

PERMIT

SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

P 514603

A 57679-C

ISSUE DATE 10/20/2000

APPROVAL DATE 12/4/00

11/16/00
2:00 layout
11/18/00
all day
11/9/00
C.P. (in progress)
all day
12/6/00
1:00-1:30
pump test

INDEXED
410-313-2640
04-36463

J. A. Smith

IS PERMITTED TO INSTALL ALTER

ADDRESS 7080 Kit Kat Road Elkridge, MD 21075 PHONE (410) 796-7532

SUBDIVISION Rosebar Property LOT NUMBER 16²⁵ ADDRESS 3006³⁰⁰⁶ 3080 Hobbs Road

PROPERTY OWNER Village Builders LLC PROPERTY OWNER'S ADDRESS c/o Rock Realty Inc.
25 Main Street
Reisterstown, MD 21136

SEPTIC TANK CAPACITY 1250 GALLONS

PUMP CHAMBER CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

** TOP SEAMED SEPTIC TANK REQUIRED **

** TOP SEAMED PUMP CHAMBER REQUIRED **

SQUARE FEET PER BEDROOM 210

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES: Trenches to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Place distribution box in the high corner of the designated septic area, approximately 10 feet from the north (450') lot line and 30 feet from the east (105') lot line. Run trenches along contour within the designated septic area.

* Contractor to adjust planned septic tank location to minimize the amount of cover over the tank. 10/3/00 OK BR

PLANS APPROVED Craig Williams DATE 6/12/2000

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

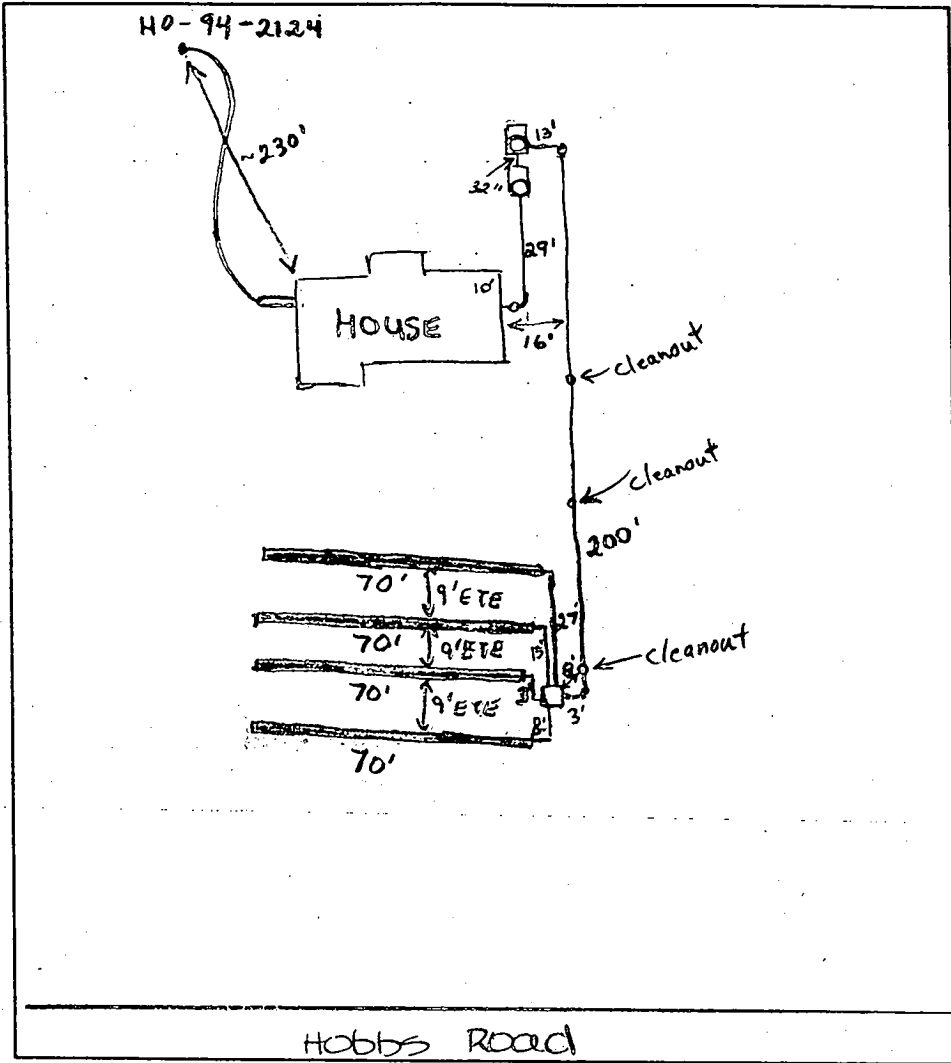
NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

ALLIG. PERMIT SIGNED
AND RETURNED 2-20-02
800134455
DECK 16423

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

A57679-C

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3.0'

TRENCH INLET DEPTH 2.5'

TRENCH BOTTOM DEPTH 4.5'

DEPTH OF STONE 2.0'

NUMBER OF TRENCHES 4

TOTAL TRENCH LENGTH 280'

ABSORBENT AREA 840 sq. ft.

