

LAYOUT 5/12/04 - 12 INSP 4 _____
 INSP 2 5/13/04 - PM INSP 5 _____
 INSP 3 6/25/04 - 2:30 INSP 6 _____

ISSUE DATE: 5/1/04
 APPROVAL DATE: 6/25/04

P 520351-A
 A 50411-AC

**PERMIT
INDEXED**

308274

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

Farm & Home Excavating, Inc _____ IS PERMITTED TO INSTALL ALTER
 ADDRESS: 901 Driver Road, Marriottsville PHONE NUMBER: 410-442-2139
 SUBDIVISION: Windsor Overlook LOT NUMBER: 1
 ADDRESS: 1787 Long Corner Road PROPERTY OWNER: Forty West Group, LLC
 SEPTIC TANK CAPACITY (GALLONS): 1500¹²⁵⁰ OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 2 revised 5/7/04 4 bedrooms
 SQUARE FEET PER BEDROOM: 240
 LINEAR FEET OF TRENCH REQUIRED: 285 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 6.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Layout of trenches to be done with the sanitarian to establish efficient use of the area while maintaining trench lines of same length as much as possible for a total of 285'
NOTES:	No basement gravity service proposed.

PLANS APPROVED: Kacie Noonon (KN) DATE: 2/10/04

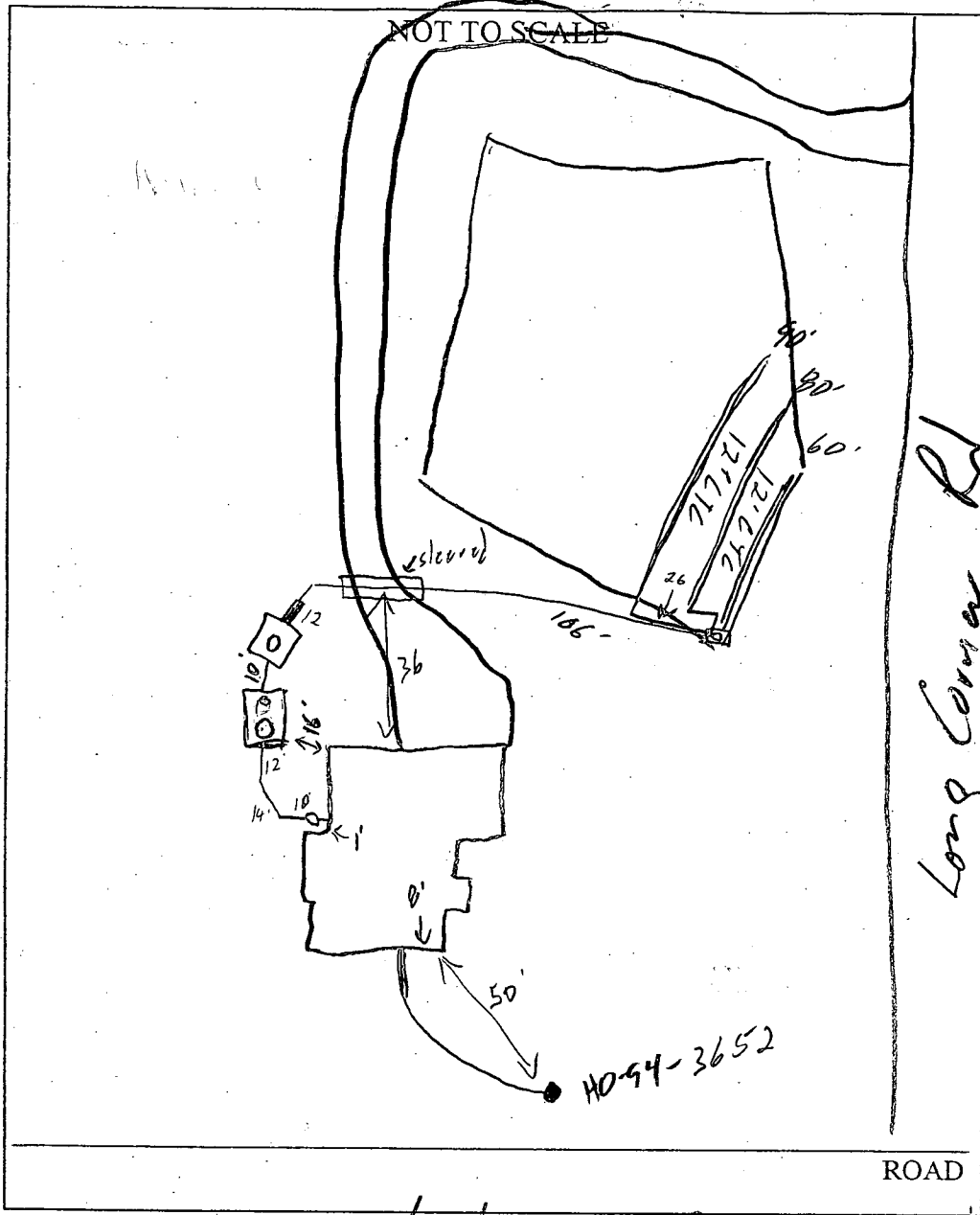
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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 OR 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
 DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

**BUILDING PERMIT SIGNED
 AND RETURNED**

5/10/2004 800147967 500gal 4G LP TANK
 4/28/05 800153026 Delf

A50411-00C



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	5.5	8.0
NUMBER OF TRENCHES		3
TOTAL LENGTH		230
ABSORPTION AREA		690
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input checked="" type="checkbox"/>

SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL <input checked="" type="checkbox"/>		
Comp. CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2-2.5	
BAFFLES	<input checked="" type="checkbox"/>	
BAFFLE FILTER	<input type="checkbox"/>	
MANHOLE LOC	Front	
6" PORT LOC	Back	
WATERTIGHT TEST	<input type="checkbox"/>	
SEPTIC TANK 2 LEVEL <input checked="" type="checkbox"/>		
CAPACITY	1250	GAL
SEAM LOC	Top	
TANK LID DEPTH	2-2.5	
BAFFLES	<input checked="" type="checkbox"/>	
BAFFLE FILTER	<input type="checkbox"/>	
MANHOLE LOC	Center	
6" PORT LOC	<input type="checkbox"/>	
WATERTIGHT TEST	<input type="checkbox"/>	

PRE-CONSTRUCTION 5/12/04 - SRA staked, contours a little off.
 Install 60' x 35' x 65' trenches on contours, sleeve under driveway (SO) 5/13/04 - OK to cover all work.
 Pump & Alarm Test needed (SO)
 6/25/04 - Pump & Alarm Tests OK (SO)

