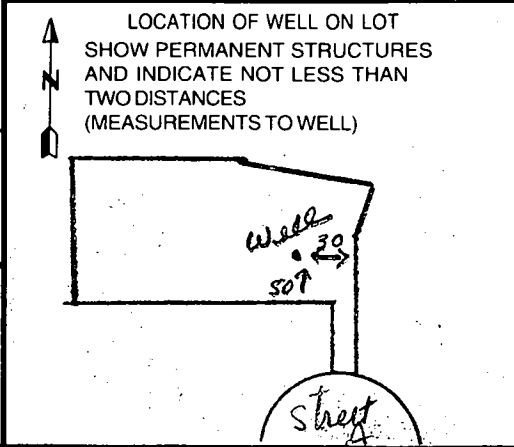
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL: INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

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

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29



B 1 0350

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type.

STATE PERMIT NUMBER

Ho-94-2115

fill in this form completely

Date Received (APA) 12-29-98

OWNER INFORMATION

Highland Development P.O. Box 228 Clarksville Md 21029

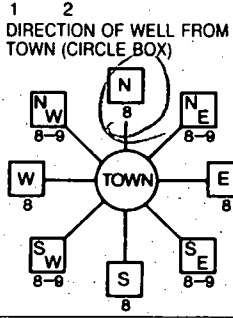
LOCATION OF WELL

Howard Knapp Property Glenwood 3 miles from town

DRILLER INFORMATION

Joseph Maysen S D 024 Joseph L Maysen Well Drilling 5512 Ridge Rd. Mt. Airy 2011

DIRECTION OF WELL FROM TOWN



Street A NEAR WHAT ROAD

ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 200 FT TAX MAP: 8 BLK: 18 PARCEL: 140

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 59915 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 2/16/99 Kim Maisto 2/16/00

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTARY JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRIVE-POINT

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 DEEPEN AN EXISTING WELL

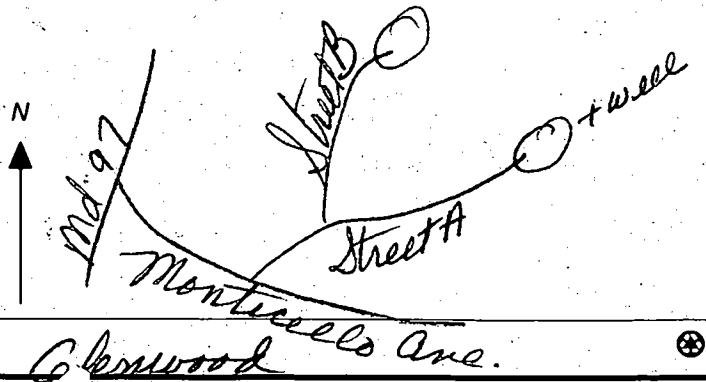
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER Ho-94-2115

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE 7967 5404

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



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

# APPLICATION

## PERCOLATION TESTING

A 59915

P \_\_\_\_\_

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

56 LOTS  
EXISTING HOUSE(S) - W6-03-5607145  
TO BE ELIMINATED  
4 DAYS FOR PERMITS  
WET SEASON TESTING  
4 DAY FOR  
FOLLOW-UP TESTING  
WILL PROBABLY SUBMIT  
FEES &  
IMPROVED PLAN/  
APPLICATION (LW)

DATE 4/3/98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

4/21 - 4/24  
9  
5/19 - 5/22

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICELLO AVE / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 8480 Ballman Not. PIKE PHONE 410-465-4244

### PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION M

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(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] SECURITY DIV.  
(SIGNATURE OF APPLICANT)  
STEVE SHIPLE - TSA