DISTRIBUTION BOX LEVEL OK

BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

SEPTIC TANK 1250 TS GALLONS

MANHOLE RISER

6 INCH INSPECTION PORT No

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS 1250 TS

MANHOLE RISER

ALARM _____

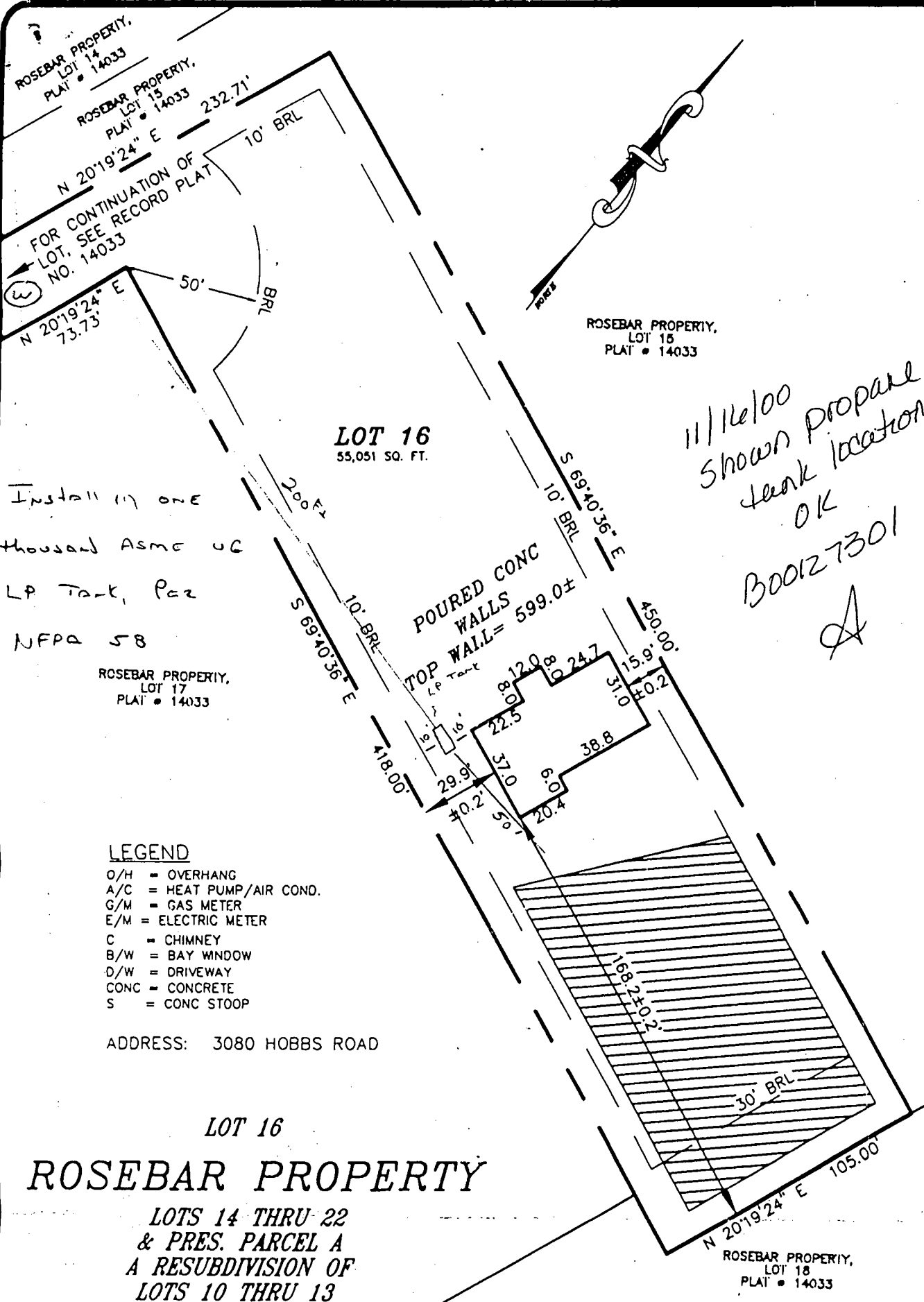
PUMP PERFORMANCE TEST _____

PRE-CONSTRUCTION INSPECTION: 11/3/00 layout confirmed - tanks set, FGA staked. OLC

INSPECTION COMMENTS: 11/8/00 WPI OK. Tank needs outlet baffle. Need manhole covers. Trenches O.K. (BB) 11/9/00 - SYSTEM COMPLETE PENDING PUMP & ALARM TEST (SR)

12/4/00. PUMP & ALARM OK (MP)

INSPECTOR M. Ripkin DATE SYSTEM APPROVED 12/4/00



11/16/00
 Showed propane
 tank location
 OK
 B00127301
 A

Install one
 thousand ASME UC
 LP Tank, per
 NFPA 58

ROSEBAR PROPERTY,
 LOT 17
 PLAT # 14033

LEGEND

- O/H = OVERHANG
- A/C = HEAT PUMP/AIR COND.
- G/M = GAS METER
- E/M = ELECTRIC METER
- C = CHIMNEY
- B/W = BAY WINDOW
- D/W = DRIVEWAY
- CONC = CONCRETE
- S = CONC STOOP

ADDRESS: 3080 HOBBS ROAD

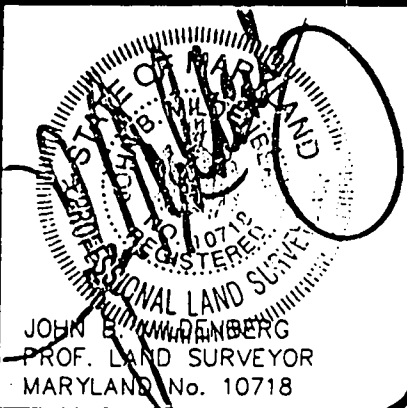
LOT 16
ROSEBAR PROPERTY
 LOTS 14 THRU 22
 & PRES. PARCEL A
 A RESUBDIVISION OF
 LOTS 10 THRU 13

PLAT NO. 14032
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

**MILDENBERG
 BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-5621 Wash. (410) 997-0298 Fax.



FOUNDATION	DATE: 09/25/00	FINAL	DATE:
DRAWN BY: M.E.S.		SCALE: 1" = 50'	
PROJECT NO.: 2000-024		LOCATION DRAWING	

ROSEBAR PROPERTY,
PRESERVATION PARCEL A
PLAT # 14033

ROSEBAR PROPERTY,
LOT 19
PLAT # 14033

ROSEBAR PROPERTY,
LOT 14
PLAT # 14033

Approved Septic System Plan
Howard County Health Department
Boo124455 - 4 BR
(PUMPED 54564)
C. Will
Date 6/10/00

NOTE: NO HOUSE INVERT
OR SEPTIC TANK ELEVATIONS
PROVIDED. (WALK-OUT BASEMENT)
SEE PERMIT SPECIFICATION
DIRECTING INSTALLER TO PLACE TANK
WHERE IT WILL HAVE ONLY
MINIMUM AMOUNT OF
COVER. (CW)

Total linear feet of trench
required **280 feet**
Width of trench(es) **3 feet**
Depth of trench(es) **3 feet**
Depth of stone required below
distribution pipe **4 1/2 feet**
Depth of stone required below
distribution pipe **2 feet**

LOT 16
55,051 SQ. FT.

THOMAS A. &
KAREN M. KELLER
2188/651
ELLERSLIE ESTATES, LOT 2

BRADLEY K. & SUSAN H. ANDREWS
3335/621
ELLERSLIE ESTATES, LOT 1

DOUGLAS P. &
EVELYN J. CONNELL
1619/629
WINDSOR FARM ESTATES,
LOT 5

SEPTIC SYSTEM DATA

FIRST FLOOR EL.	598.29
BASEMENT EL.	589.50
INV. OUT OF HOUSE	586.22
INV. IN SEPTIC TANK	585.64
INV. OUT SEPTIC TANK	585.39
INV. IN PUMP PIT	585.21
EXIST EL. @ SEPTIC TANK	590.5
PROP EL. @ SEPTIC TANK	589.0
EXIST EL. @ PUMP PIT	590.5
PROP EL. @ PUMP PIT	590.3
EXIST EL. @ DIST. BOX	603.5
INV. IN DIST. BOX	601.5

* FIRST FLOOR AND BASEMENT
SEWERAGE TO BE PUMPED.

