

LAYOUT 11/14/03 - 11 AM INSP 4 _____
 INSP 2 11/21/03 INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 10/16/2003
 APPROVAL DATE: 12/10/03

**PERMIT
INDEXED**

04-367111

P 519624
 A 510610-B

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

South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

ADDRESS: 4410 Salem Bottom Rd, Westminster PHONE NUMBER: 410-875-4197

SUBDIVISION: Maple Ridge LOT NUMBER: 3

ADDRESS: 15409 Maple Ridge Drive PROPERTY OWNER: NVR, 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 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box about 40' downhill of the highest corner easement stake as shown on the building permit plan. Run trenches on contour towards garage.
NOTES:	<i>INSTALL CURTAIN DRAIN AS SHOWN ON SUPPLEMENTAL PLAN MR</i>

PLANS APPROVED: Brian Baker MR DATE: 5/2/03

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 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

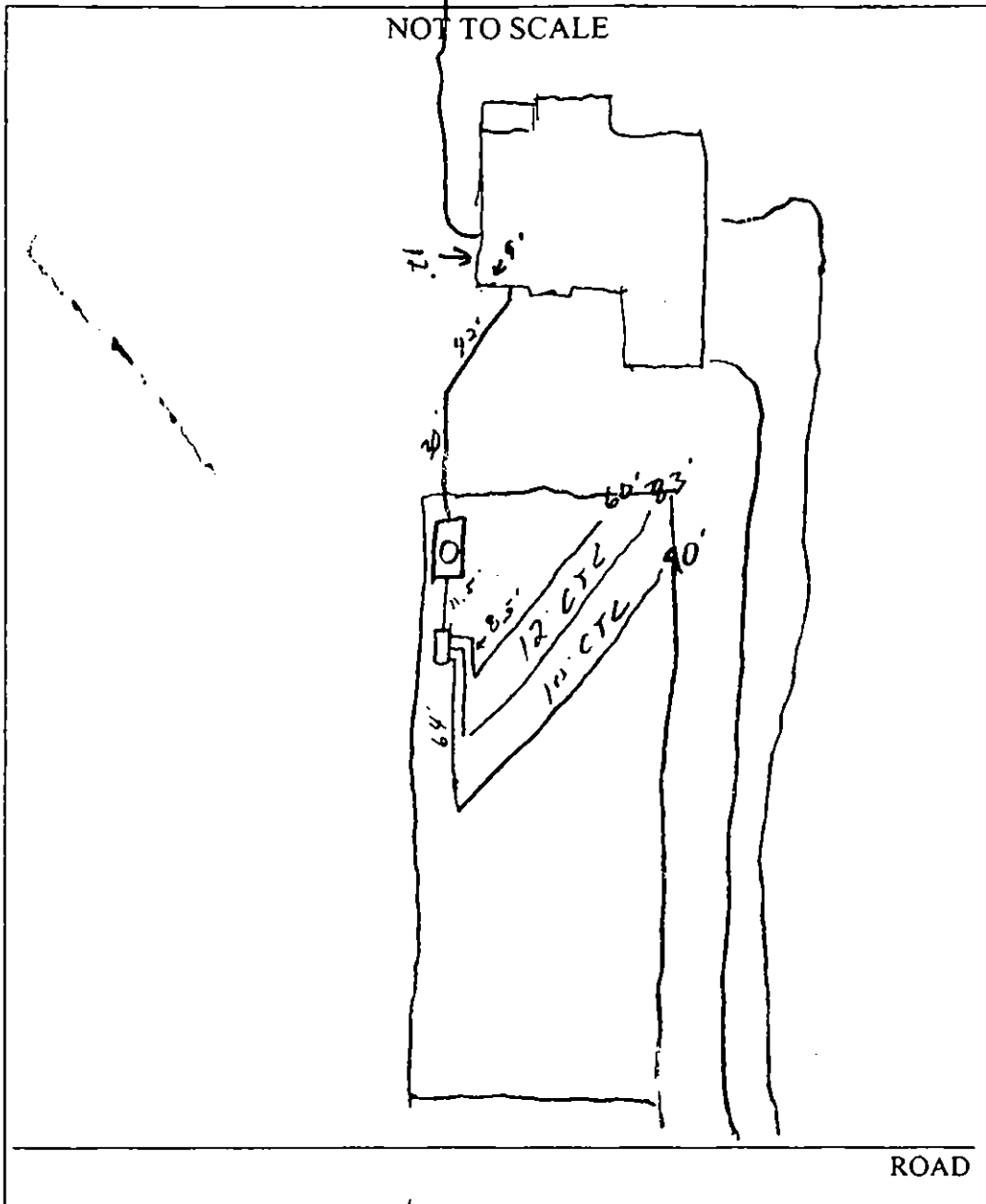
BUILDING PERMIT SIGNED AND RETURNED 10-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