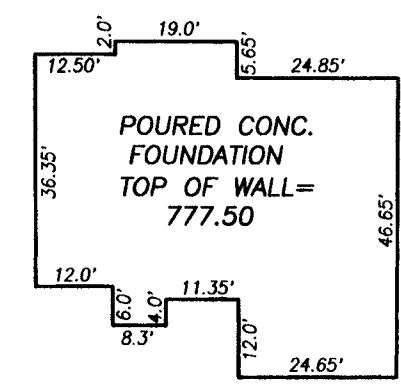
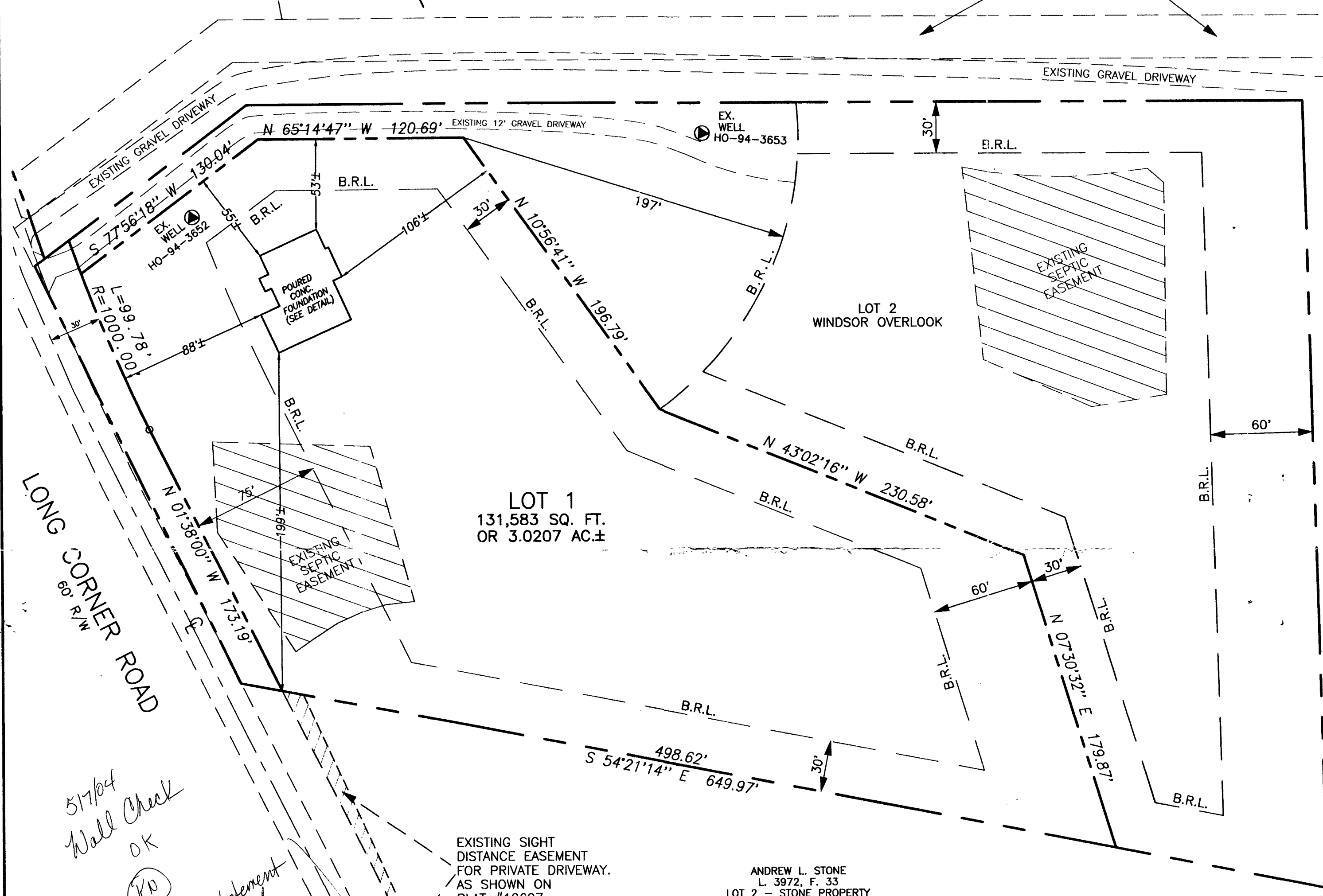
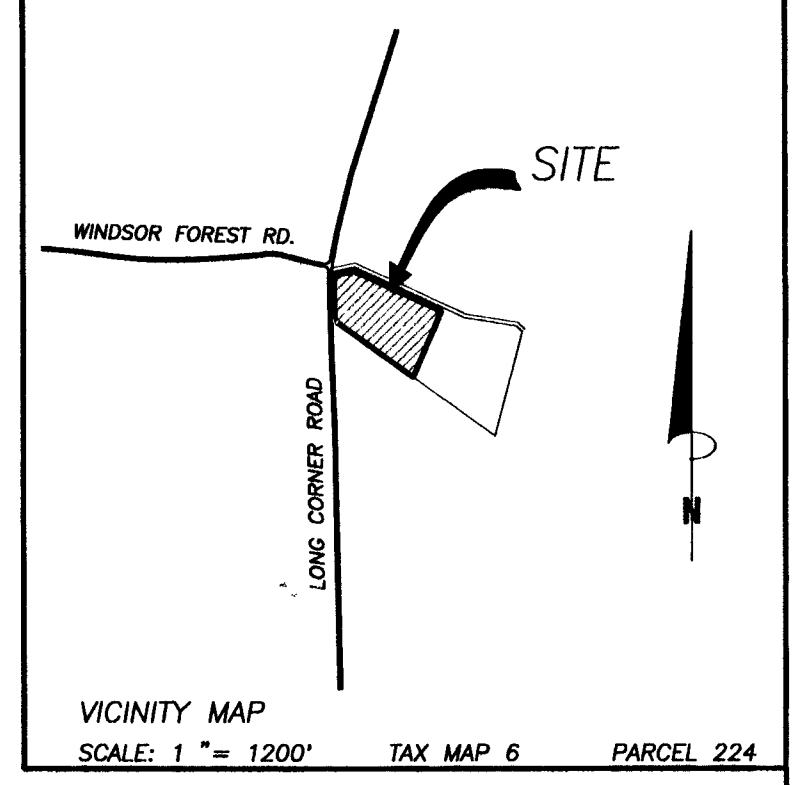
FINAL INSPECTOR [Signature] DATE OF APPROVAL 6/25/04

BUILDING PERMIT SIGNED AND RETURNED

CHARLES R. WALTER &
ROBIN L. SHILLER
L. 1608, F. 579

CHRISTOPHER SCOTT PAYNE
L. 6306, F. 258
LOT 1 - PAYNE'S VIEW
PLAT #10069

ROBERT C. & DOROTHY B.
FITTERER, TRUSTEES
L. 4000, F. 651



DAVID I. & CAROL N.
GOODMAN
L. 2211, F. 105

- NOTES:
- FOOTINGS AND FOUNDATION ARE IN PLACE AS SHOWN HEREON.
 - TOP OF WALL ELEVATION = 777.50

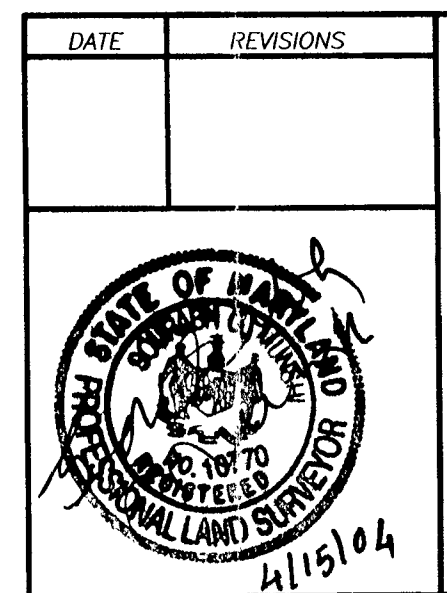
5/17/04
Wall Check
OK
(K10)
Checked OK well statement
- field located by engineer
on site plan