OWNER
ROSEBAR LIMITED PARTNERSHIP, LL
ROBERT WAYNE NEWSOME AND ME
P.O. BOX
COLUMBIA, MARYL.
(410) 792-2

F-00-167
Revised

Approved
11-8-00

ROSEBAR PROPERTY, LOT 21
PLAT # 14033

ROSEBAR PROPERTY, LOT 20
PLAT # 14033

ROSEBAR PROPERTY, LOT 19
PLAT # 14033

FRANCIS & PHYLLIS J. DONO
1356/555
WINDSOR FARM ESTATES, L
PLAT # 6252

IP FOUND & HELD

ROSEBAR PROPERTY
RESERVATION PARCEL A
PLAT # 14033

USE-IN-COMMON
DRIVEWAY EASEMENT FOR
LOTS 14 THRU 17 TO BE
ABANDONED BY THIS PLAT

N 20'19'24" E 299.73'

N20'19'24"E 244.71'

S69'40'36"E 8.00'

S69'40'36"E 8.00'

N20'19'24"E 69.99'

N20'19'24"E 50.00'

N89'39'07"W

N 69'40'36" W 239.00'

S69'40'36"E 619.00'

S69'40'36"E 418.00'

S69'39'07"E 24.00'

N20'19'24"E 48.00'

N20'19'24"E 50.00'

16

11

12

13

14

15

17

S69'40'36"E 400.00'

N20'19'24"E 24.00'

LOT 23
47,155 SQ. FT.

S69'40'36"E 619.00'

S69'40'36"E 110.05'

10' BRL

285.83'

5.00'

19.00'

S69'40'36"E 619.00'

10' BRL

S69'40'36"E 450.00'

10' BRL

10' BRL

10' BRL

10' BRL

N20'20'53"E 50.82'

20.00'

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

S57'28'49"E 18.93'

22.84' 85.00'

S69'40'36"E 157.27'

137.00'

18.93'

N57'28'49"W 18.93'

96.04'

N69'40'36"W 107.49'

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

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10' BRL

10' BRL

10' BRL

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400.00'

S57'28'49"E 18.93'

22.84' 85.00'

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10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

10' BRL

450.00'

N20'19'24"E 201.04'

9.00'

15.00'

N20'19'24"E 201.04'

9.00'

15.00'

N20'19'24"E 201.04'

9.00'

15.00'

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9.00'

15.00'

N20'19'24"E 201.04'

9.00'

15.00'

N20'19'24"E 201.04'

9.00'

15.00'

N20'19'24"E 201.04'

E 795.150

N 529.500

N20'19'24"E 201.04'

N20'19'24"E 201.04'

N20'19'24"E 201.04'

N20'19'24"E 201.04'

N20'19'24"E 201.04'

N20'19'24"E 201.04'

24' PRIVATE USE-IN-COMMON
DRIVEWAY EASEMENT
FOR LOTS 23 & 24

KCI REBAR & CAP HEL

24' PRIVATE USE-IN-COMMON
DRIVEWAY EASEMENT FOR

KCI REBAR & CAP HEL

HOBBS ROAD

LOCAL ROAD -- 50' PUBLIC ROW

24' PRIVATE USE-IN-COMMON
DRIVEWAY EASEMENT FOR

KCI REBAR & CAP HEL

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: J. A. Smith & Co. Inc. Telephone #: 410.796.7532
Address: 7080 Kit Kat Road
Elkridge MD 21075

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): J. Allen Smith Jr. License# 5581

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Village Blows Telephone #: 410.526.4030
Subdivision: Rose Bar Projects Lot #: 16 Well Tag #: HO-94-2124
Site Address: 3080 Hobbs Rd. Depth: 265'
Glenwood, MD 21738 Static water level - 23'

Submersible Pump Data

Make: Goulds
Model #: 5G507412
Pump Capacity: 5 GPM
Well Yield: 4 GPM

Pitless Adapter

Make: Marcison
Model#: B10X
Depth: 40" (36" min)
NSF approved: ✓

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 265' (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Forque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt ✓

Piping to house

Type: Black Polyethylene
PSI: 160 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 5'
Sleeve caulked and sealed properly: ✓

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.

J. A. Smith Jr.
Signature of company representative responsible for installation

12/5/00
date

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

Date Insp. Requested: 11/8/00 Date Insp. Approved: 11/8/00
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope installed inside of well 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 ✓

BB

APPLICATION

PERCOLATION TESTING

A 57679

P _____

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

DISTRICT _____

DATE 2/11/97

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 RODGER & ROSE MARIE BARGER

ADDRESS 2996 HOBBS ROAD
GLENWOOD, MD 21738 PHONE (410) 489-4368

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOCIATES, INC.

ADDRESS 15072 DORSEY HALL DRIVE, SUITE 202
ELLICOTT CITY, MD 21092 PHONE (410) 997-0296

PROPERTY LOCATION:

SUBDIVISION ROSEBAR PROPERTY LOT NO. 14

ROAD AND DESCRIPTION WEST SIDE OF HOBBS ROAD - APPROXIMATELY

1000 FEET NORTHEAST OF THE INTERSECTION OF

TAX MAP 14 PARCEL # 221 HOBBS ROAD & BURNTWOODS ROAD

SIZE OF LOT 242,000 SQ FT TYPE BLDG. SFD
(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. Stephanie Demchut
(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'

dark red clay

6.0'