*10-2-03 BOU 143348 - PROPANE TANK
 9-13-05 BOU 155094 - DECK*

AS10610-B

HO-44-3473

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4.5	6.5
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		7200
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"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	Lead to F14
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input checked="" type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	<input checked="" type="checkbox"/>
WATERTIGHT TEST	<input checked="" type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input type="checkbox"/>
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	N/A
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 11/14/03 LAYOUT NOT OK '6-8' FILL @ NE COR OF SDA!
 REMOVE FILL & RE-STAKE SDA MR/SO 11/18/03 FILL OR STAKE ON
 INSTALLATION FILL ADVISED FILL CANNOT BE RETURNED TO ORIG. AVOID
 11/21/03 - Every thing install, could only get 90' on last
 trench OK to cover all work, FILL was removed.
 Certain drain still an issue (S) 11/24/03 telephone call to SE Superintendent
 about placing filler SDA that trenches were installed. Told him to provide grading plan & plan
 will be reviewed. (S) 12/9/03 Acceptable plan received to allow "same" rekit in fill in of
 septic area.

BUILDING DEPARTMENT
 GRADING DIVISION

FINAL INSPECTOR Jhr

DATE OF APPROVAL 12/10/03

LOT 2
45,310.000sf±

LOT 3
45,310.000sf±
Septic System Plan
County Health Department

[Signature]
Signature

12/24/03
Date

CLIFTON
PARK-B
FF: 562.66

Edge of
Walk

3 Car
Gar.

Ex. Yard
Inlets

Ex. Septic Tank
Ex. Top: 551.00
Ex. Ground: 553.09
Prop. Grade: 554.00

Ex. Distribution Box
Ex. Ground: 551.40
Prop. Grade: 551.40

Ex. Septic
Trenches

BGE
Trans.

MAPLE RIDGE DRIVE
(PUBLIC ACCESS PLACE)

FSH Associates

Engineers Planners Surveyors

9318 Forrest Street Ellicott City, MD 21043

Tel: 410-750-2251 Fax: 410-750-7350

E-mail: FSHAssociates@cs.com

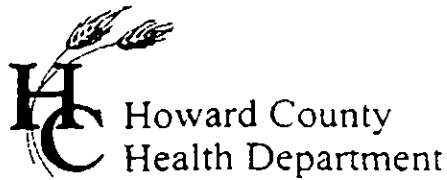
- NOTES
- The purpose of this plan is to revise the existing grades in front of the existing house on Lot 3
 - Existing topography field run by C.B. Miller & Associates on November 26, 2003
 - Existing location of septic trenches marked in field by NV Homes and field located by C.B. Miller & Assoc. on December 08, 2003

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=50'
 DATE: Dec. 10, 2003
 W.O. No.: 3138
 SHEET No.: 1 OF 1

GRADING EXHIBIT MAPLE RIDGE LOT 3

TAX MAP 08 GRID 14 & 20
4TH ELECTION DISTRICT

PARCEL 51 & 378
HOWARD COUNTY, MARYLAND



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

August 18, 2003

MEMORANDUM

TO: Avis Corbin, Chief
Licenses and Permits

FROM: Mark Rifkin *MR*
Well and Septic Program

RE: B00141090
Maple Ridge Lot 3
15409 Maple Ridge Drive

The Health Department hereby reissues its recommendation for approval of the referenced building permit, as amended. The builder has agreed to install a curtain drain around portions of the sewage easement to reduce the stormwater impact of the grading on the sewage easement.

MR
cc: File



Howard County
Health Department

3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

INTEROFFICE MEMO

DATE: 7/7/2003
TO: DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
CC: FILE
FROM: BRIAN BAKER, EXT. 2643
RE: BUILDING PERMIT # B00141090 - 15409 MAPLE RIDGE DRIVE

Please rescind the Health Department's approval for the above referenced building permit. A potential problem was missed during its review. The proposed grading around the septic easement may cause flooding and premature failure of trenches installed within the easement. The grading must be changed to minimize the amount of water directed towards the septic easement. We are attempting to have a meeting with a representative from NVR Homes in order to resolve this issue.

Thanks.

Hold Building Permit
Until Grading Issue
Resolved RESOLVED 8/18/03

7/7/2003

FSH ASSOCIATES

8318 Forrest Street □ Ellicott City, MD 21043
(410) 750-2251 □ Fax (410) 750-7350

PLEASE DELIVER THE FOLLOWING FAX TO:

DISCARD
AT TIME
OF FILE
INDEXING

DATE OF TRANSMISSION: JULY 3, 2003

NAME: MARK RIFKIN

COMPANY: HOWARD COUNTY HEALTH DEPARTMENT

PHONE #: 410.313.1771

FAX #: 410.313.2648

SUBJECT/PROJECT: MAPLE RIDGE

FROM: Paul Sill

TOTAL NUMBER OF PAGES: 2 (Including cover page)

I WOULD LIKE PERMISSION TO FILL ON THE BOTTOM OF THIS SEPTIC FIELD. OTHERWISE, THE GRADES ARE TO FLAT TO LET THE DRAINAGE OUT PAST THE DRIVEWAY.

IF YOU HAVE ANY OTHER QUESTIONS PLEASE DO NOT HESITATE TO CALL THIS OFFICE.