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

AS9914/5  
COUNTY #

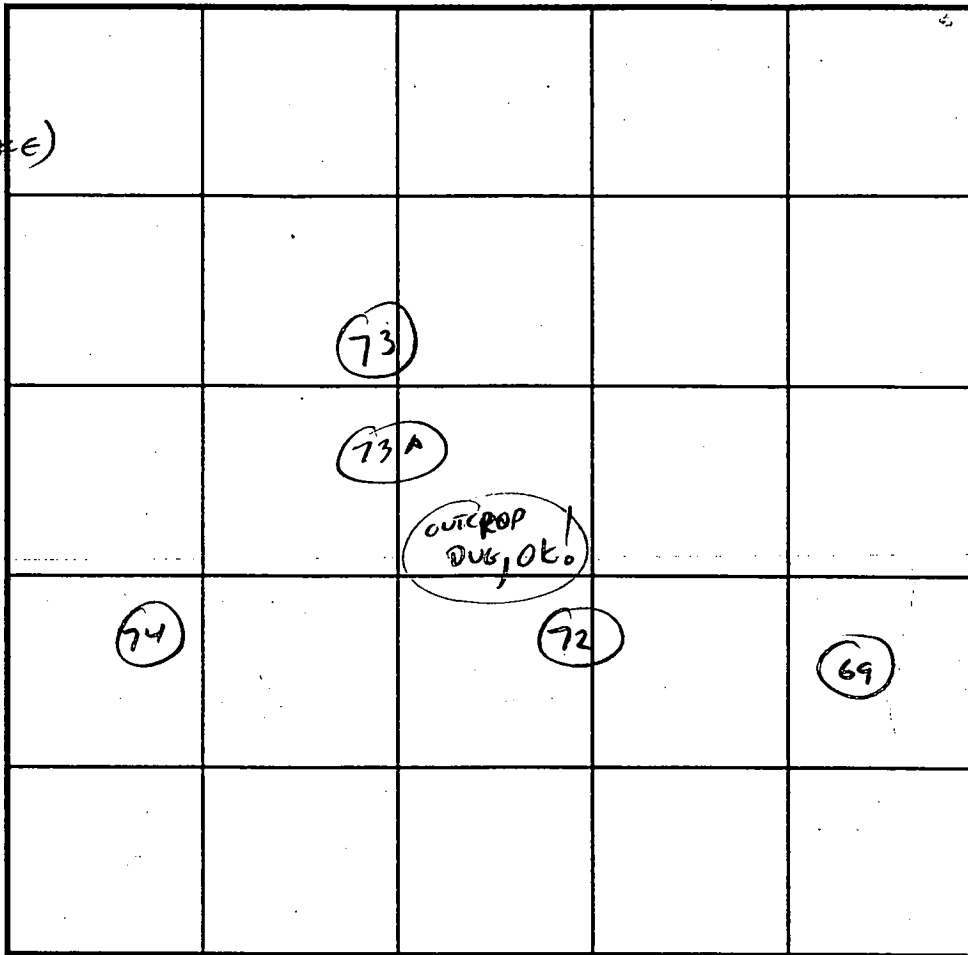
KNAPP SUBD.

SOIL PROFILE  
73 A

0'  
(30' FROM 73 STAKE)  
CLAY w/ Boulders  
4'  
SAND LOAN  
NO ROCK  
11'

SOIL PROFILE  
69

CLAY  
4 1/2'  
70% ROCK  
REFUSAL 9'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

72

4'  
CLAY  
PINK PURPLE  
SANDY LOAN  
11'

74

2 1/2'  
CLAY  
MICA SILT LOAN  
12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/21/48	73	REF. SECONDS - ABANDONED BY CONTRACTOR - ROCK					X
	73 A	3 1/2	4:35	SLOW	<sup>DUT</sup> VIS OK	(9) 4 1/2	OK
	*	ROCK OUTCROP 30' ABOVE			73 A,	EXCAVATED	
		↳ WAS ALL SAND LOAN			AFTER	UPPER 3'	
	<del>72</del>	VIS OK	4-11'				OK
	74	3	4:27	4:28	4:28	4:30	2 MIN
	(69)	ABANDONED - ROCK	4 1/2 - 9'				X

REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY C. Wilton ALSO PRESENT SPERRY  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

## PERCOLATION TESTING

A 59915

P \_\_\_\_\_

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

56 LOTS EXISTING HOUSE(S) - W6225-5607/CS  
TO BE RECONSTRUCTED  
4 DAYS FOR PERMITS  
WET SEASON TESTING  
4 DAY FOR FOLLOW-UP TESTING  
WILL PROMPTLY SUBMIT FEES & IMPROVED PLAN/ APPLICATION (CW)  
DATE 4/3/98

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

4/21 - 4/24  
5/19 - 5/22

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICIELLO AVE / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 3480 Ballman Not. PIKE PHONE 410-465-4244

### PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION M

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_ (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] SECURITY DIV.  
(SIGNATURE OF APPLICANT)  
STEVE SHIPLE - TSA