water

12

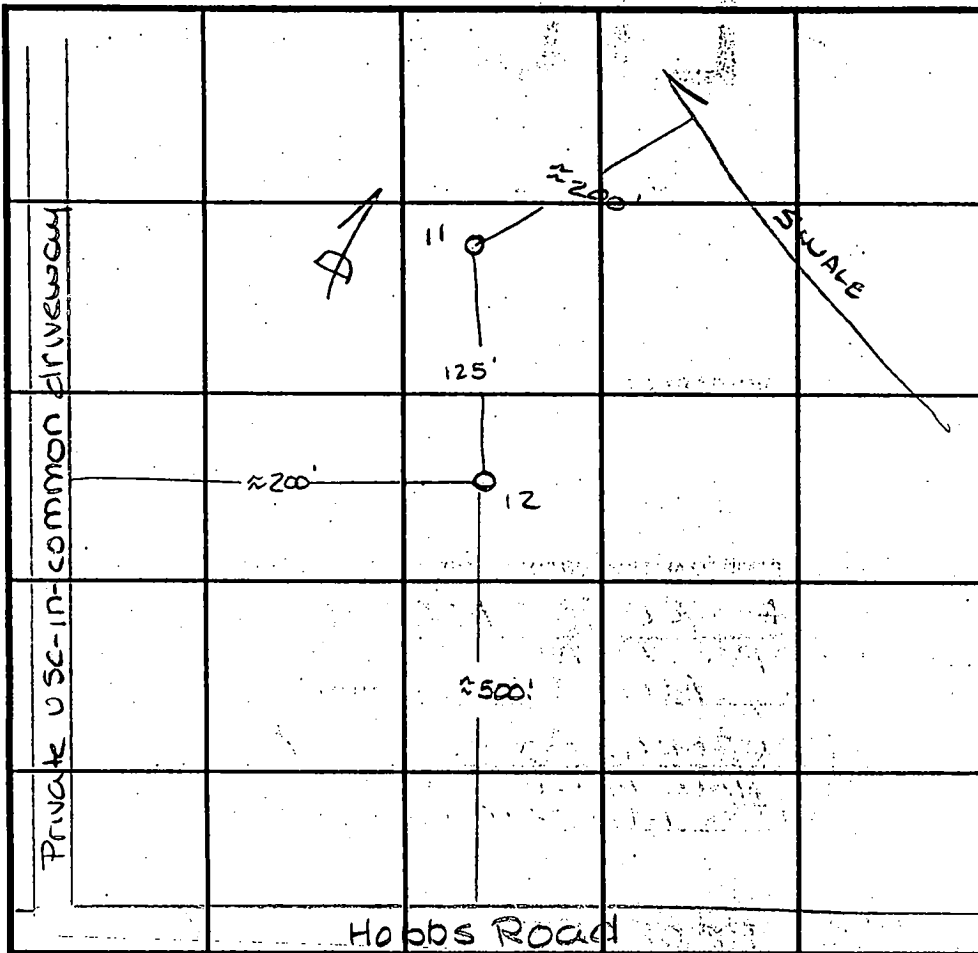
bright red Siltm

5.0'

water coming in at 5.0'

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	
3-25-97	11	Insufficient depth to H ₂ O table -					
				see profile			F
	12	Insufficient depth to H ₂ O table					
				see profile			F

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Will Hopkins

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPLICATION

PERCOLATION TESTING

A 57679

P _____

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

DISTRICT _____

DATE 2/11/97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER RODGER & ROSE MARIE BARGER

ADDRESS 2996 HOBBS ROAD
GLENWOOD, MD 21738 PHONE (410) 489-4368

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOCIATES, INC.

ADDRESS 5072 DORSEY HALL DRIVE, SUITE 202
ELLICOTT CITY, MD 21092 PHONE (410) 997-0296

PROPERTY LOCATION:

SUBDIVISION ROSEBAR PROPERTY LOT NO. 16

ROAD AND DESCRIPTION WEST SIDE OF HOBBS ROAD - APPROXIMATELY

1000 FEET NORTHEAST OF THE INTERSECTION OF

TAX MAP 14 PARCEL # 221 HOBBS ROAD & BURNTWOODS ROAD

SIZE OF LOT ~50,000 SQ FT TYPE BLDG. SFD
(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.

Stephanie Demicheli
(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 _____

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THIS IS NOT A PERMIT

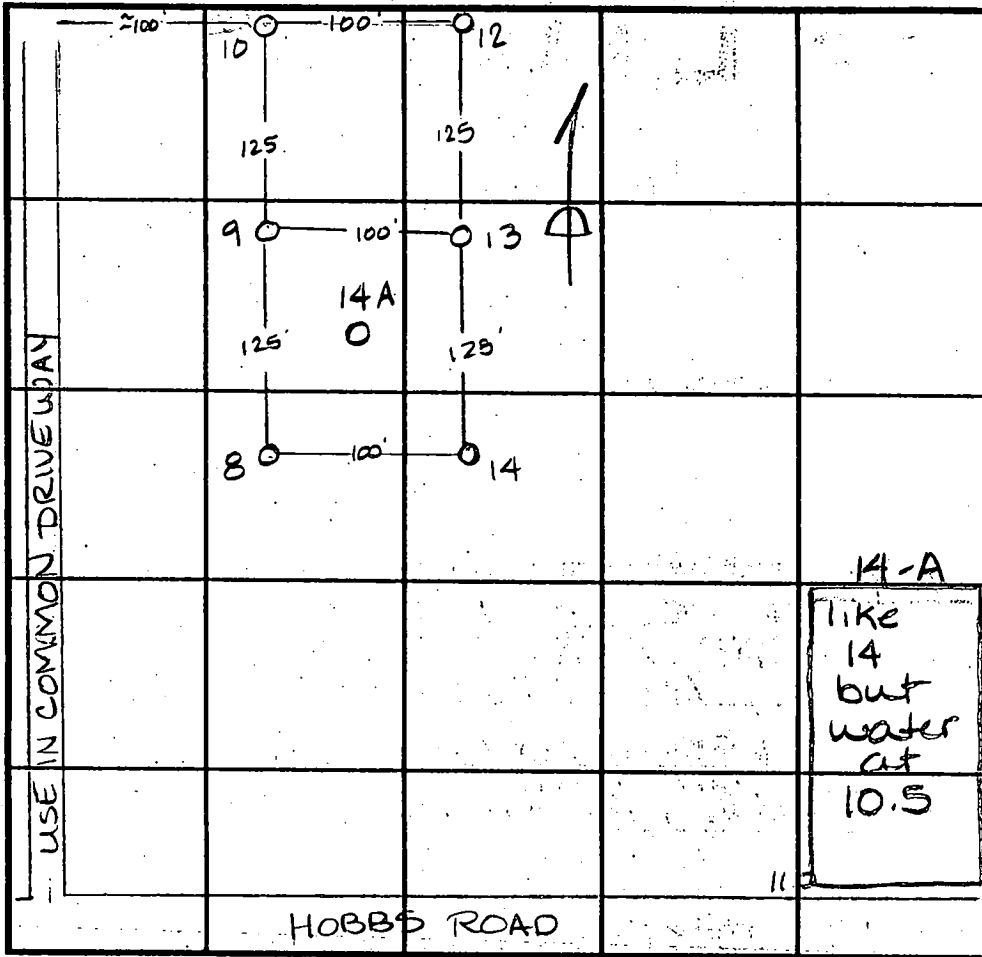
COUNTY #

SOIL PROFILE
12

0'
bright red clay
5.0'
water coming in at 5.0'

10
orange silty clay
5.0'
evidence of H₂O table at 7.0
9.0 water

8
bright red silty clay
3.0
bright orange brown silty clay
no rock
11.0



SOIL PROFILE
14

0'
orange red silty clay
4.0
light tan silty clay
no rock
12.0

13, 9
water coming in at 7.0
bright red silty clay at 5.0

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-25-97	12	Insufficient depth to H ₂ O	- see profile				F
	13	Insufficient depth to H ₂ O	- see profile				F
	10	5.0 / 19.0	10:35	10:30	min	—	slow
		8.0 / 19.0	10:32 ³⁰	>30	min	—	slow
		Because no perc at any depth -					F
	9	Insufficient depth to H ₂ O	- see profile -				F
	8	4.0 / 11.0	10:48	10:50 ³⁰	10:50 ³⁰	10:55	4 1/2 min
		7.5 / 11.0	10:47	10:52	10:52	11:15	23 min
	14	4.5 / 12.0	10:52 ³⁰	10:57	10:57	11:04	7 min
	14-A	4.0 / 11.0	11:59	2:02	2:02	2:10	8 min

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

APPLICATION

PERCOLATION TESTING

A 57679

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

DISTRICT _____

DATE 2/11/97

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER RODGER A ROSE MARIE BARGER

ADDRESS 2996 HOBBS ROAD
GLENWOOD, MD 21738 PHONE (410) 489-4368

AGENT OR PROSPECTIVE BUYER MILDENBERG, BOENDER & ASSOCIATES, INC.