Thanks,

Paul Sill

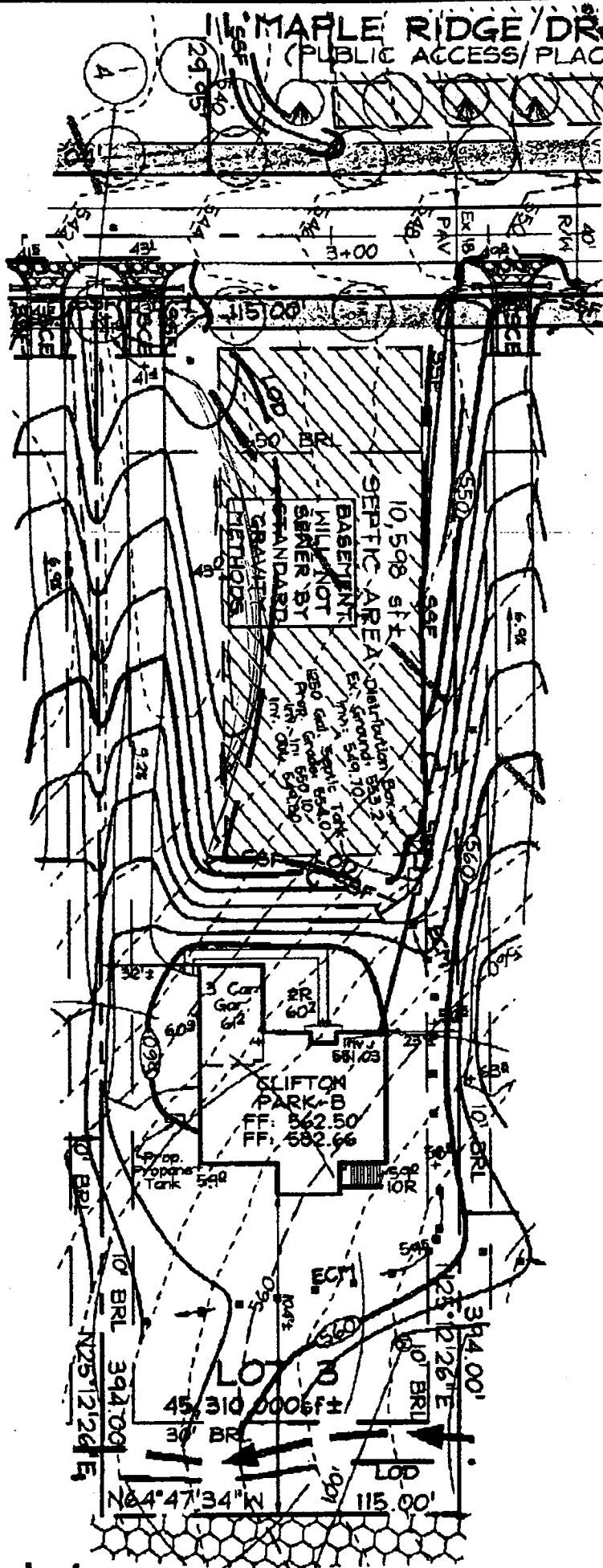
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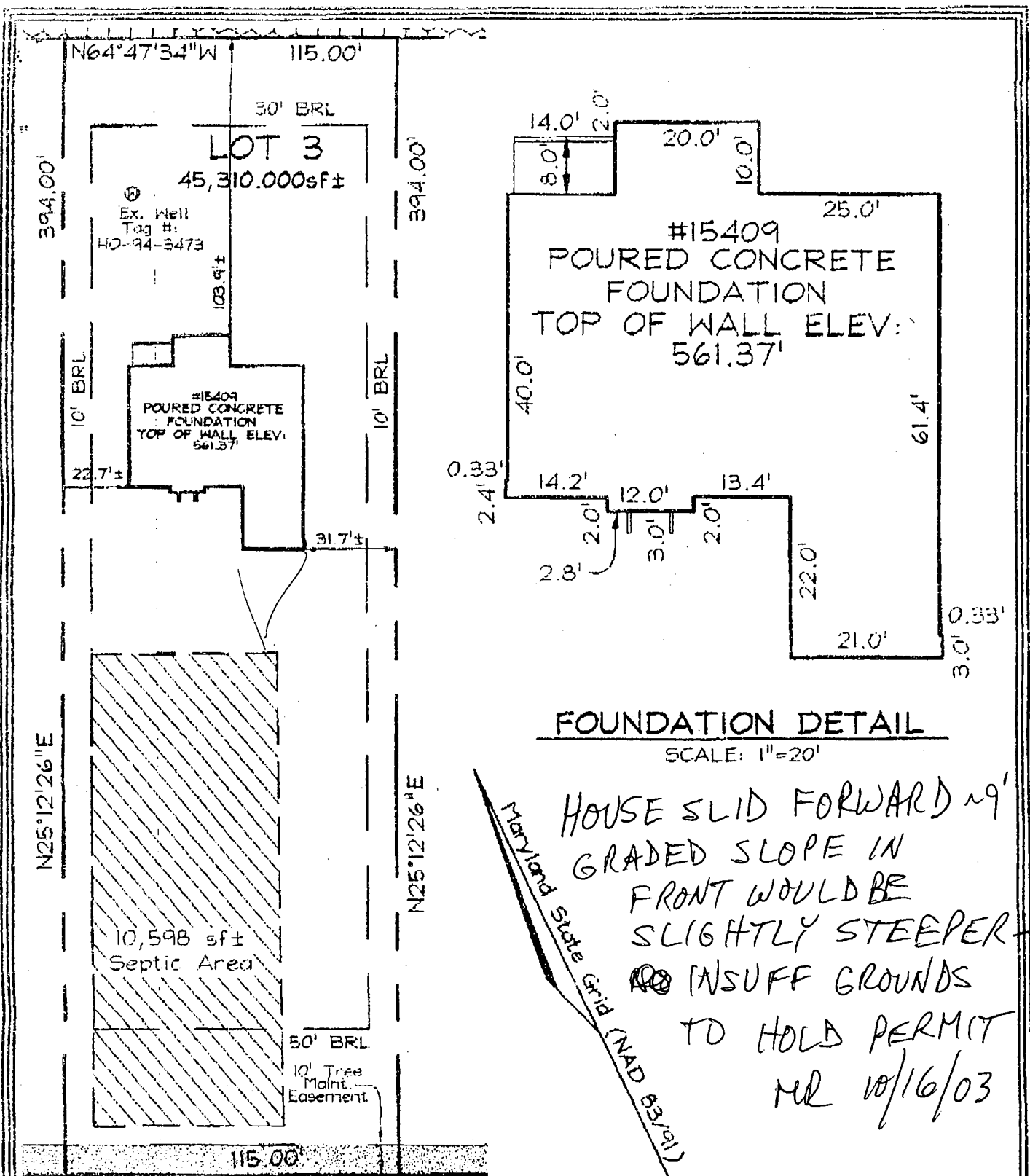
NOTE: If you do not receive all pages or if mechanical problems develop, please call immediately!