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

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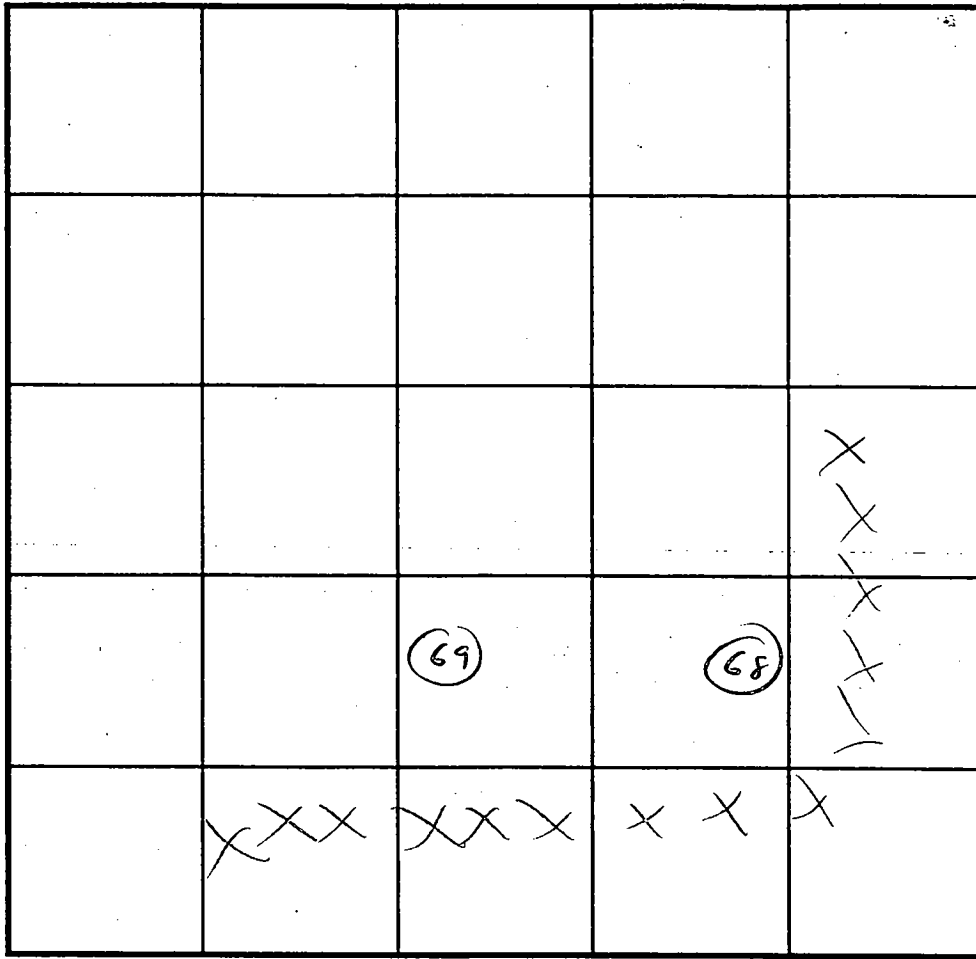
KNAPP SUBD.

SOIL PROFILE

0' 68  
CLAY  
3' BROWN CLAY LOAM  
5' SILT LOAM  
11' 38% ROCK

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/21/98	69	FAILS	ROCK	SEE OTHER PAGE			X
	68	3 1/2'	4:28	4:40	4:40	5:00	20 MIN*
			ext ←	5 MIN PER (a)	4 1/2'		

REMARKS \_\_\_\_\_  
 TYPE OF SOIL C  
 TESTED BY CWillho ALSO PRESENT SPERRY  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

## PERCOLATION TESTING

A 59914

P \_\_\_\_\_

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

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

DATE 4/3/98

DISTRICT \_\_\_\_\_

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ALFRED KNAPP

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ADDRESS 8480 Ballman Not. PIKE PHONE 410-465-4244

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SUBDIVISION Knapp Prop. LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION M

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APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
*(Signature)* SECURITY DIV.  
STEWART SHIPLE - TSA

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

4/21/98 - 4/28  
5/19/98 - 5/22

56 LOTS  
EXISTING HOUSE(S) - WELLS - 56071 LOTS  
TO BE RECONSTRUCTED  
4 DAYS FOR PERMITS  
WET SEASON TESTING  
4 DAY FOR FOLLOW-UP TESTING  
will probably submit fees & improve plan/application (CW)

4/21 - 4/24  
&  
5/19 - 5/22

COUNTY #

SOIL PROFILE

312

0' or/red  
Clay  
loam

3.0 pink  
red  
mica  
silty  
clay  
loam  
(powdery)