ADDRESS 5072 DORSEY HALL DRIVE, SUITE 202
ELLICOTT CITY, MD 21042 PHONE (410) 997-0296

PROPERTY LOCATION:

SUBDIVISION ROSEBAR PROPERTY LOT NO. 15

ROAD AND DESCRIPTION WEST SIDE OF HOBBS ROAD - APPROXIMATE
1000 FEET NORTHEAST OF THE INTERSECTION OF

TAX MAP 14 PARCEL # 221 HOBBS ROAD & BURNTWOODS RD.

SIZE OF LOT ~ 56,000 SQ FT TYPE BLDG. SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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Stephanie R. ...
(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

A 57679

COUNTY #

SOIL PROFILE

8

bright red
SiClm

3.0

bright orange
brown
SiLm
no rock

11.0

7-A

like
8
water
at
10.5

12.0

7

bright red
SiClm

lgt orange
brown
SiLm
no rock

		See attached for diagram		

SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

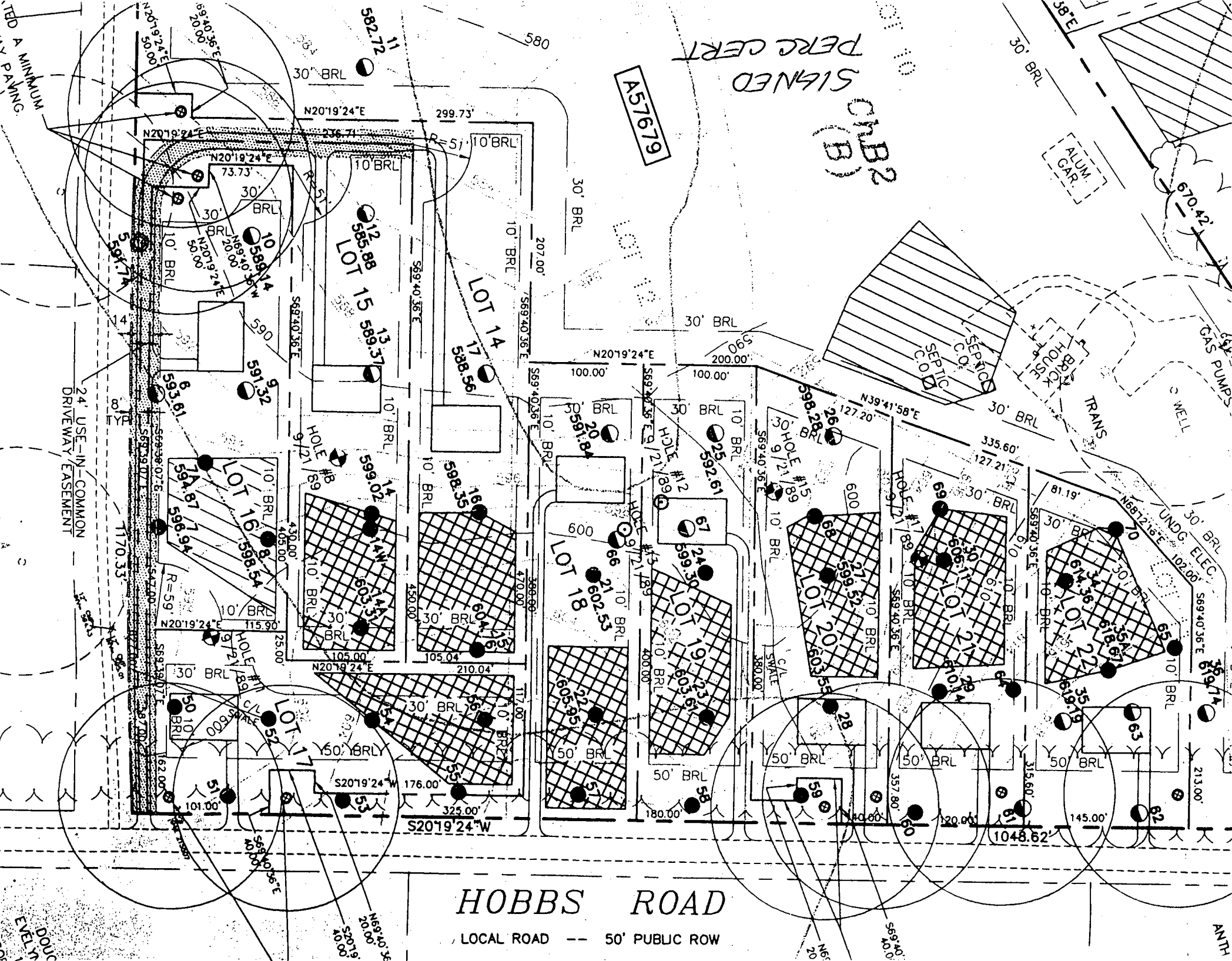
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3-25-97	8	4.0 vii.0	10:48	10:50 ³⁰	10:50 ³⁰	10:55	4 1/2 min
		7.5 vii.0	10:47	10:52	10:52	11:15	23 min
	7A	Visual	only - see profile - OK shallow				OK
	7	5.0 vii.0	10:40	10:41	10:41	10:43	2 min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillen ALSO PRESENT Will Hopkins