EXISTING SIGHT
DISTANCE EASEMENT
FOR PRIVATE DRIVEWAY.
AS SHOWN ON
PLAT #12697

ANDREW L. STONE
L. 3972, F. 33
LOT 2 - STONE PROPERTY
PLAT #12697

I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

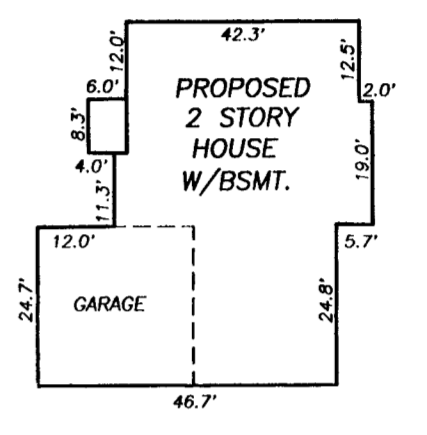
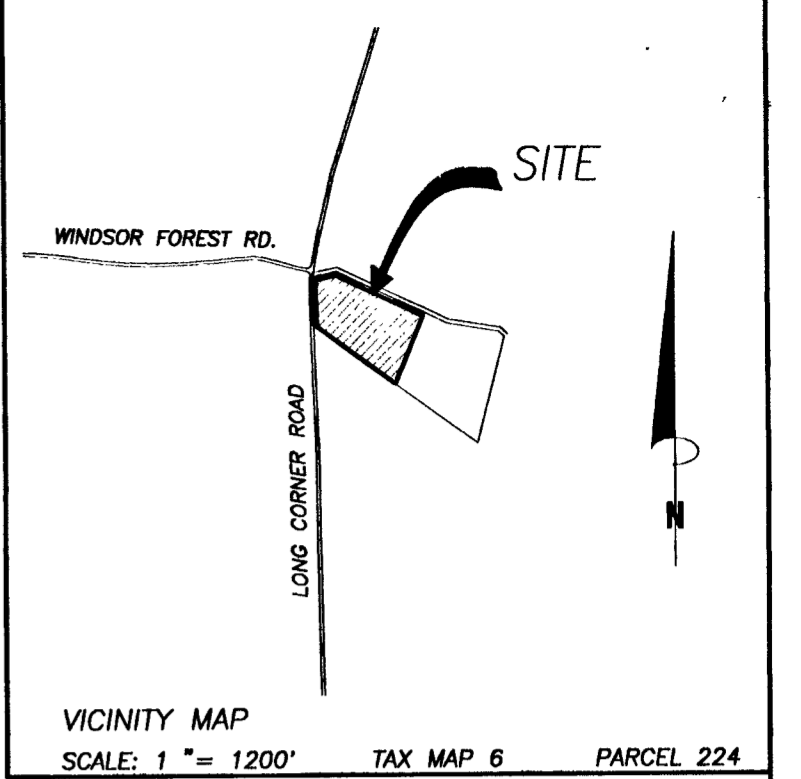
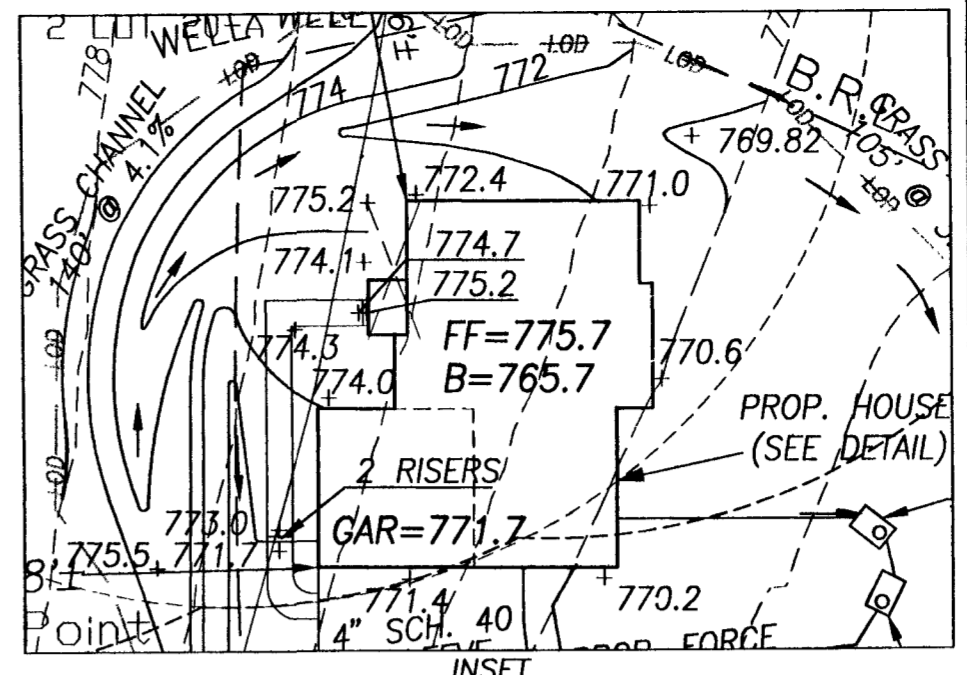
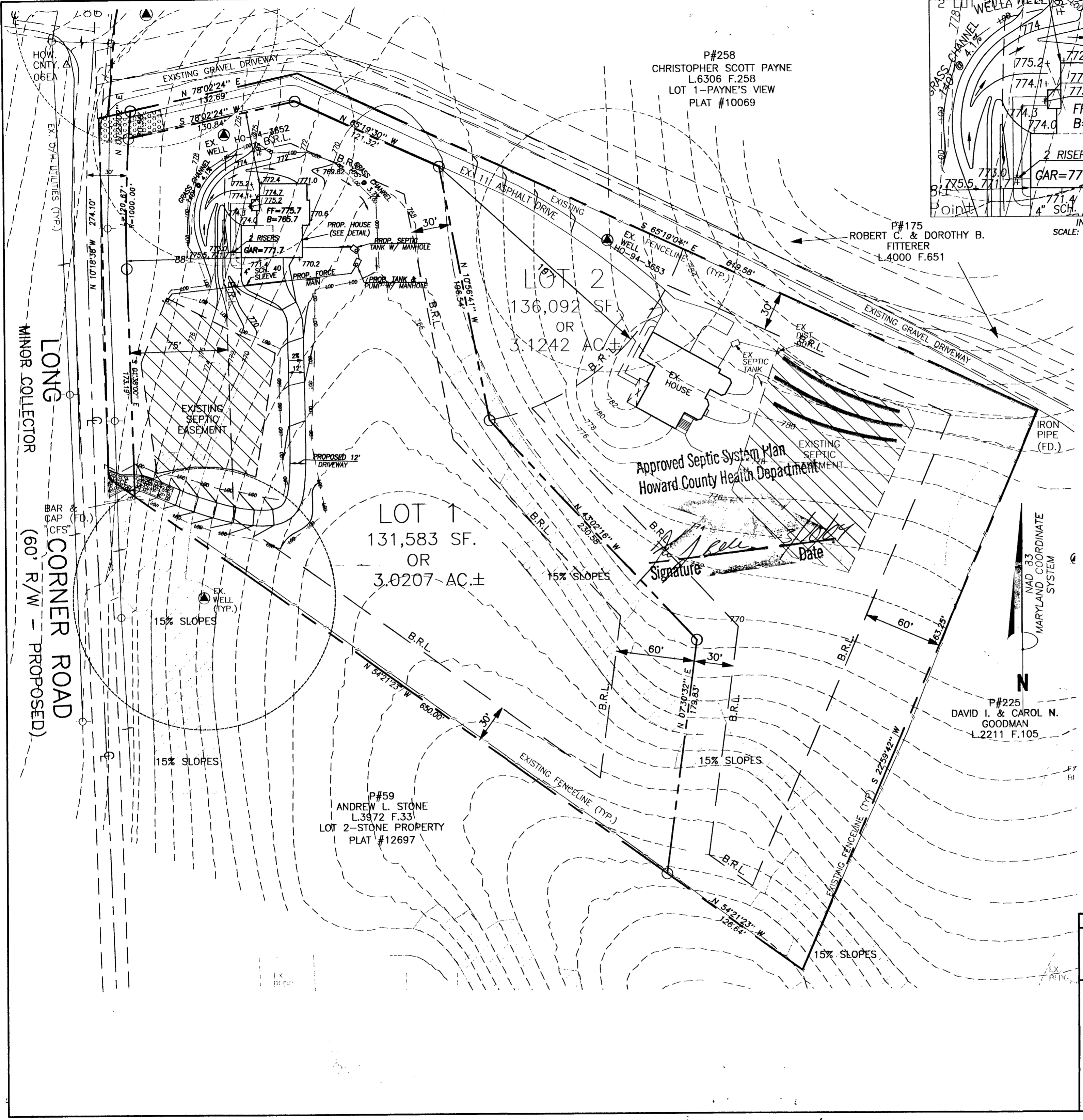
Sourabh Munshi 4/15/04
SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE



WALL CHECK DRAWING
LOT 1
WINDSOR OVERLOOK
(FORMERLY LOT 20 OF THE HOWARD BAIN PARCEL OF C.R. NAPLES FARM)

1787 LONG CORNER ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' APRIL, 2004

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301) 831 5015 (410) 549 2751



SEPTIC ELEVATIONS

PROPOSED HOUSE:
F.F. ELEV. = 775.7
BSMT. ELEV. = 765.7
GAR. ELEV. = 771.7
INV. OUT = 764.50

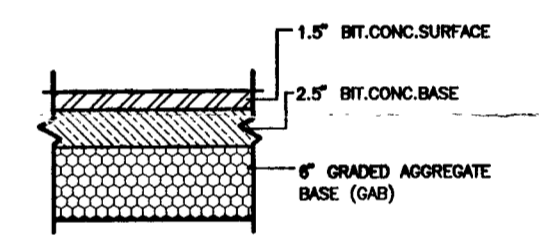
PROPOSED SEPTIC TANK:
EX GRD. ELEV. = 767.3
PROP. GRD. ELEV. = 767.3
INV. IN = 764.24
INV. OUT = 763.99

PROPOSED SEPTIC TANK W/ PUMP
EX GRD. ELEV. = 767.00
PROP. GRD. ELEV. = 767.00
INV. IN = 763.79

PROPOSED DISTRIBUTION BOX:
EX GRD. ELEV. = 778.8
INV. IN = 776.1
INV. OUT = 775.8

NOTES:

- TOPOGRAPHY IS AERIAL FROM HOWARD COUNTY, MARYLAND.
- ACTUAL LENGTH AND NUMBER OF TRENCHES FOR SEWERAGE ARE TO BE DETERMINED AT THE TIME OF SEPTIC SYSTEM PERMIT ISSUANCE.
- PROPOSED HOUSE IS 4 BEDROOM.
- LIMIT OF DISTURBANCE: (LOD) 23,915 Sq. Ft.
- THE EXISTING WELL(S) SHOWN ON THIS PLAN HO-94-3652, HO-94-3653 HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.



DATE	REVISIONS
3/9/04	Per comments



PLOT PLAN
LOT 1
WINDSOR OVERLOOK
(FORMERLY LOT 20 OF THE HOWARD BAIN PARCEL OF C.R. NAPLES FARM)

TAX MAP: 6 ELECTION DISTRICT: FOURTH
GRID NO: 16 HOWARD COUNTY, MARYLAND
PARCEL NO: 224 EX. ZONING: RCDEO
SCALE: 1"=50' JANUARY, 2004

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301)831 5015 (410) 549 2751

C1 14324

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER B AS 0411

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM PERMIT TO DRILL WELL

OWNER COSTELLO PATRICK STREET OR RFD LONG CORNER TOWN MT. AIRY SUBDIVISION Johnson Property SECTION LOT 20A

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Slate, Blue Slate, Brown Slate, Blue Slate, Flint Rock, Blue Slate.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS 10, NO. OF POUNDS 20, GALLONS OF WATER 60, DEPTH OF GROUT SEAL 38 ft.

CASING RECORD: MAIN CASING TYPE PL, Nominal diameter 6, Total depth 40. Includes casing types ST, CO, PL, OT.

OTHER CASING (if used) table with columns for diameter and depth.

SCREEN RECORD: screen type or open hole HO, includes ST, BR, PL, OT.

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: YES (Y), NO (N). CIRCLE APPROPRIATE LETTER: A, E, P.