313

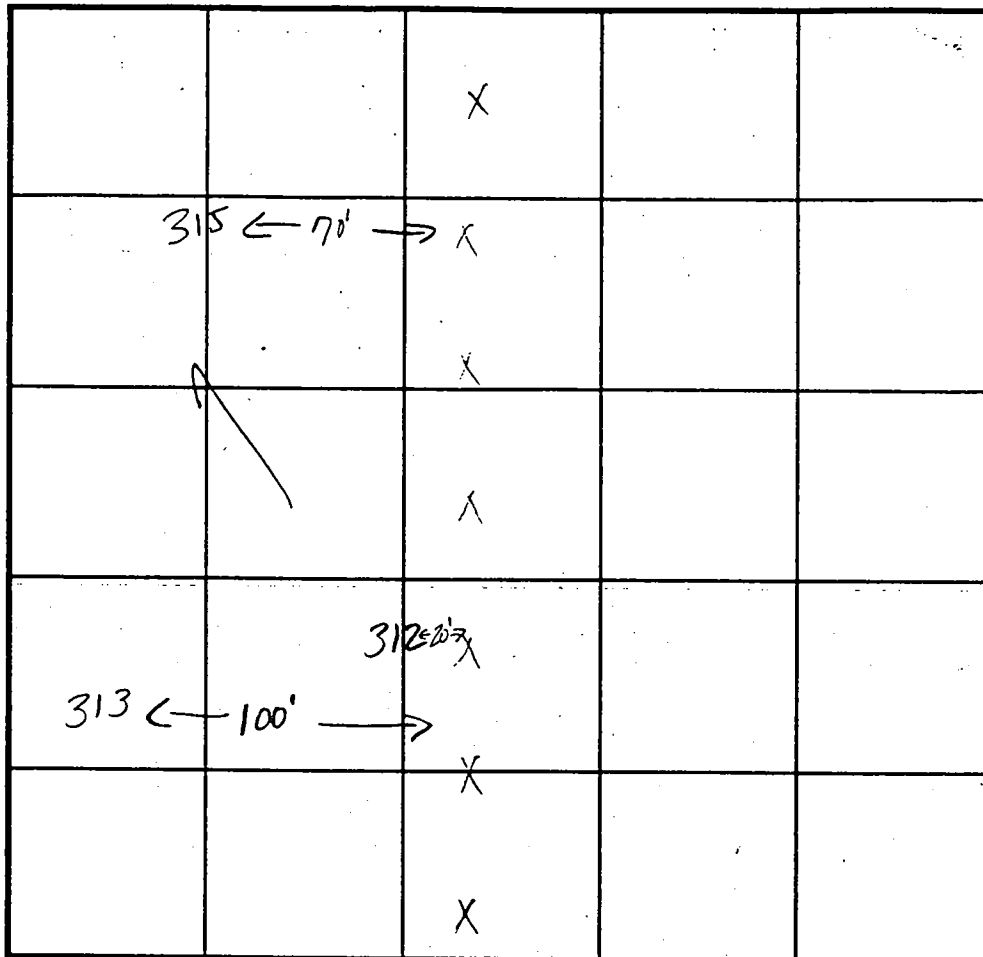
Same  
as  
hole  
#  
312

315

1.0 or/br  
clay  
loam

2.5 pink  
tan  
powdery  
mica  
silt/clm

11.0 10%  
rock  
frags



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Monticello

SOIL PROFILE

319

0' or/red  
Clay  
loam

2.0 pink  
brown  
mica  
sandy  
clay  
loam

9.0 20%  
shale

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	312	12.0' D	visual	only - ok	see	profile	
	313	11.0' D	visual	only - ok	see	profile	
	315	3.5' S	2:12:20	2:13:20	2:13:20	2:15	140
		11.0' D	visual	ok - see	profile		
	319	9.0' D	visual	ok - see	profile		
		(near old, existing barn)					

REMARKS test holes staked

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

TESTED BY Kim Miste ALSO PRESENT Clark Sperry

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

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

4/21/98 - 4/28  
5/19/98 - 5/22

# APPLICATION

## PERCOLATION TESTING

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

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 ALFRED KNAPP

ADDRESS MONTICELLO AVE / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 8480 Bellemore Not. PIKE PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION M

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(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.

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
*Security Dev.*  
(SIGNATURE OF APPLICANT)

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 \_\_\_\_\_

56 LOTS  
EXISTING HOUSE(S) - WELLS - 5607165  
TO BE ELIMINATED  
4 DAYS FOR PERMITS  
WET SEASON TESTING  
4 DAY FOR  
FOLLOW-UP TESTING  
will provide submit  
FEES &  
IMPROVED PLAN/  
APPLICATION (CW)  
DATE 4/3/98  
DISTRICT \_\_\_\_\_  
A 59914  
P \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