7/7/03 GRADING PROPOSAL DENIED ~~BE~~ DUE TO ADD'L
IMPACTS OF CREATED SWALES WHICH ARE
ALREADY SIGNIFICANT AND APPROVED
CONCURRENCE W/B. BAKER & G. MELLON
(MR)

Maryland State Grid (NAD 83/91) (1/16)

MAPLE RIDGE DRIVE (PUBLIC ACCESS/PLACE)





FOUNDATION DETAIL

SCALE: 1"=20'

HOUSE SLID FORWARD ~9'
 GRADED SLOPE IN
 FRONT WOULD BE
 SLIGHTLY STEEPER
 INSUFF GROUNDS
 TO HOLD PERMIT
 MR 10/16/03

LEGEND

- F/P = FIREPLACE
 - B/W = BAY WINDOW
 - D/W = DRIVEWAY
 - CONC = CONCRETE
 - O/H = OVERHANG
 - H/P = HEAT PUMP/AIR COND.
 - G/M = GAS METER
 - E/M = ELECTRIC METER
- DIMENSIONS FROM FOUNDATION WALL TO PROPERTY LINE ARE ±0.1'

PLAN VIEW

SCALE: 1"=50'

FSH Associates

Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

ADDRESS No.: 15409 MAPLE RIDGE DRIVE
 TOP OF WALL ELEV. = 561.37 FIRST FLOOR ELEV. = N/A
 THE LOCATION DRAWING IS OF BENEFIT TO THE CONSUMER ONLY
 INSOFAR AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE
 COMPANY OR ITS AGENT IN CONNECTION WITH CONTEMPLATED
 TRANSFER, FINANCING OR REFINANCING;
 THE LOCATION DRAWING IS NOT TO BE RELIED UPON FOR THE ES-
 TABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS, OR
 OTHER EXISTING OR FUTURE IMPROVEMENTS;
 AND THE LOCATION DRAWING DOES NOT PROVIDE FOR THE
 ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT
 SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER
 OF TITLE OR SECURING FINANCING OR REFINANCING.