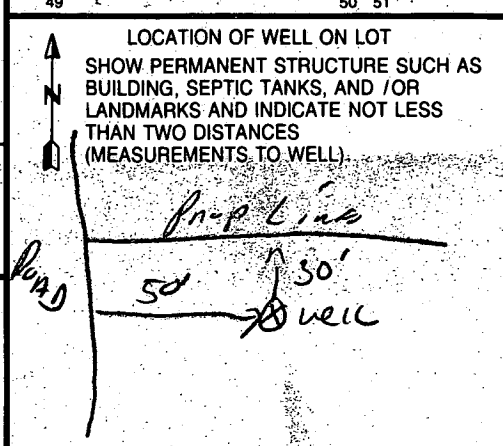
DEPTH (nearest ft.) 200. Includes casing height table and slot size information.

DRILLERS LIC. NO. M... DRILLERS SIGNATURE... LIC. NO. D... SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q. Includes gravel pack and telescope casing information.

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 7.5, METHOD USED BUCKET, WATER LEVEL 40 ft. before, 80 ft. when pumping. TYPE OF PUMP USED S (submersible).

PUMP INSTALLED: DRILLER INSTALLED PUMP YES (NO), TYPE OF PUMP INSTALLED PLACE IN BOX 29, CAPACITY 31-35 GALLONS PER MINUTE, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH 43-47.



B 1 2465

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3652 fill in this form completely

W518559 please type

Date Received (APA) 02 27 03

OWNER INFORMATION

Costello Patrick 3230 Bethany LA. Suite E Ellicott City MD 21042

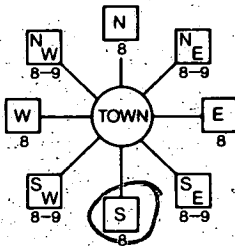
LOCATION OF WELL

Howard Johnson Property 20A Mt. Airy I

DRILLER INFORMATION

Ralph E. Mayne MSD 112 Well Drilling 17024 Handy Rd Mt Airy MD 21071

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Lony Conner Rd NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 40 FT ENTER FT OR MI. TAX MAP: 6 BLK: PARCEL 224

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 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 A5041 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 3-10-03 Kacie Norman 3-10-04 CO SIGNATURE EXP. DATE NORTH GRID 546 000 EAST GRID 756 000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

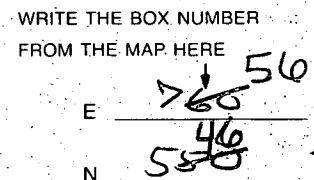
BORED (or Augered) AIR-ROTary JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-POINT other

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)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well



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

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

APPROP. PERMIT NUMBER HO-94-3652 PERMIT No. HO-94-3652

SPECIAL CONDITIONS 418-8900

3110/03

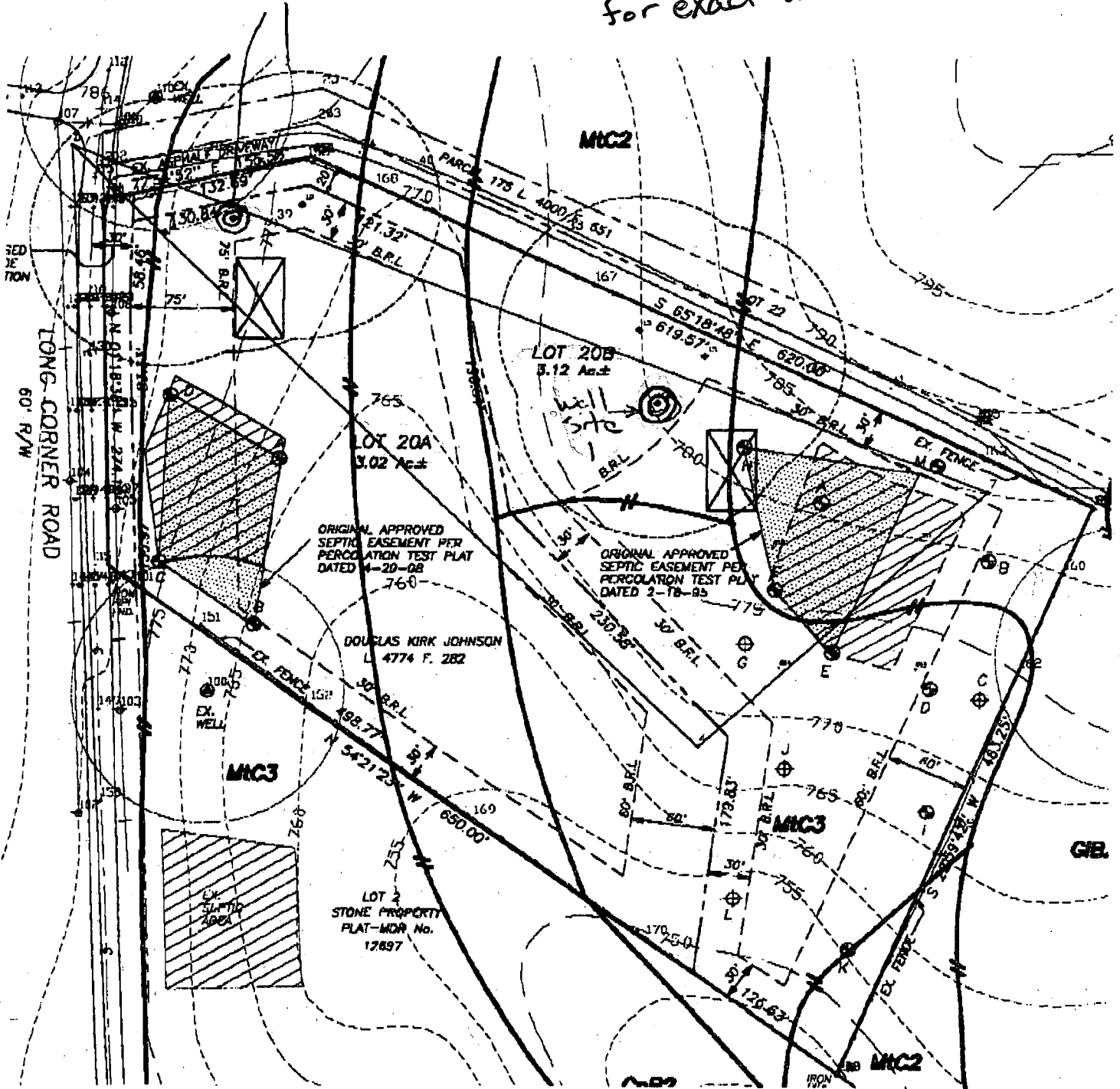
prop. well site
assigned HO-94-3652.

NO site insp.
stated by the
engineer.

(KN)

well site 1

Please check well completion
for exact well location.



APPLICATION

12/5/94
10/20

PERCOLATION TESTING

A 50411B

P _____

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

5
225 NEW
LOT
page 1

DISTRICT _____

DATE 11/23/94

for New lot 20B
2/22/95 RHP

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 JOSEPH J JOHNSON

ADDRESS 22201 GEORGIA AVE PHONE 774-9698

33 ROCKEVILLE, MARYLAND 20833

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION NAPLES LOT NO. 20A

ROAD AND DESCRIPTION LONG CORNER ROAD N E S

C.R. NAPLES LISBON

TAX MAP 6 PARCEL # 224

SIZE OF LOT 6 ACRES 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.

[Signature]
(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

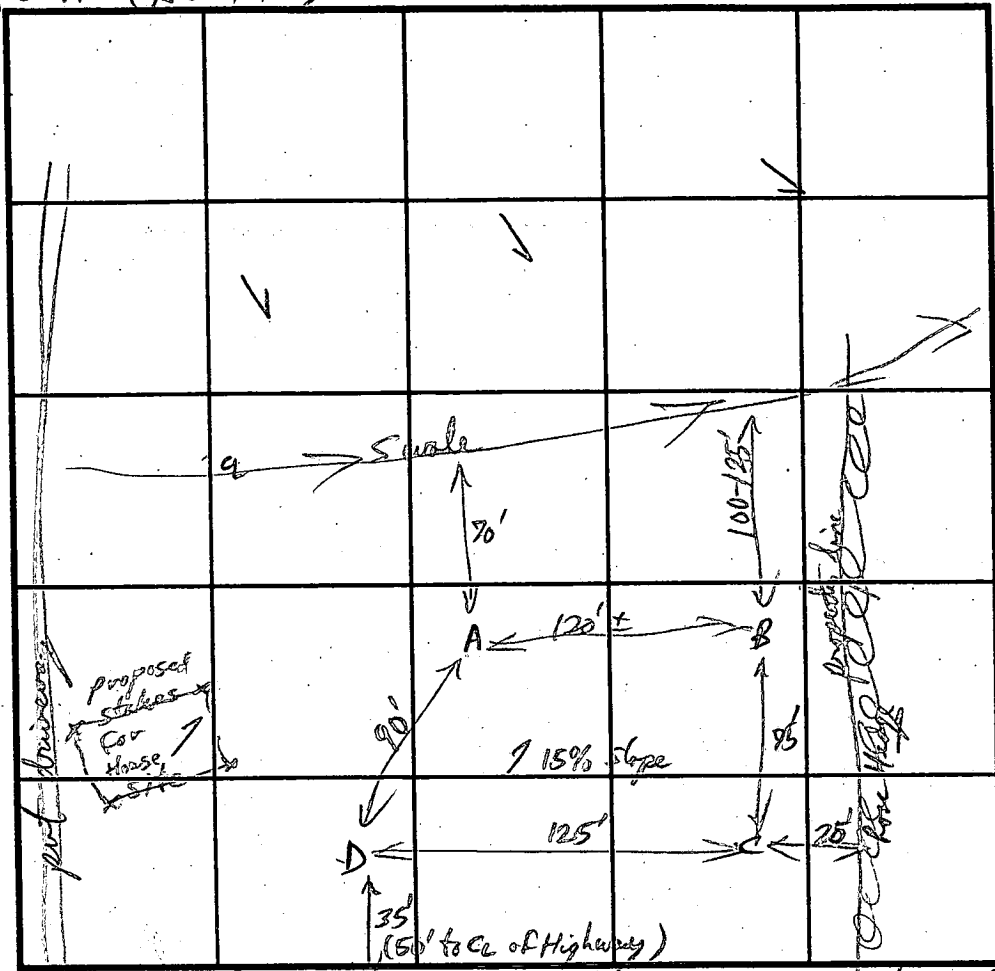
Maple Forest Lot 20A (A50411B)