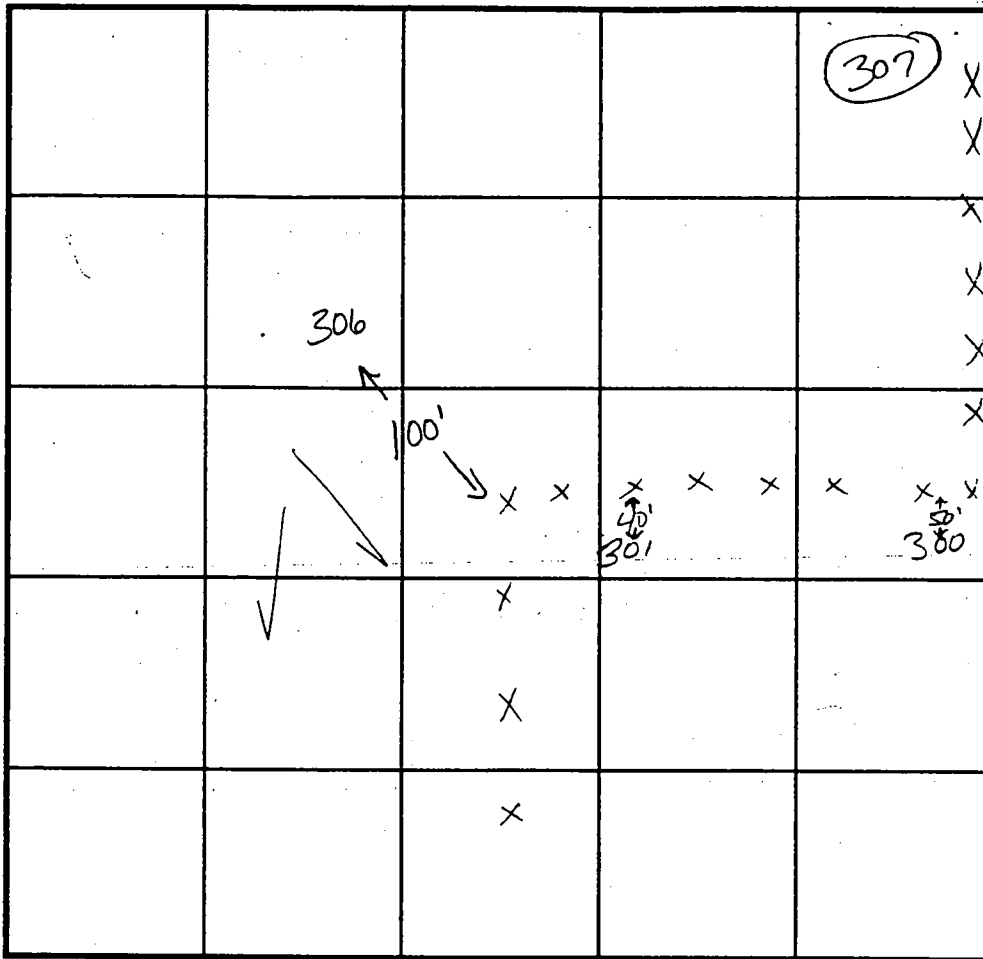
SOIL PROFILE

0'  
3.5'  
12.0'

301  
or/br  
cl lm  
tan  
scl lm  
5.0'  
greater  
than  
50%  
rock  
frags

300  
or/red  
cl lm  
tan  
orange  
micaceous  
scl lm  
10% shale  
frags

307  
or/brown  
clay  
loam  
tan, pink  
yellow  
scl lm  
mica  
10% shale  
frags



SOIL PROFILE

0'  
3.5'  
11.5'

317  
or/red  
clay  
loam  
orange  
tan  
sandy  
clay  
loam  
20%  
shale  
frags

316  
or/red  
cl lm  
red/br  
scl lm  
20%  
shale  
frags

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Monticello

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	301	12.0'D	visual	only	- see profile		F
	300	11.5'D	visual	ok	- see profile		
	307	3.5'S	11:05 <sub>45</sub>	11:07 <sub>10</sub>	11:07 <sub>10</sub>	11:09 <sub>10</sub>	2 min
		11.0'D	visual	ok	- see profile		
	317	11.5'D	visual	ok	- see profile		
	316	4.0'S	11:20 <sub>20</sub>	11:23	11:23	11:25 <sub>30</sub>	2:30
		11.0'D	visual	ok	- see profile		

REMARKS test holes staked

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

TESTED BY Kim Mauck ALSO PRESENT Clark Sperry

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

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

COUNTY #

SOIL PROFILE

324

0'  
 3.0'  
 6.0'

or/red  
Clay  
loam

---

red  
orange  
sandy  
Clay lm  
15% mica  
shale  
frag.