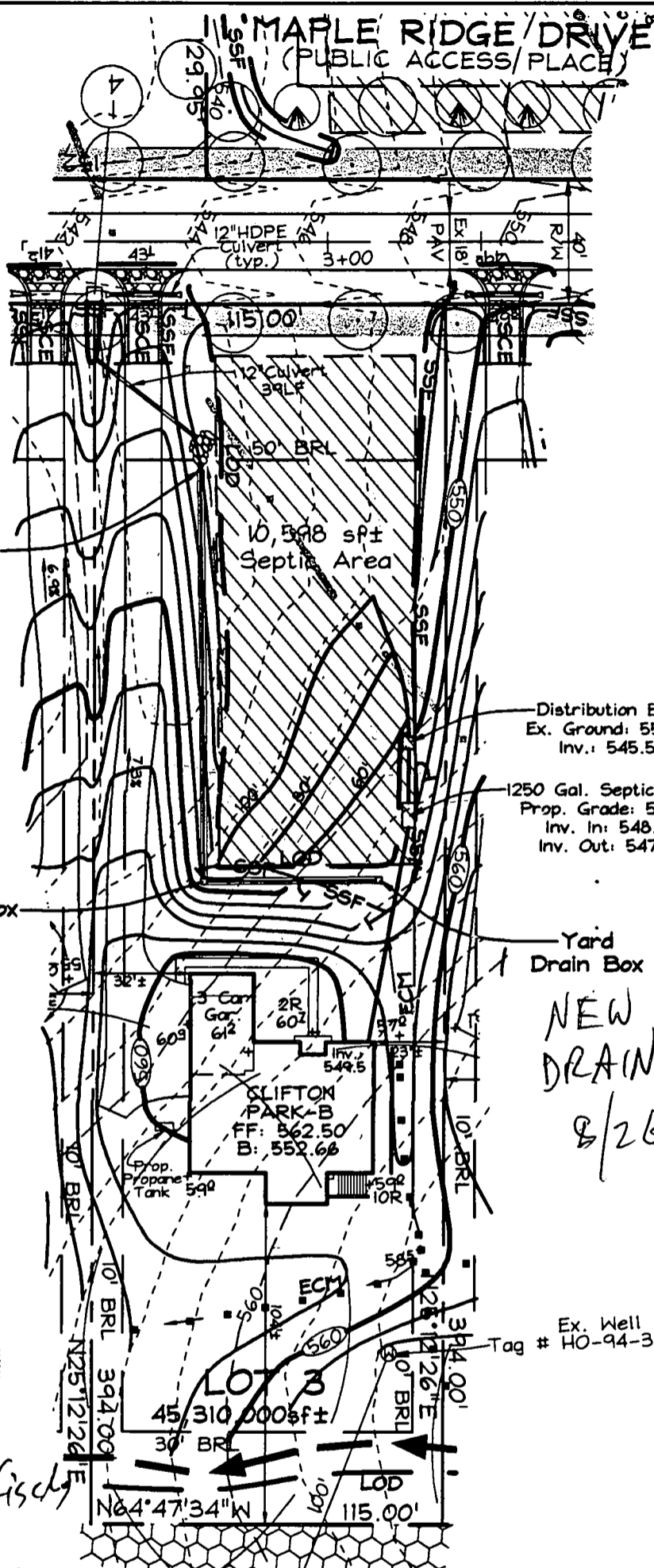
WALL CHECK

FOUNDATION	Date: 09/18/03
FINAL	Date:
DRAWN BY:	Slim
SCALE:	A= Shown
W.O. No.:	3198



LOT 3
 MAPLE RIDGE
 PLAT No. 15667
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

Maryland State Grid (NAD 83/91)



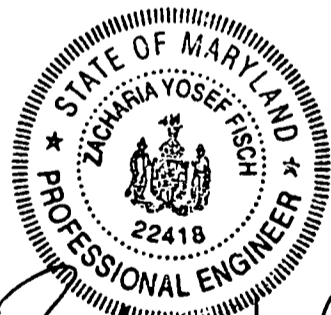
Distribution Box
Ex. Ground: 550.0
Inv.: 545.5