COUNTY #

SOIL PROFILE A

0' 0" - 8' 70" **Stoben silt**
 8' 70" - 10' 20" **yellow silt (25% clay)**
 10' 20" - 13' 0" **yellow-yellow ch sil-silt (5% clay)**
 13' 0" - 15' 0" **yellow-brown ch sil-silt (10% clay)**
 15' 0" - 20' 0" **blue gray silty loam + 25% clay**
 20' 0" - 25' 0" **pink weathered ch sil 50% - 40% clay**

proposed 12" x 12" drainage



SOIL PROFILE D

0' 0" - 13' 0" **Similar to C**

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE-LINE.

Long Corner Rd

SOIL PROFILE B
 1' 0" - 1' 10" **brown loam silty clay**
 1' 10" - 3' 0" **yellow ch sil**
 3' 0" - 4' 0" **ch sil**
 4' 0" - 6' 0" **yellow-brown ch sil**
 6' 0" - 8' 0" **reddish brown ch sil (35% clay)**
 8' 0" - 10' 0" **blue gray silty loam + 25% clay**
 10' 0" - 13' 0" **dark brown weathered ch sil**

proposed 12" x 12" drainage

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/4/95	low A	5'	10:23:30	10:36:00	10:36:00	10:49:00	13 min
	"	1/3' 3'	10:39:	11:20	pulled - Not great lot in 40 min		Too slow @ 3'
	low B	5'	10:45:00	10:59:00	10:59:00	11:11:00	12 min
	"	1/3 1/2' 8 1/2'	11:01:00	11:30:00	11:30	12:01	30 min
	High C	5'	11:13:00	pulled 1:45	3/4" moisture		
	"	1/3' 6'	11:55:00	11:59:00	11:59:00	12:05	6 min
	High D	4 1/2'	11:39:00	12:07	lot incl		
	"	1/3' 5 1/2'	12:16:00	12:27:00	12:27:00	12:43:00	16 min

REMARKS *Not a Very Dry Year - water tables Not seen on other lots where soil indicate shall be*
 TYPE OF SOIL *Mount Airy + Monro silt loam*
 TESTED BY *RJ Pinkley* ALSO PRESENT *Tom Hill, Jim Reise*
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME *15 min* TRENCH WIDTH *3*
 INLET DEPTH *5' High / 3' low* MAXIMUM BOTTOM DEPTH *7' High / 5' low* SQ. FT./BEDROOM *240*

SOIL PROFILE C
 6' 0" - 8' 0" **Dark brown ch sil**
 8' 0" - 10' 0" **yellow-stoben ch silt**
 10' 0" - 13' 0" **yellow-brown ch sil-cl**
 13' 0" - 15' 0" **35-50% weathered yellow-brown + mica schist ch sil**
 15' 0" - 18' 0" **± to below (Few blaugy rocks seen)**

2 1/2 - 3 1/2'

7' 20"

10'

13'

1-1/2'

3'

4 1/2'

6'

8'

10'

13 1/2'

6'

2 1/2'

6-8'

13'

SUBDIVISION:

LOT NUMBER:

DRY WELL OR DRY WELL AND TRENCH

_____ sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total Square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with _____ feet of stone below distribution pipe.

TRENCHES

_____ sq. ft./bedroom

Trench to be _____ wide.

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ feet below original grade.

_____ feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: _____

original Parc
Notes

Long Corner R2 (A50411A)
Johnson Property
TM 6 parcel 224
New lot A
only

12/9/94 RP

Hole # [H] v 12 1/2 5' 3:29 → 3:34 → 3:42

8 min

3 Red CL
6 Yel SIL
Mix color dark
chert like
of 20% phyllite

Hole # [M] v 15' Visual only

3-4 Red CL
gray silty
mix of hl
and chert
chromy 20%
10' silty 20% SL
pale bl/wh silty
No Stones
5' SL
15'

D test at 9 ft 3:52 → 3:54 → 3:58
probably OK from 6 to 7 ft

4 min OK below 7'

J test @ 8 ft 4:01 → 4:19 → 4:26

37 min

12/9/94
10,00

APPLICATION

PERCOLATION TESTING

Page 2 of 2 A 504118A
P _____

RECEIVED
HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
NOV 10 11:27

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
2625 H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE 313-2640

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

DISTRICT _____

DATE 11/23/94

*\$25
REGRAD LOT
APPARENTLY PROBABLY
UNABLE TO CONFIRM*

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

PROPERTY OWNER JOSEPH S JOHNSON

ADDRESS 2201 GEORGIA AVE PHONE 301-774-9698
BROOKVILLE MARYLAND 20833

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: _____

*all test notes pages 1+2 apply to New lot A
App 2/22/95 only*

SUBDIVISION NAPLES LOT NO. 20A

ROAD AND DESCRIPTION LONG CORNER ROADS
C.R. NAPLES LISBON

TAX MAP 6 PARCEL # 224

SIZE OF LOT _____ TYPE BLDG. S F D
(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]
(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

5041/B

COUNTY #

(2 SHEETS A & B!)

SOIL PROFILE H

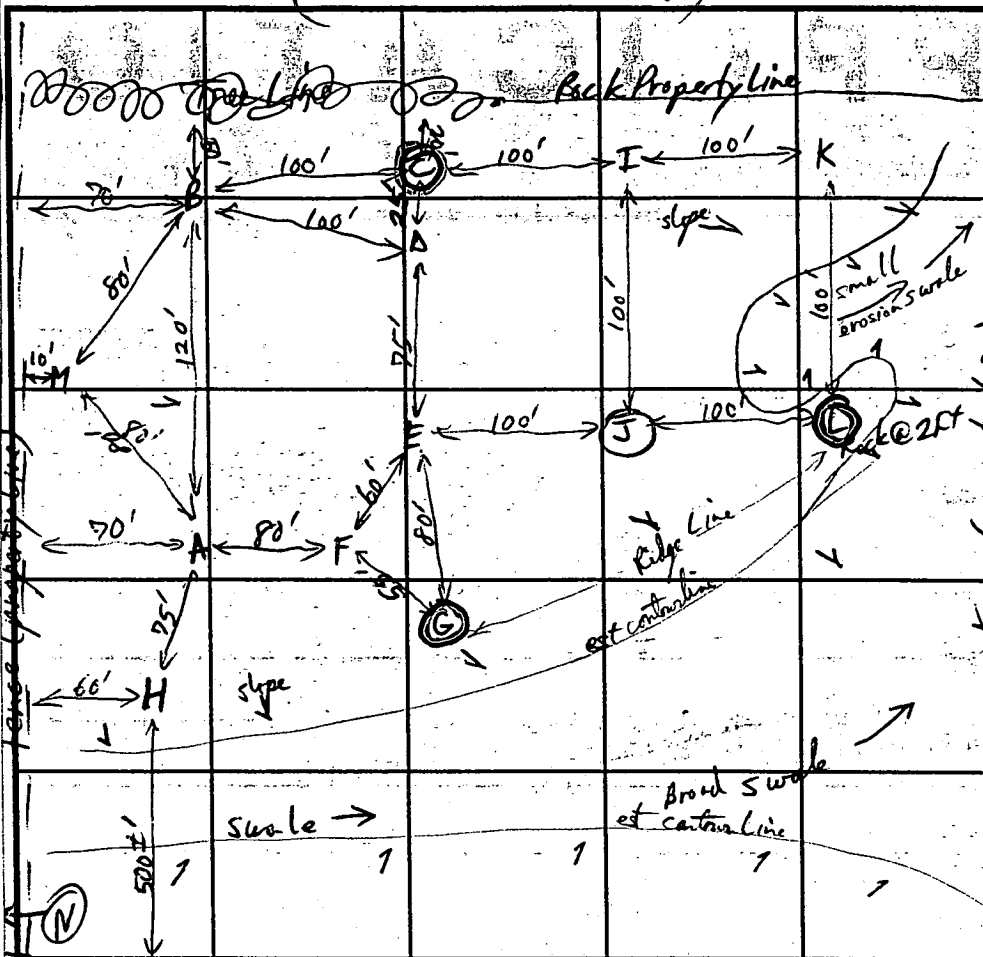
0'	Red CL
3'	Yel SIL
6'	Mix colors dark ch mica loam w pockets of 20% phyllite channels
12 1/2'	

M

3-4'	Red Brn - Yel Red SIL
10'	grey + Red Brn Mix of h loam - and neutral Brn loam 30% channels strong 30% SL
15'	Pale Red/Purple Tan SL No stones

SOIL PROFILE

0'	
15'	
4'	
14'	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/94	F	13' 6"	2:42	2:49	2:49	2:52	5min
	I	14' 6"	2:54	3:00	3:00	3:16	16min
	J	14 1/2' 6"	2:53	3:20	1/2" water in 29min		Too slow at 6'
	H	12 1/2' 5"	3:29	3:34	3:34	3:42	8min
	J	Retest 8'	4:01	4:19	4:19	4:56	37min @ 8' fail
	G	17 1/2'	Refusal - Too Rocky				Fail
	L	Rocky @ 25'					Fail
	K	(same as B) Visual only to 12'					O.K.