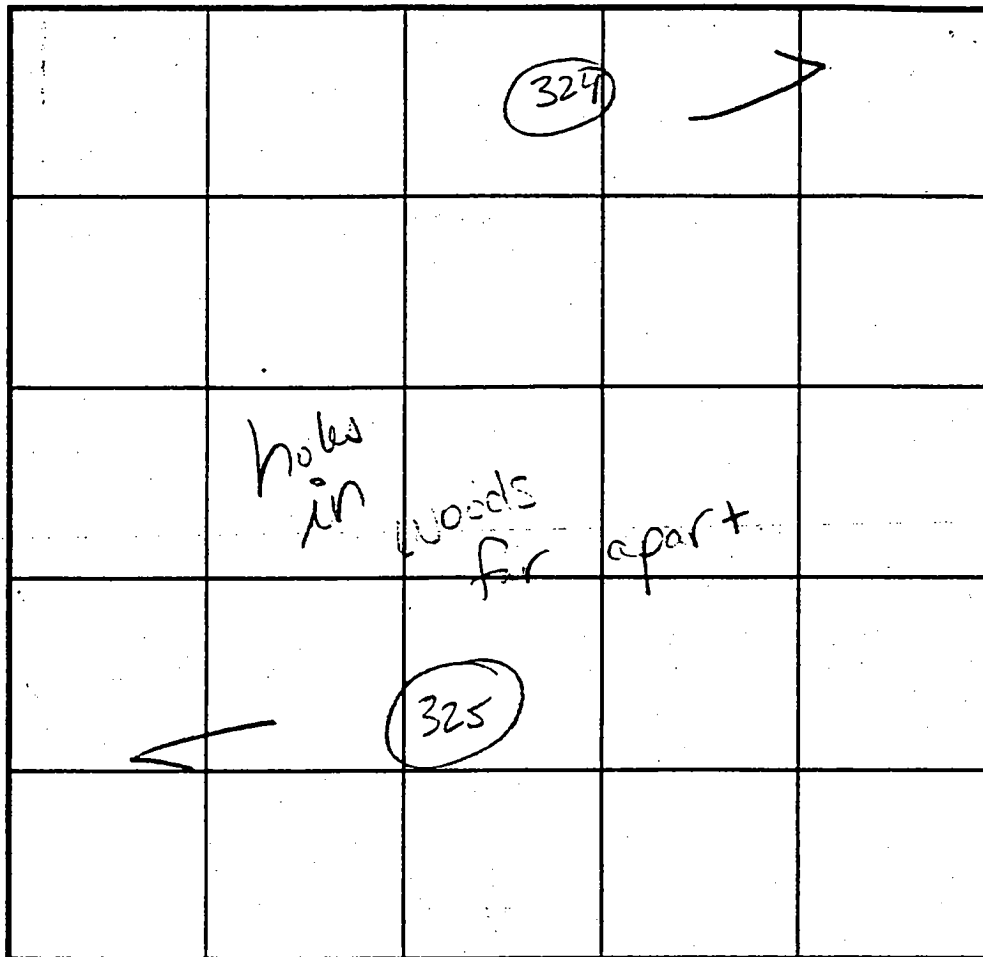
325

6.0'  
 9.0'

br/red  
Clay  
loam

---

orange  
red  
sandy  
Clay  
loam  
15%  
rock  
frag.



SOIL PROFILE

315A

0'  
 4.0'  
 10.0'  
 13.0'

or/br  
Clay  
loam

---

tan  
orange  
sandy  
Clay  
loam

↓

78-A

---

orange  
cl lm

---

pink/or/tan  
silm  
10%  
shalefrag.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Monticello

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
	324	10.0'D	visual ok	- see profile			
	325	12.5'D	visual ok	- see profile			
	315A	10.0'D	visual ok	- see profile			
		(possibly old hole 71'?)					
7.21.98	78-A	4.5'S	1:34 <sub>10</sub>	1:35 <sub>50</sub>	1:35 <sub>50</sub>	1:37 <sub>50</sub>	2min
		12.0'D	visual ok	- see profile			