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

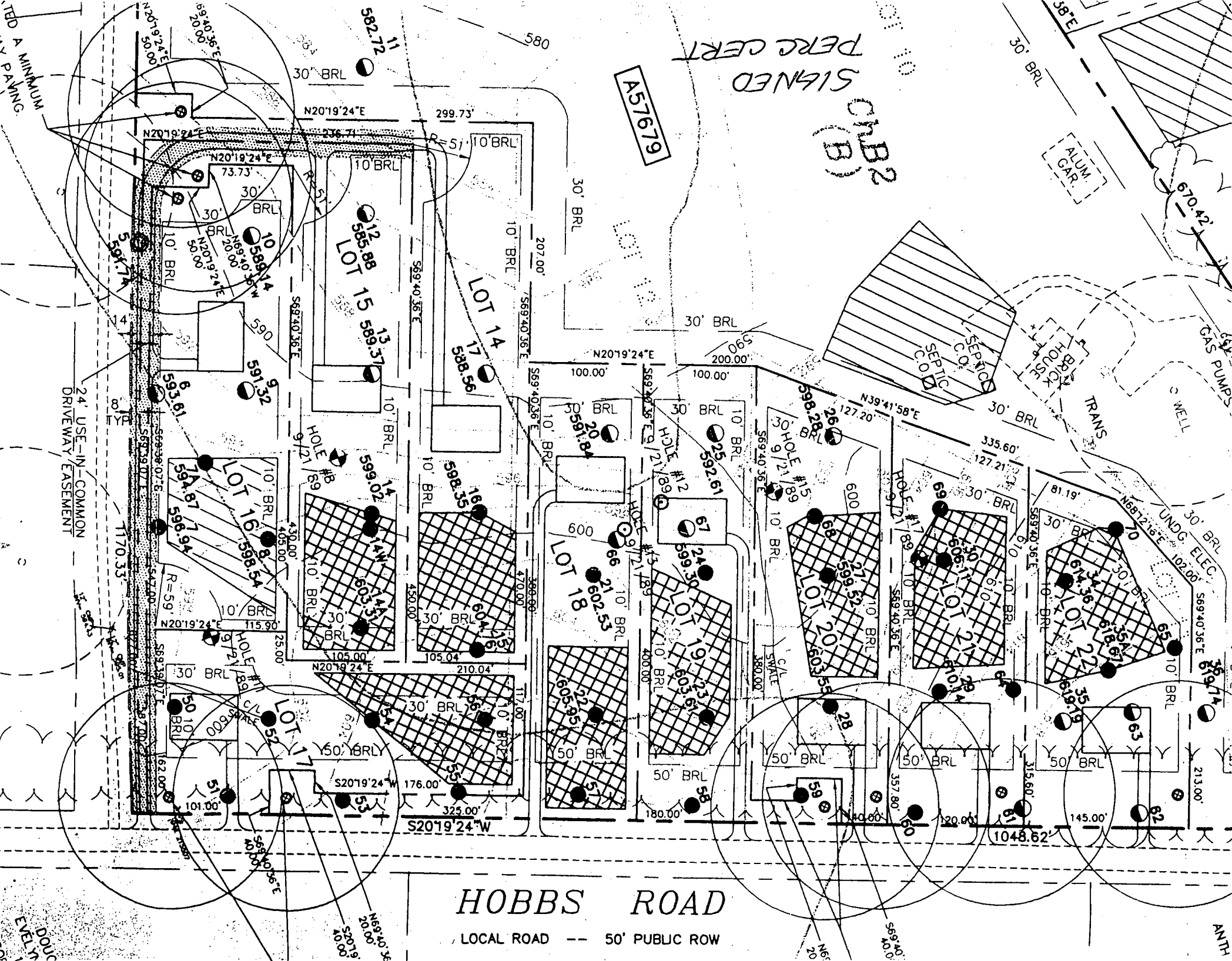


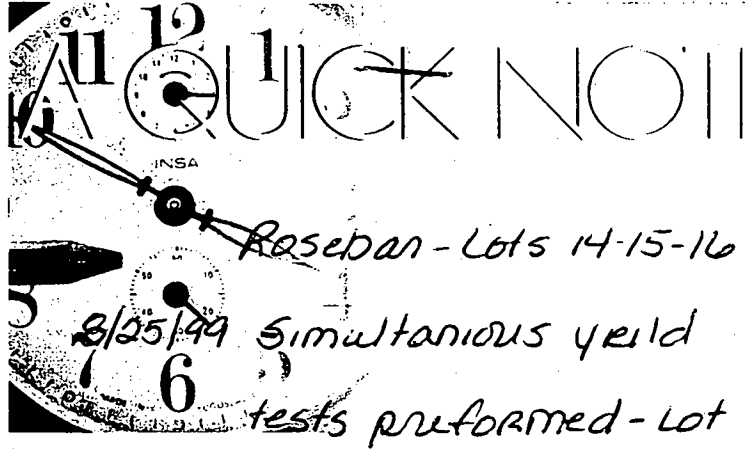
SIGNED
10/10/10
CHB2
PERC CERT

AS16719

HOBBBS ROAD

LOCAL ROAD -- 50' PUBLIC ROW





16 did not work, it
yielded .58 gpm.

9-15-99 Lot 16 well drilled
deeper - new simultaneous
yield test done
All wells held up
All

16



LINEMARK PRINTING INC

1220 Caraway Court, Suite 1040, Largo, MD 20774

C1 1646

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A 57679-C

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Patuxent Builders STREET OR RFD Harbor Rd. TOWN Glenwood SUBDIVISION Roseba SECTION LOT 16

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand (0-81), Gray Mica Rock (81-305), Revised well completion, Drilled deeper & new yield test.

GROUTING RECORD form with fields: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (28), NO. OF POUNDS (26.32), GALLONS OF WATER (168), DEPTH OF GROUT SEAL (0-27 ft).

CASING RECORD form with fields: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter top (main) casing (6), Total depth of main casing (85).

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD form with fields: screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.) (10, 83, 305).

PUMPING TEST form with fields: HOURS PUMPED (6), PUMPING RATE (2.6 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (distance from land surface) BEFORE PUMPING (2.2 ft), WHEN PUMPING (228 ft), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form with fields: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+ above, - below).

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P).

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. MSD024, DRILLERS SIGNATURE (Joseph P. Mayne), LIC. NO. D.

DEPTH (nearest ft.) table with columns: 1-11, 15-17, 21-23, 24-26, 30-32, 36-38, 39-41, 45-47, 51-53, 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) T (E.R.O.S.) W Q.

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). See well completion 3/23/99.

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

TELESCOPE CASING LOG INDICATOR OTHER DATA.