REMARKS

TYPE OF SOIL Chester

TESTED BY R. Pinkney

ALSO PRESENT Joe Howley Jim Reese

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

APPLICATION

PERCOLATION TESTING

*original field
test notes
for New lot A
only*

A 50411A
P _____

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

DISTRICT _____

DATE 11/23/94

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 Joseph J Johnson

ADDRESS 2220 1 Georgia Ave PHONE 301-774-9698

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Naples LOT NO. 20 A

ROAD AND DESCRIPTION Long Corner Road NES

L.R. Naples Lisbon

TAX MAP 6 PARCEL # 224

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 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

60411 BFB

COUNTY #

SOIL PROFILE

0' E A

0-5' yellow silt
yellow silt
red ch. cl.
mix

5-6' mix of yellow
silt
and red/tau
clay loam

8' tau-pale
light red
ch. loam

K, D, I, B

1/2' yellow clay silt

1/2' mix red
and tau
ch. silt-cl.

4' grey streaks of
phyllite
bedded in ch.
silt-cl.

clay loam

10-25%
coarse sand
to medium
grains

C

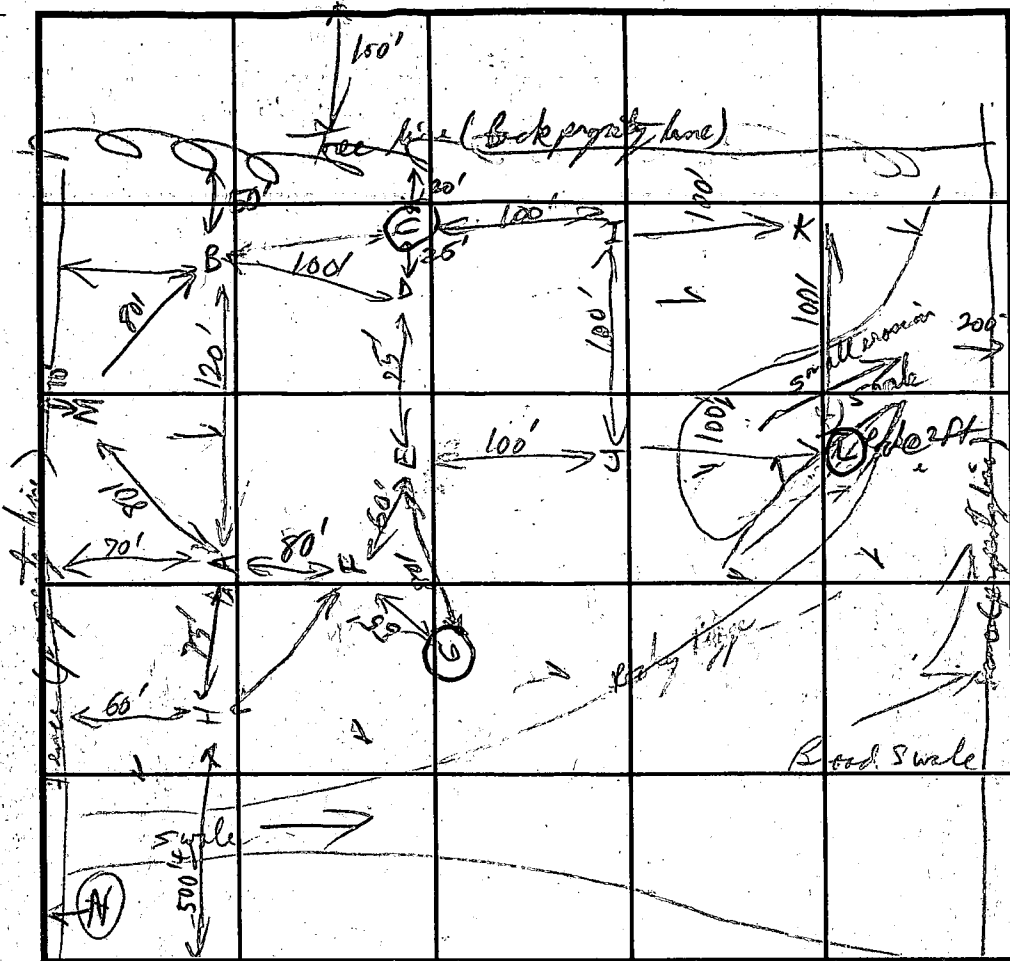
3 1/2' yellow clay silt

1' clayey
phyllite schist
clay loam

blue grey
+ rusty yellow
color

back traps
50-75%
by volume

spot line



Generally, 1' ch with 1' depth

SOIL PROFILE

0' E

3' mix yellow
silt-cl

5' mix yellow
silt-cl

6' tau +
light tau
ch. loam

15-25%
small-red
clay loam

15' hole J

1' red tau - yellow
silt-cl

4' pale yellow
ch. loam

14'

4 1/2' I

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

1/2' K - Same as B - Windsor - 11:10-11:15 OK

DATE	TEST NO.	DEPTH	PRE-WET/1'		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/94	A	4'	11:02	11:22	pulled No More		
	at below 5'	6'	11:24:00	11:26:00	11:26:00	11:30:00	4 min
OK below 4'	B	3'	11:10	11:30	11:32	11:55	23 min
	in layer 25% clayey phyllite	5 1/2'	11:34:00	11:35:00 → 11:41:30	11:37:00	11:44:30	3 1/2 min
	(C) U10	100' Parker	10:00	10:00	10:00	10:00	(Fail)
	D U15 1/2	5'	12:30	3:20	45 min - lot		Too Slow
	E U15'	3 1/2'	12:52	2:54	1:20	no present	21 min
	(6) U7 1/2	6'	2:39	2:54			(Fail)
	F U13'	6'	2:42	2:47	2:47	2:52	5 min
	I U14'	6'	2:54	3:00	3:00	3:15	16 min
	J. U14 1/2	6'	2:53	3:20	3:20	3:20	Too Slow
	U12 1/2	5'					

REMARKS

TYPE OF SOIL

TESTED BY R. Parker

ALSO PRESENT Joe Mowry, Tom Rabe

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

12/9/94

10:00

APPLICATION

PERCOLATION TESTING

A 50411A

P _____

RECEIVED
HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
NOV 10 1994

NOV 10 1994 11:27

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

*P 25
RECALL LOT Page 1 of 2
APPARENTLY PROBABLY
UNABLE TO CONFIRM*

DISTRICT _____

DATE 11/23/94

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

PROPERTY OWNER JOSEPH J JOHNSON

ADDRESS 22201 GEORGIA AVE PHONE 301-774-9698
BROOKVILLE MARYLAND 20833

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION NAPLES LOT NO. 20A

ROAD AND DESCRIPTION LONG CORNER ROAD WES

C.R. NAPLES LISON

TAX MAP 6 PARCEL # 224

SIZE OF LOT _____ TYPE BLDG. S F D
(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]
(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

50411A
COUNTY #

(2 SHEETS A+B!)