REMARKS test holes staked

TYPE OF SOIL

TESTED BY Kim Maize ALSO PRESENT Clark Sperry

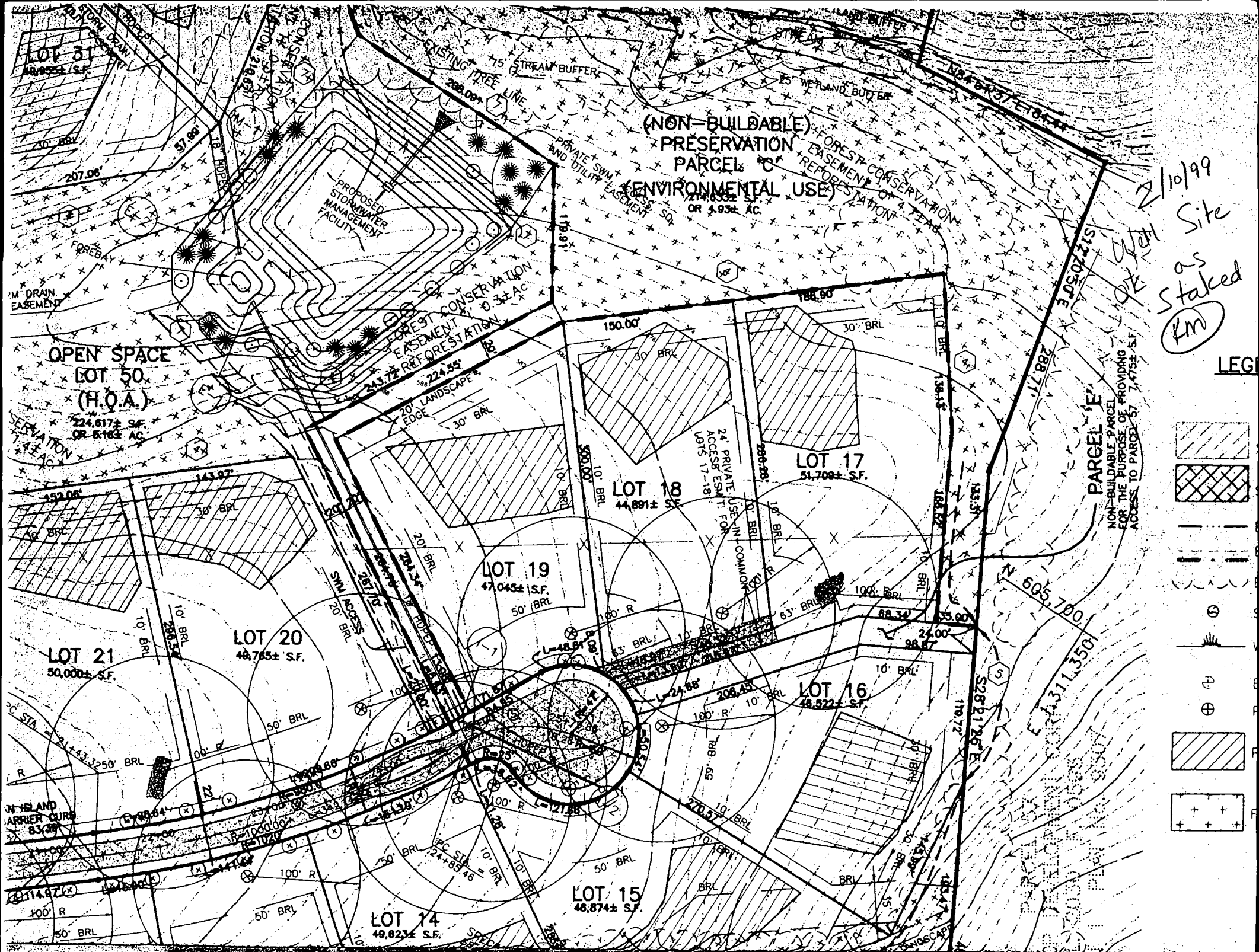
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM