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2124
 Location of property (road) Halls Rd.
 Subdivision Roselba Lot 16 Block _____ Plat _____ Sec. _____
 Well Driller Joseph R. Maize Owner Patuxent Builders
 Depth of well 305'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 22'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 12 gpm
 Total time 45 min to reach pumping water level 222 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 <u>5'</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	106'	5 sec	N/A	12 gpm
8:00	173	5		12
8:15	222	6		10
8:30	228	15		4
8:45	227	22		2.6
9:00	226	22		2.6
9:15	226	22		2.6
9:30	226	22		2.6
9:45	226	22		2.6
10:00	226	22		2.6
10:15	225	22		2.6
10:30	225	22		2.6
10:45	225	22		2.6
11:00	224	22		2.6
11:15	224	22		2.6
11:30	224	22		2.6
11:45	223	22		2.6
12:00	222	22		2.6
12:15	222	22		2.6
12:30	222	22		2.6
12:45	222	22		2.6
1:00	222	22		2.6
1:15	222	22		2.6
1:30	222	22		2.6
HD-224: 45'	222	22		2.6
2:00	222	22		2.6

C1 1698

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 A 57679-C

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY 3 23 99

Depth of Well 22 265 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-2124

OWNER Patient Builders first name TOWN Glenwood STREET OR RFD Hobbs Rd. SUBDIVISION Rosebar SECTION LOT 16

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (C) BENTONITE CLAY (B) NO. OF BAGS 28 NO. OF POUNDS 2632 GALLONS OF WATER 168 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 27 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 85

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

SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO PL OT

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 23 ft. WHEN PUMPING 228 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES (C) 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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE 2 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED Y N

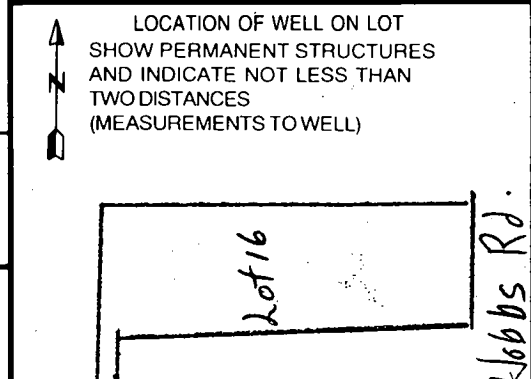
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

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 MS DO 24 DRILLERS SIGNATURE Joseph R. Meurre LIC. NO. 1 D

DEPTH (nearest ft.) HO 83 265 E A C H S C 3 P R E N SLOT 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



SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) TELESCOPE CASING LOG INDICATOR OTHER DATA

B 1 4040

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2124 fill in this form completely

Date Received (APA) 02 04 99

OWNER INFORMATION

Patuxent Builders Inc. P.O. Box 906 Savage Md. 20763

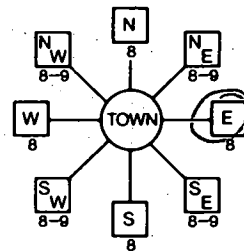
LOCATION OF WELL

Howard County Rosebar Subdivision Section 44 46 Lot 16 Glenwood Nearest Town 1 1/2 Miles from Town

DRILLER INFORMATION

Joseph L. Mayne M S D 024 Driller's Name License No. Joseph L. Mayne Well Drilling Firm Name 5512 Ridge Rd. Mt. Airy 21771 Address Joseph L. Mayne 2/9/99 Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Halls Rd. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 550 FT ENTER FT OR MI

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

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 Co A57679C COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 021799 AM Well 021700 CO SIGNATURE EXP. DATE NORTH GRID 520000 EAST GRID 790000

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

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 (circled) 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)

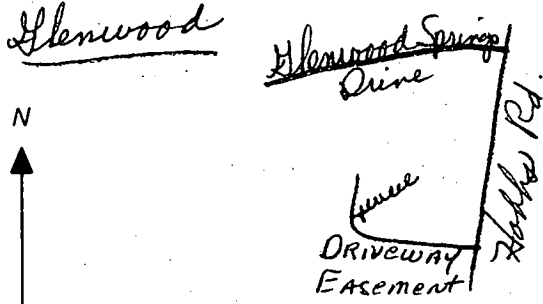
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. Well 2. 3.

3/23/99 water OK + closed 85' open 97' found gravel

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790 N 520

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)

APPROP. PERMIT NUMBER 54 GAP 63 PERMIT No. HO-94-2124

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

NOTE: WELL IS TO BE OF 15' FROM THE

FRANCIS & PHYLLIS J. WINDSOR FARM ESTATE 1356/555

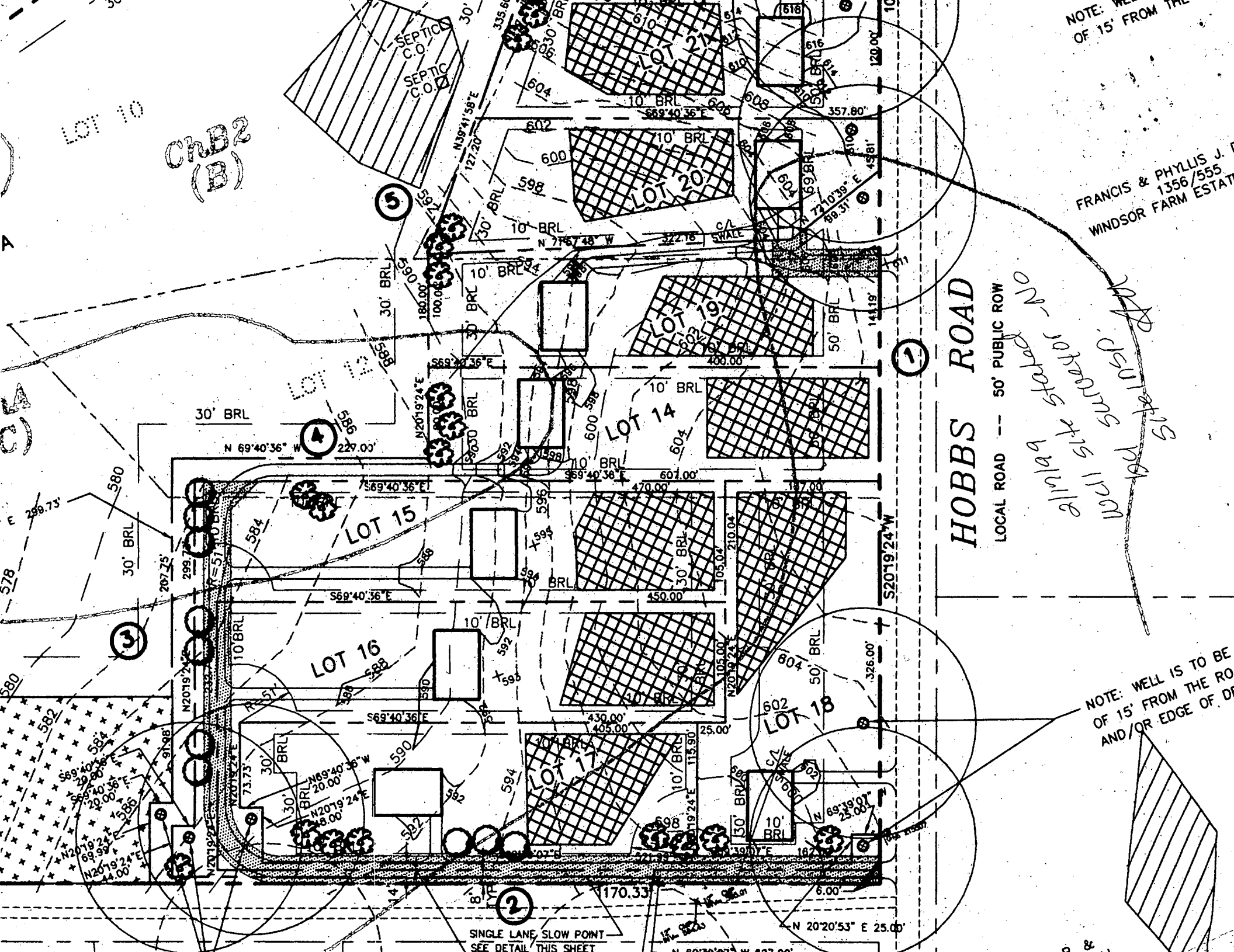
CHB2 (B)