Generally
Increasing channers with
increasing depth

SOIL PROFILE
E, E, A

0' Yel Brn SiCL
- Yel Red SiCL
Red ch CL
Mix

5-6' Mix yel silt
and Red/Tan
channery
Loams

8' Tan pale
Yel Red
ch Loams

13 1/2'

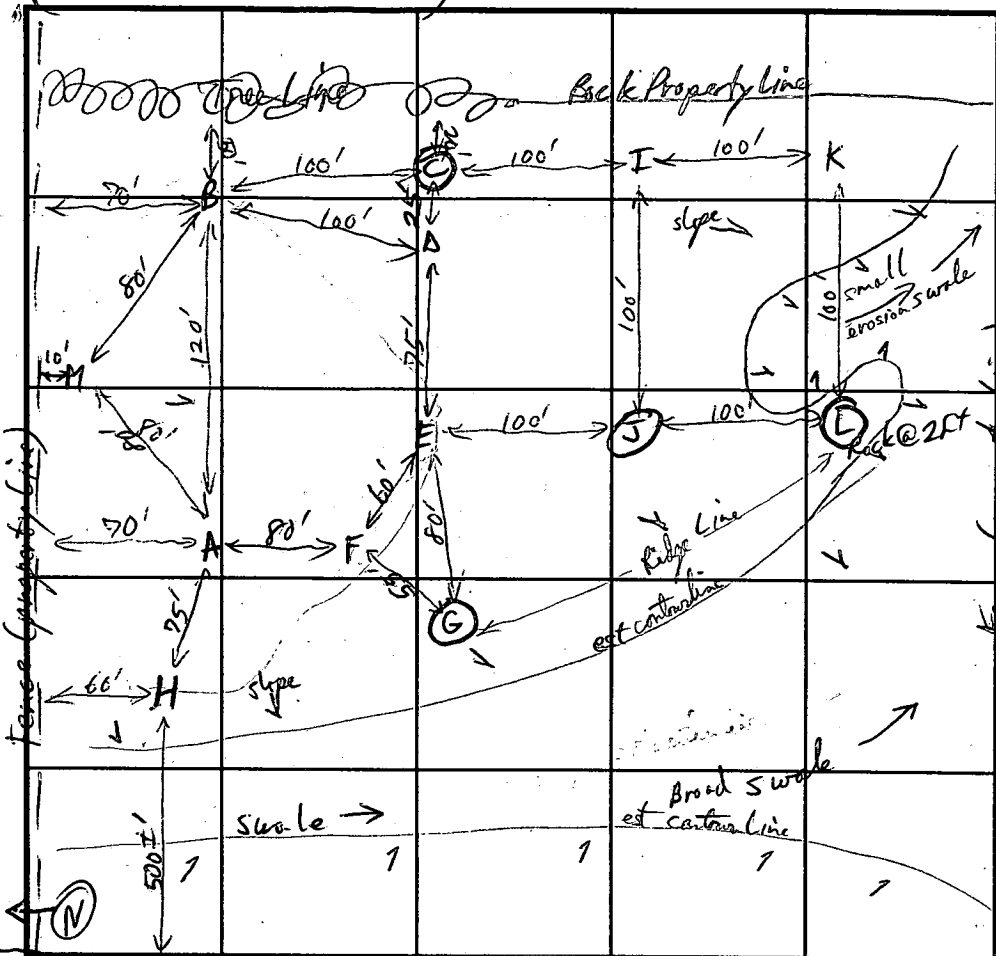
SOIL PROFILE
E

0' Mix yel Brn
SiCL

3' Mix Red (grey)
yel SiLT

5' Tan & light
Brn
ch Loam

15' 15-25%
small-med
channers



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Lang Corner Rd

Hole J

Mix Brn - yel Brn
SiCL

4' pale yel - Tan Brn
ch Loam

14 1/2'

Hole L
Rock @ 2ft
Refusal

K, D, E, B
yd Brn SiCL

15' Mix Red
and Tan
ch SiCL - hl

4' grey streaks
of phyllite
separates
banded in above
ch SiLT L

channers
60-25%
sized small (<1")
- Med (<6")

Yel Brn +
yel Red
SiCL

v. channery
phyllite schist
Loams
Blue grey
+ rusty yellow
colors

Rock Frags
50-75%
by volume

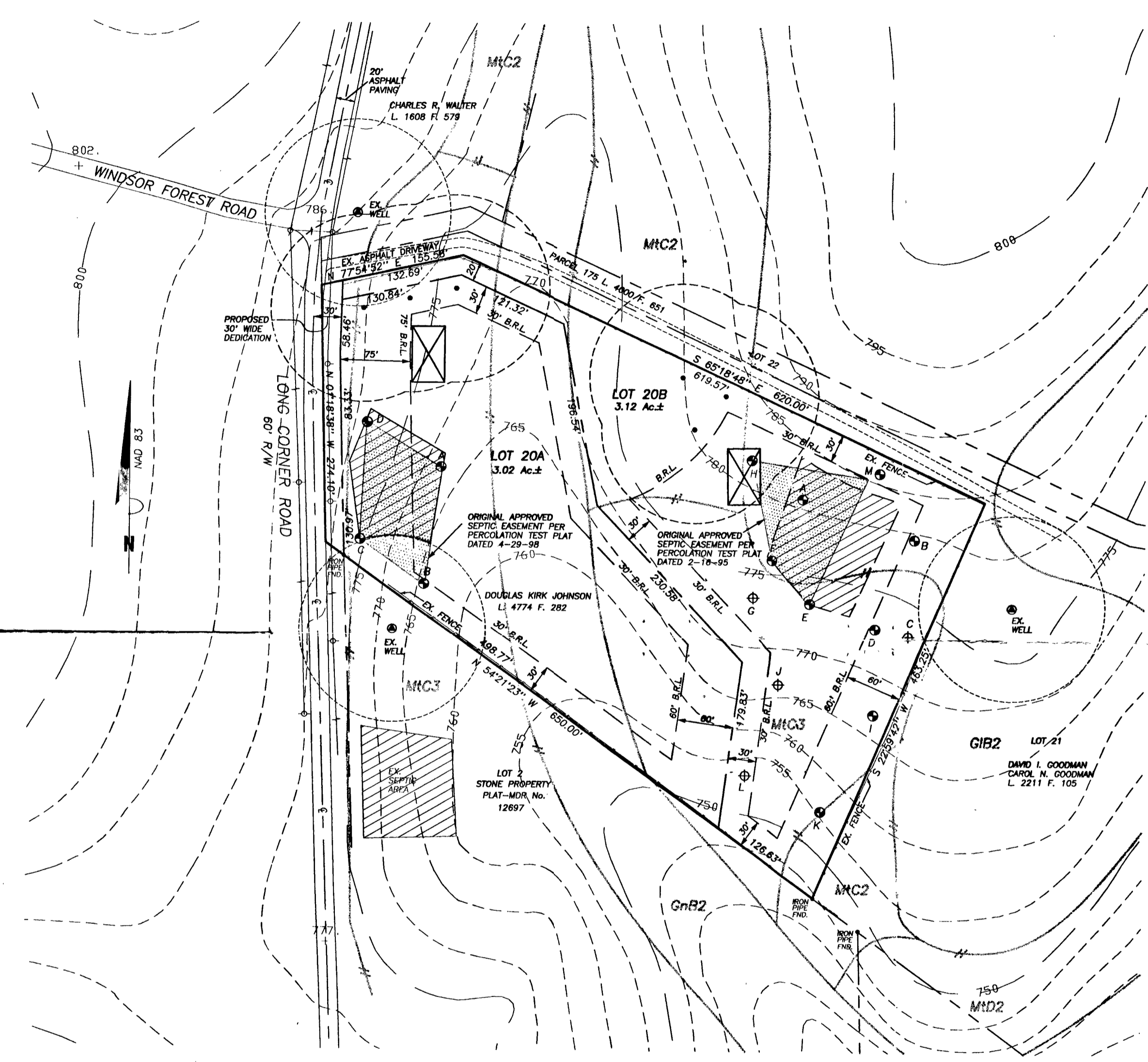
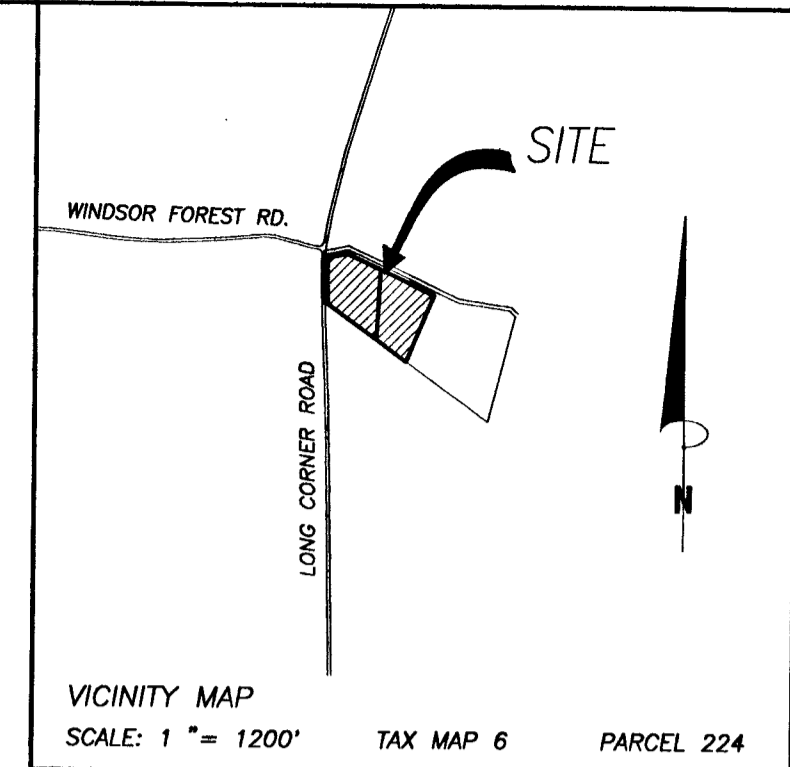
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/94	A	4'	11:02	11:22	pulled - No Movement		Fail @ 4'
		OK Below 5'					OK Below 5'
OK Below 4'	B	6'	11:24	11:26	11:26	11:30	4 min
		3'	11:10	11:32	11:32	11:55	23 min
		5 1/2'	11:34	11:35	11:37		
		12 1/2'	11:39	11:41:30		11:44:30	3 min
	C	10'	Too Rocky		10 second perc at Bottom		Fail
	D	15'	12:35	3:20	4 1/5 min 1st "		4 1/5 min
		5'	12:30	pulled - caving in per hole			1st inch
		9'	3:52	3:54	3:54	3:58	4 min
	E	3 1/2'	12:52	Pulled @ 11:20 - No Movement			5:56 @ 3'
		6'	2:39	2:54	2:54	3:15	21 min
	F	13'	2:42	2:47	2:47	2:52	5 min
	M	15'	Visual Only				OK