1250 Gal. Septic Tank
Prop. Grade: 552.2
Inv. In: 548.0
Inv. Out: 547.7

Yard Drain Box

NEW CURTAIN
DRAIN OK
8/26/03

Ex. Well
Tag # HO-94-3473



Zacharia Yosef Fish

FSH Associates

Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

OWNER/DEVELOPER

NV HOMES
2200 Defense Highway, Suite 301
Crofton, Maryland 21114
301.858.0522

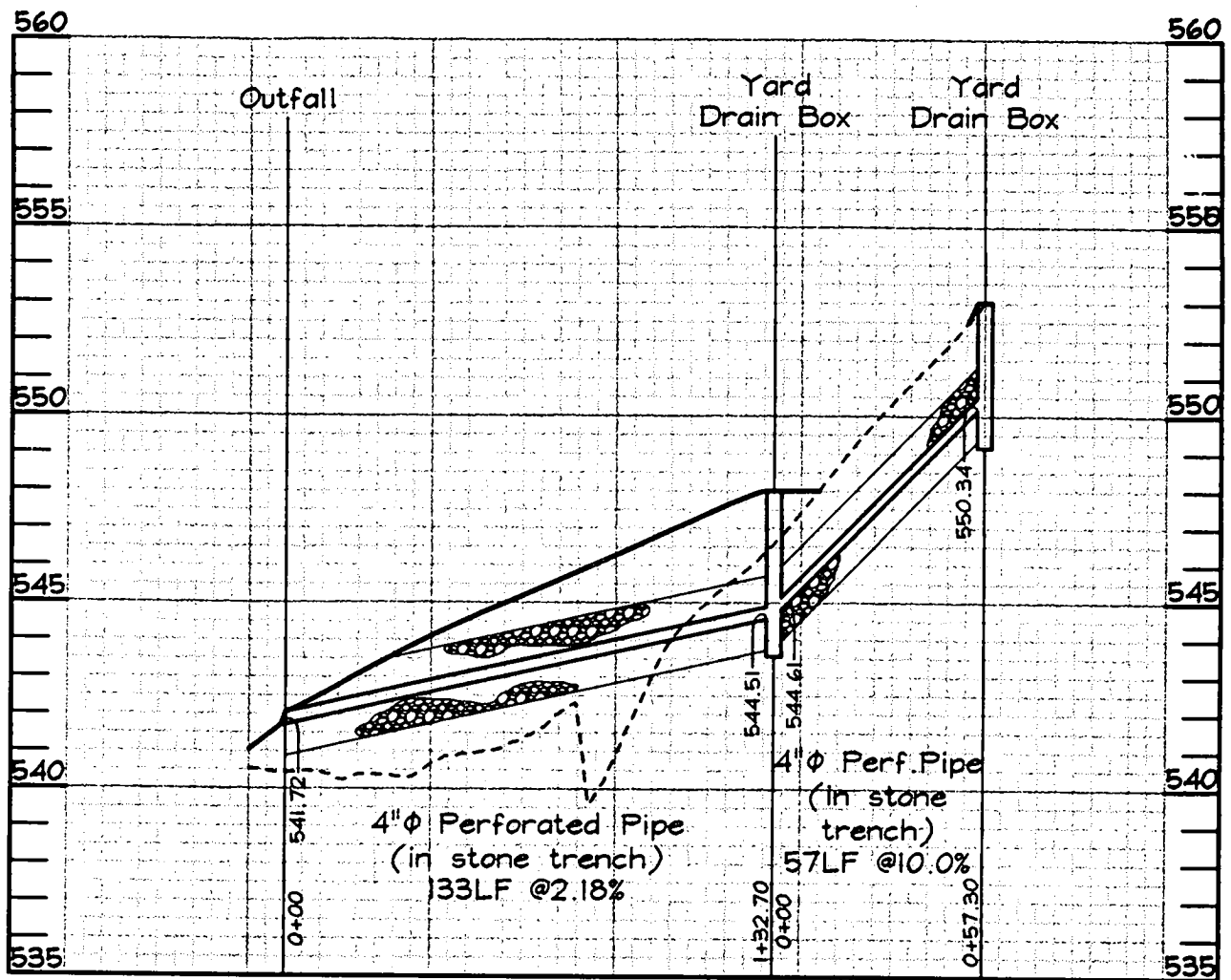
Note: See Approved Grading
Plan GP-03-16 for Entire Site.

DESIGN BY: KO
DRAWN BY: KO
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Aug. 21, 2003
W.O. No.: 3138
SHEET No.: 1 OF 2

LOT RESITE LOT 3 MAPLE RIDGE

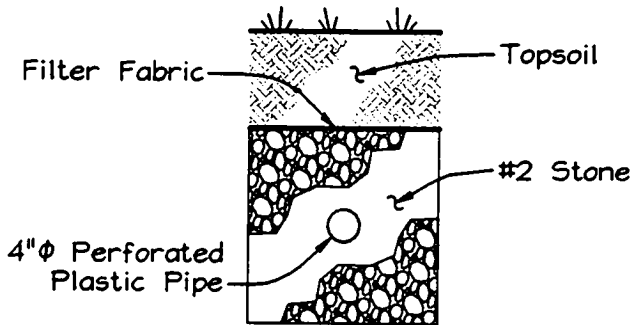
TAX MAP 8 GRID 12 & 20
4TH ELECTION DISTRICT

PARCEL 51 & 378
HOWARD COUNTY, MARYLAND



DRAIN PROFILE

Scale: Hor.: 1"=50'
Vert.: 1"=5'



TYPICAL SECTION

Scale: 1"=2'

NOTES:

1. Place filter fabric atop stone trench.
2. Pipe inverts shall be verified in field.



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E-mail: FSHAssociates@cs.com

OWNER/DEVELOPER

NV HOMES
2200 Defense Highway, Suite 301
Crofton, Maryland 21114
301.858.0522

Note: See Approved Grading
Plan GP-03-16 for Entire Site.