HOBBS ROAD

LOCAL ROAD -- 50' PUBLIC ROW

Handwritten note: 10' strip on N side of road

NOTE: WELL IS TO BE OF 15' FROM THE ROAD AND/OR EDGE OF DRIVE



SINGLE LANE SLOW POINT - SEE DETAIL THIS SHEET

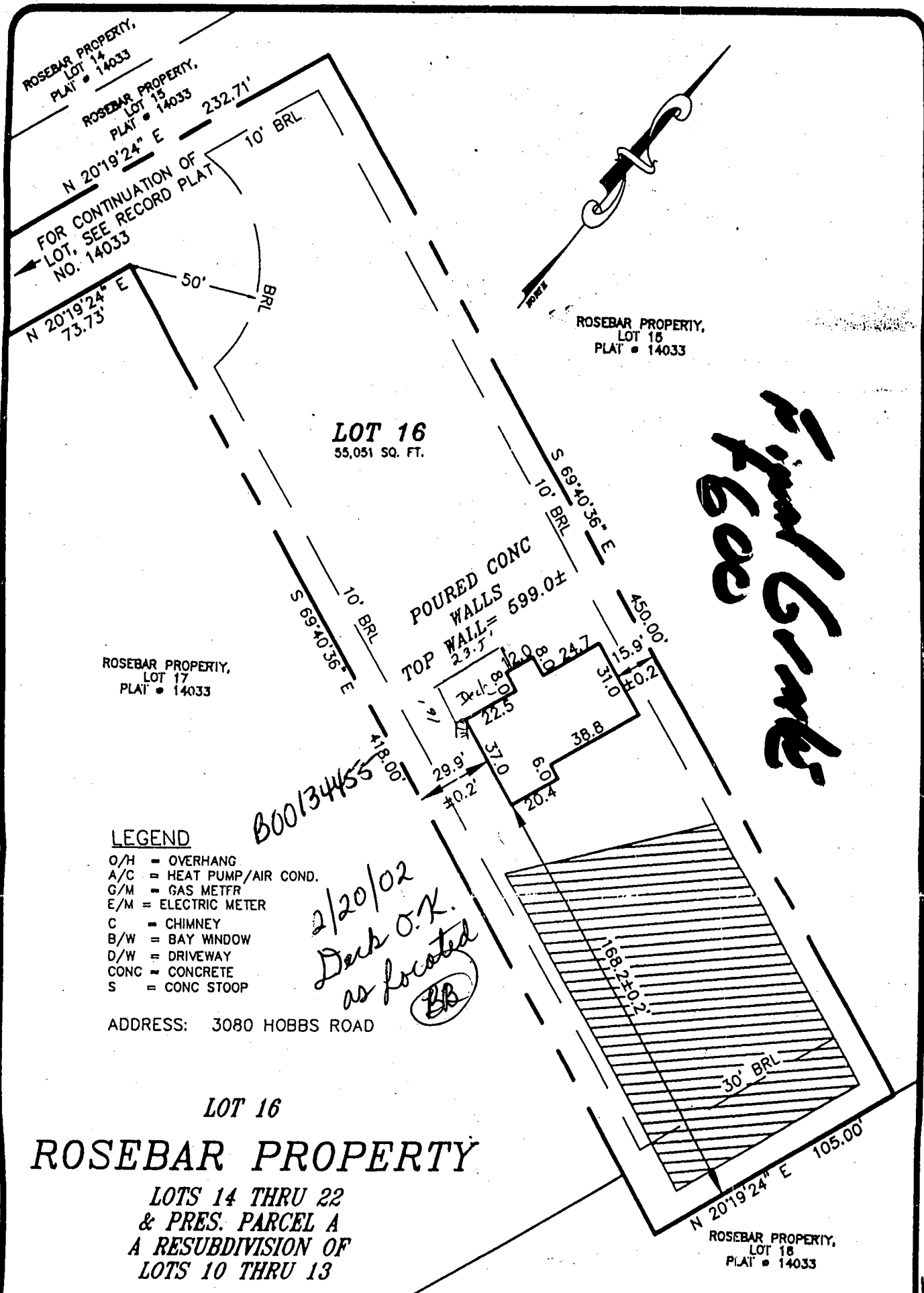
N 20°20'53" E 25.00'

8/26/99
Simultaneous yield
lots 14-16

lot 16	Σ	7.45	106.4	6.5	9.27
		12.45	221.3	103	.58

Driller may
Hydrofract

A



Final Grade

B00134455
2/20/02
Deck O.K.
as located
BB

- LEGEND**
- O/H = OVERHANG
 - A/C = HEAT PUMP/AIR COND.
 - G/M = GAS METER
 - E/M = ELECTRIC METER
 - C = CHIMNEY
 - B/W = BAY WINDOW
 - D/W = DRIVEWAY
 - CONC = CONCRETE
 - S = CONC STOOP

ADDRESS: 3080 HOBBS ROAD

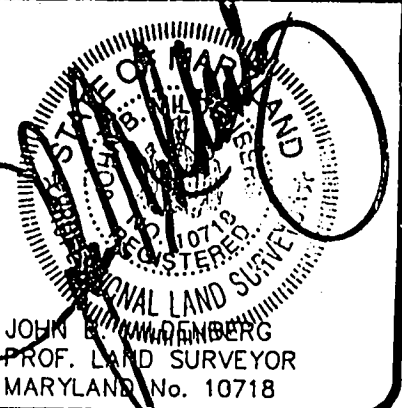
LOT 16
ROSEBAR PROPERTY
 LOTS 14 THRU 22
 & PRES. PARCEL A
 A RESUBDIVISION OF
 LOTS 10 THRU 13

PLAT NO. 14032
 ELECTION DISTRICT No. 4
 HOWARD COUNTY, MARYLAND

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

MILDENBERG BOENDER, & ASSOC., INC.

Engineers Planners Surveyors
 6072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-5621 Wash. (410) 997-0298 Fax.



FOUNDATION	DATE: 09/25/00	FINAL	DATE:
DRAWN BY: M.E.S.	SCALE: 1" = 50'		
PROJECT NO.: 2000-024	LOCATION DRAWING		

410 984 016
819 661