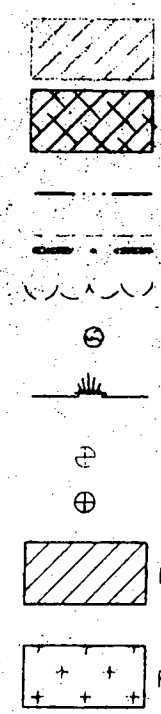






7/10/99  
Site  
as  
Staked  
Km

LEG



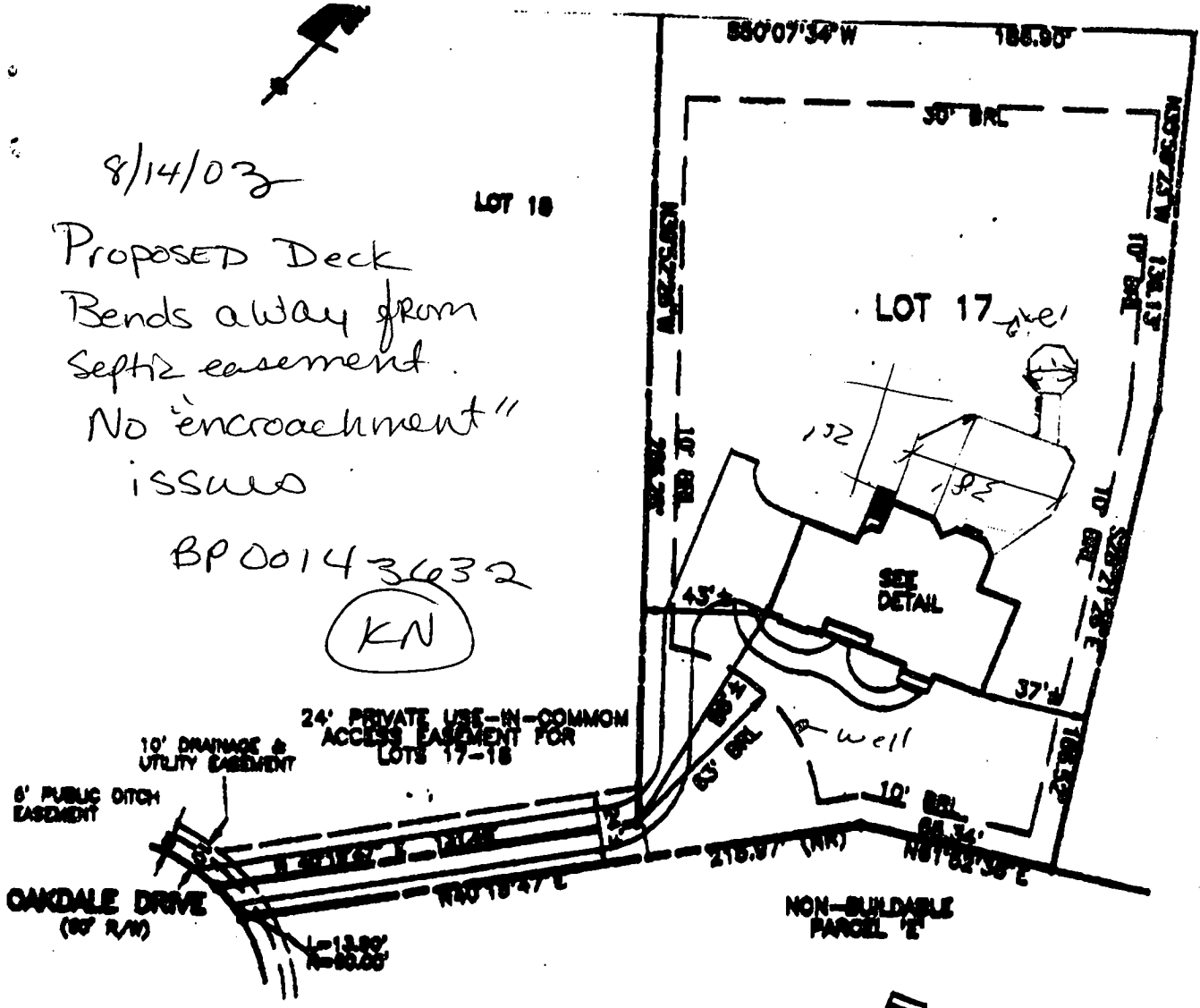
8/14/03

LOT 18

Proposed Deck  
Bends away from  
Septic easement.  
No "encroachment"  
issues

BP 00143632

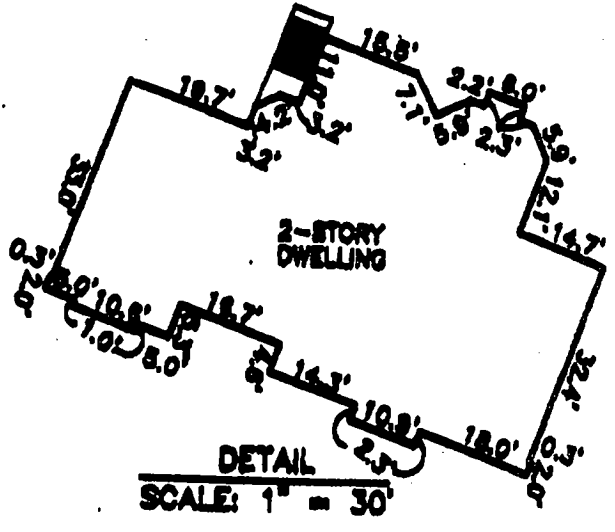
KN



**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DWELLING SHOWN ON THIS DRAWING LIES WITHIN THE LOT LINES SHOWN AS COMPILED FROM TITLE OR OTHER SOURCES. OTHER IMPROVEMENTS ARE FOR PICTORIAL PURPOSES ONLY. THIS DRAWING IS NOT A BOUNDARY SURVEY AND HAS BEEN PREPARED EXCLUSIVELY FOR TITLE PURPOSES ONLY. PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

*Donald D. Harris*  
REG. NO. 10878



RECORD PLAT No. 14088  
FEMA FIRM No. 240044 0008 B  
ZONE: C  
DATED: 12/4/88

**BENCHMARK**  
**ENGINEERING, INC.**



**LOCATION DRAWING**  
**MONTICELLO**  
**LOTS 1 THRU 50**  
**LOT No. 17**

1787 OAKDALE DRIVE  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 80' DATE: 09/12/02

SEE SURVEYOR'S MANUAL FOR A LIST OF  
CARRY OVER, USABLE CODES  
FROM 410-420-2000 & 410-420-2000  
410-420-2000