REMARKS - Best area within B, D, E, F, H, M boundary
Problems are shallow depth to Rock and at some sites slow perc rates at shallow depths

TYPE OF SOIL _____
TESTED BY R Spinkley ALSO PRESENT Joe Howry
Jim Reize

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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



GENERAL NOTES:

- OWNER: DOUGLAS KIRK JOHNSON
DEED REFERENCE: LIBER 4774 FOLIO 282
DATE: MAY 20, 1999
GRANTORS: JOSEPH JAMES JOHNSON
BERNICE BITNER JOHNSON
- TAX MAP: 6 GRID: 16 PARCEL: 224
- NEAREST POTABLE WATER SUPPLY: MT. AIRY
DISTANCE: 2 MILE ±
- THERE IS NO FLOOD HAZARD (100 YEAR FLOOD PLAIN) LOCATED ON THIS PROPERTY ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL # 240044 0006 B, REVISED DECEMBER 4, 1986
- TOPOGRAPHY: HOWARD COUNTY DATUM
CONTOUR INTERVALS ARE AT 5 FEET.
- THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
- SOIL TYPE:
MT. AIRY CHANNERY LOAM (MTC2, MTC3,)
GLENFLC (G1B2)
GLENNVILLE (GnB2)
HOWARD COUNTY SOILS MAP No. 5.
- ZONING DISTRICT: RCDO
- The lots shown hereon comply with the minimum ownership, width and lot areas

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL.

IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

EXISTING PASSED PERCOLATION TEST SITE:

EXISTING FAILED PERCOLATION TEST SITE:

EXISTING WELL:

PROPOSED HOUSE SITE:

PROPOSED WELL SITE:

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 2/14/03
HOWARD COUNTY HEALTH OFFICER DATE

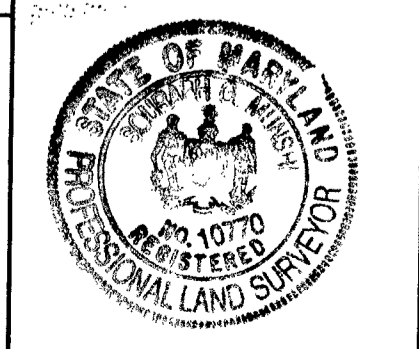
OWNER:
DOUGLAS KIRK JOHNSON
C/O FORTY WEST GROUP, INC.
3230 BETHANY LANE
SUITE 1
ELLICOTT CITY MD. 21042
410-418-8900

THE PURPOSE OF THIS PLAN IS TO REVISE THE SEWERAGE EASEMENT CONFIGURATION, BASED ON CURRENT FIELD CONDITIONS FROM THE PERCOLATION TEST PLAT APPROVED APRIL 29, 1998

I HEREBY CERTIFY THERE ARE NO WELLS OR SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN HEREON.
I FURTHER CERTIFY THAT THE PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED IF EXISTING AND ACCURATELY STAKED IF PROPOSED AND SHOWN HEREON.

[Signature] 2/15/03
SOURABH G. MUNSHI, PROF. L. S., MD. REG. # 10770 DATE

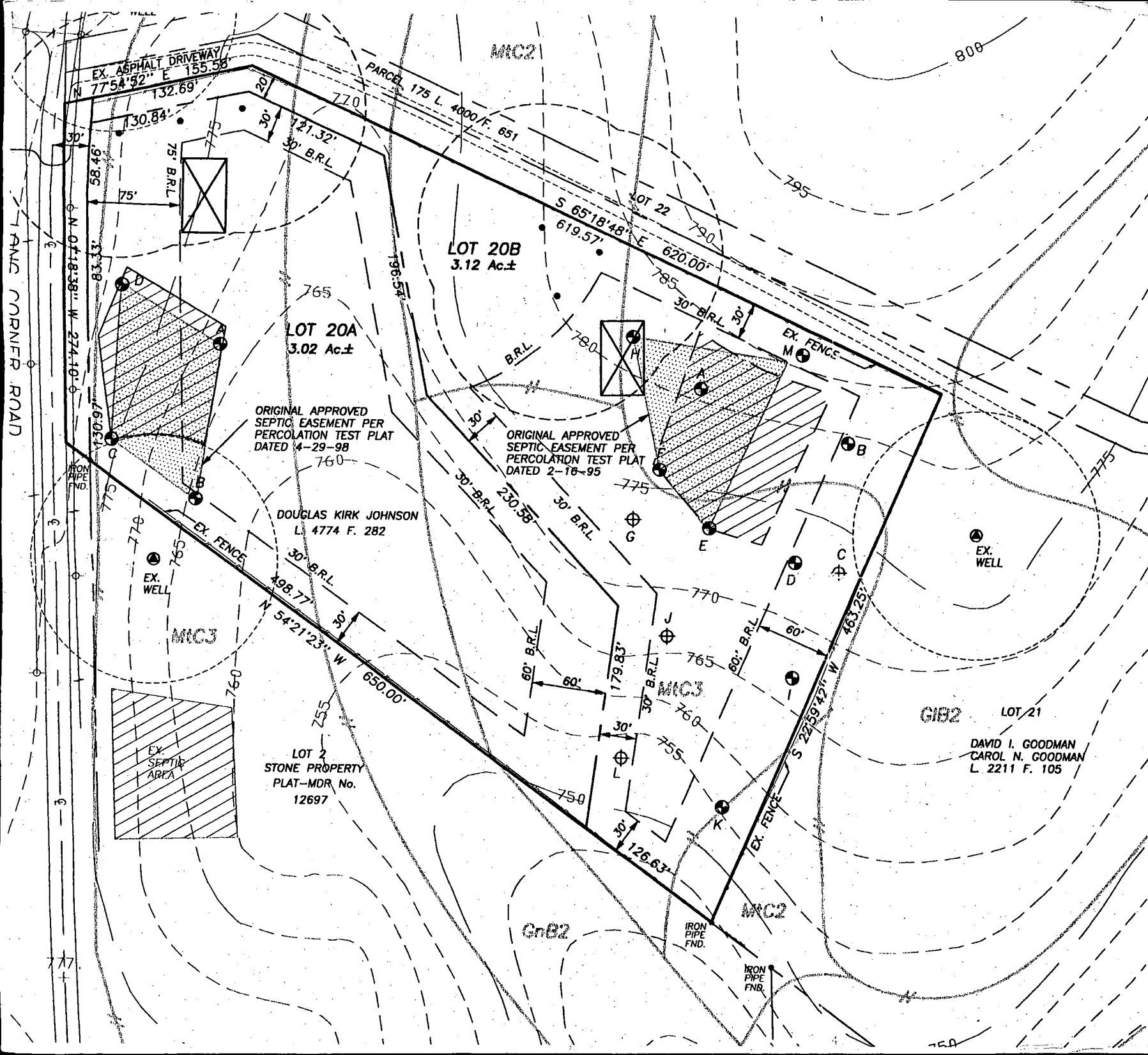
DATE	REVISIONS
2-3-03	PER H.D. COMMENTS



PERCOLATION CERTIFICATION PLAN
JOHNSON PROPERTY

LIBER 4774 FOLIO 282
LONG CORNER ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
SCALE: 1" = 100' JANUARY, 2003

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. Box 328 Mount Airy, Maryland 21771
(301) 829 2890 (301)831 5015 (410) 549 2751



SIGNED
 PERC
 CERT.
 OR 18
 IN
 20B
 FILE
 3/10/03
 KN
 SIGNED IN
 '03

LOT 20B
 3.12 Ac.±

LOT 20A
 3.02 Ac.±

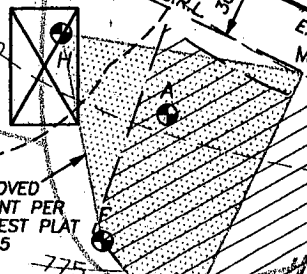
ORIGINAL APPROVED
 SEPTIC EASEMENT PER
 PERCOLATION TEST PLAT
 DATED 4-29-98

ORIGINAL APPROVED
 SEPTIC EASEMENT PER
 PERCOLATION TEST PLAT
 DATED 2-18-95

DOUGLAS KIRK JOHNSON
 L. 4774 F. 282

LOT 2
 STONE PROPERTY
 PLAT-MDR No.
 12697

DAVID I. GOODMAN
 CAROL N. GOODMAN
 L. 2211 F. 105



TANG CORNER ROAD

777

760

JAMES R. WALTER &
ROBIN L. SHILLER
L. 1608, F. 579

CHRISTOPHER SCOTT PAYNE
L. 6306, F. 258
LOT 1 - PAYNE'S VIEW
PLAT #10069

*Quarantine to
Sun
B.C.
face*