DESIGN BY: KO
DRAWN BY: KO
CHECKED BY: ZYF
SCALE: As Shown
DATE: Aug. 21, 2003
W.O. No.: 3138
SHEET No.: 2 OF 2

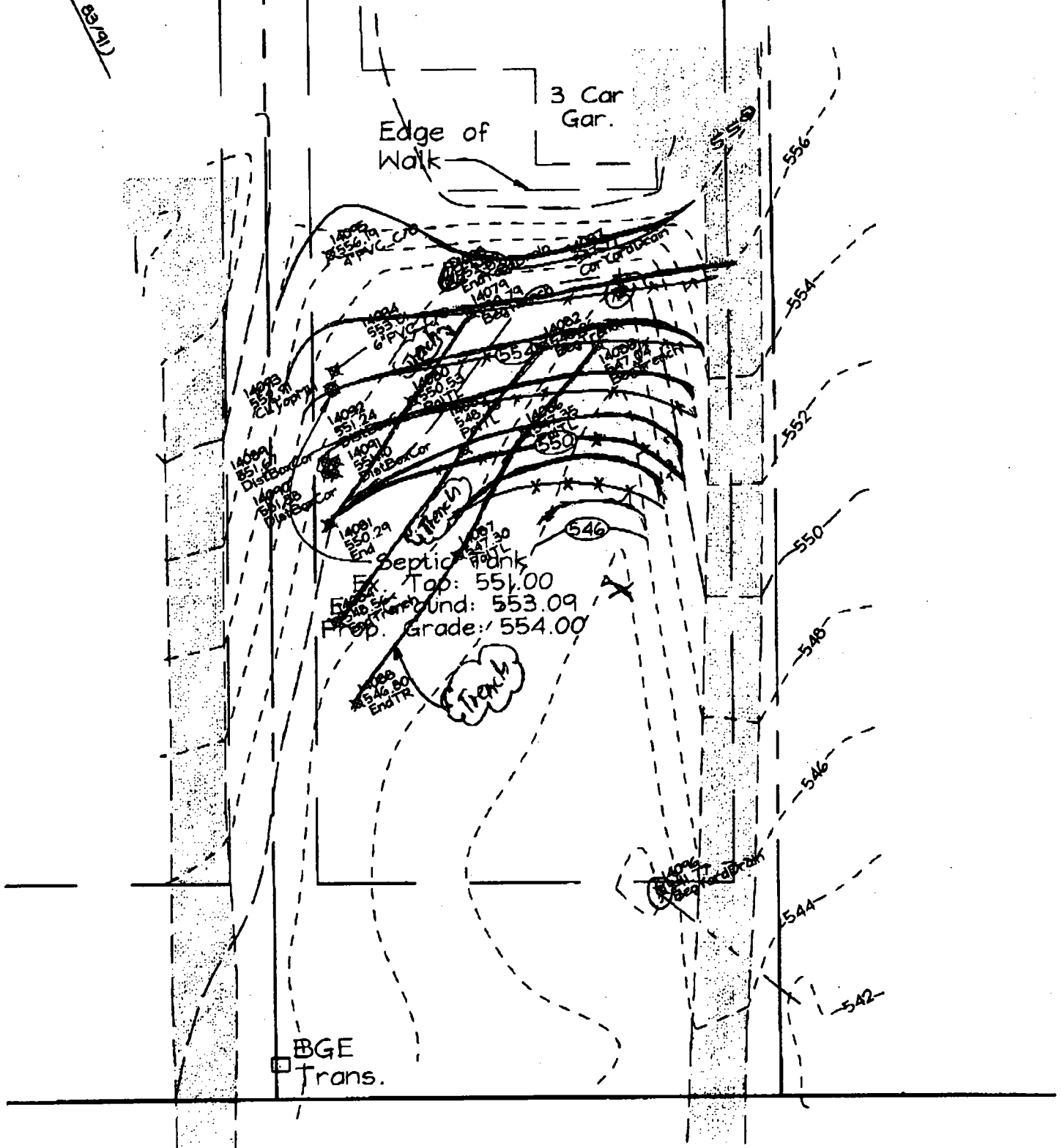
**LOT RESITE
LOT 3
MAPLE RIDGE**

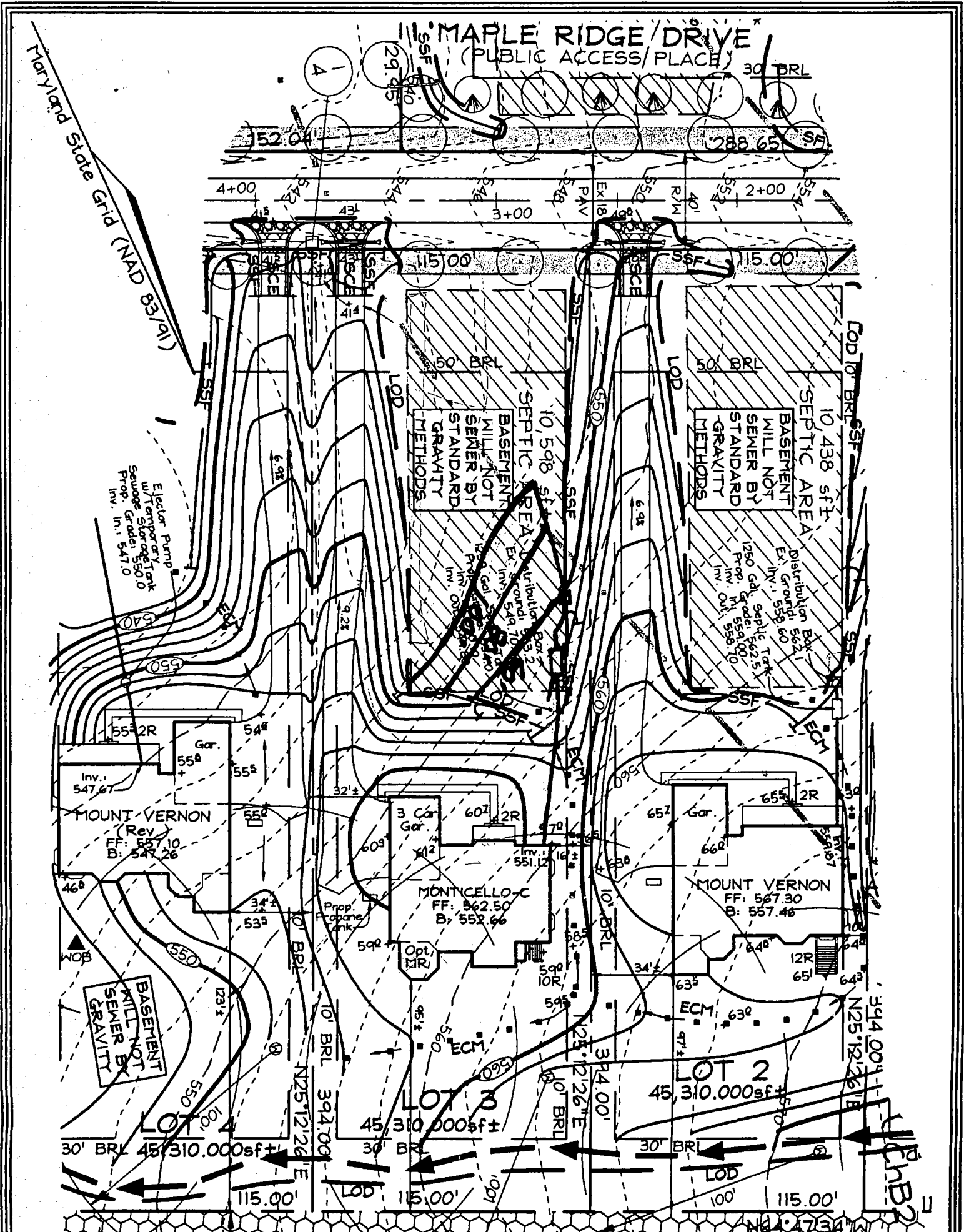
TAX MAP 8 GRID 12 & 20
4TH ELECTION DISTRICT

PARCEL 51 & 378
HOWARD COUNTY, MARYLAND

nd State Grid (MAD 89/91)

CLIFTON PARK-B FF: 562.66





FSH Associates

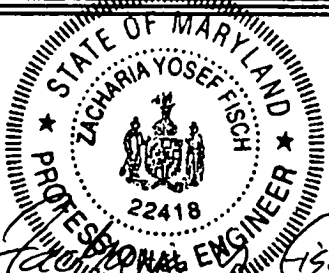
Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: FSHAssociates@cs.com

OWNER/DEVELOPER

NV-HOMES
 2200 Defense Highway, Suite 301
 Crofton, Maryland 21114

Note: See Approved Grading Plan GP-03-16 for Entire Site
 Approved Septic System Plan

DESIGN BY: PS
 DRAWN BY: Slim
 CHECKED BY: ZYF
 SCALE: 1"=50'
 DATE: Mar. 24, 2003
 W.O. No.: 3138
 SHEET No.: 1 OF 1



LOT RESERVE
 LOT 3
MAPLE RIDGE
Brian Baker 5/2/03
 Signature Date
 PARCEL 5L & 300
 HOWARD COUNTY, MARYLAND

TAX MAP 8 GRID 12 & 20
 4TH ELECTION DISTRICT

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: Robert L. Feezer Co. Inc Telephone #: 410-781-4655
Address: 6301 Barnett Ave.
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Robert L. Feezer License# 2122

*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: NV Homes Telephone #: 410-379-5456
Subdivision: Maple Ridge Lot #: 3 Well Tag #: HO-94-3473
Site Address: 15409 Maple Ridge Dr
Woodbine, MD 21797

Submersible Pump Data
Make: STA-RITE
Model #: SP4C02HL-03
Pump Capacity: 5 GPM
Well Yield: 30 GPM
Depth of well encountered at time of pump installation: 300 (feet)

Pitless Adapter
Make: Campbell
Model #: PT 800
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:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque 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: Poly
PSI: 200 (160 psi min)
Depth of supply line: 40 (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.

Signature of company representative responsible for installation: Robert L. Feezer date: 12/4/03

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

Date Insp. Requested: 11/18/03 pm Date Insp. Approved: 11/18/03 ME
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

C1 14222

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER AS10610

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

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED 9/23/02

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94 3473

OWNER LANDSCAPE DEVELOPMENT STREET OR RFD MAPLE RIDGE DRIVE TOWN SUBDIVISION MAPLE RIDGE SECTION LOT 3

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Topsoil, red rocky clay, Brown shale, and Greenish/gray slate.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 32, NO. OF POUNDS 350, GALLONS OF WATER 192, DEPTH OF GROUT SEAL 40.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter top (main) casing 60, Total depth of main casing 78.

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

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

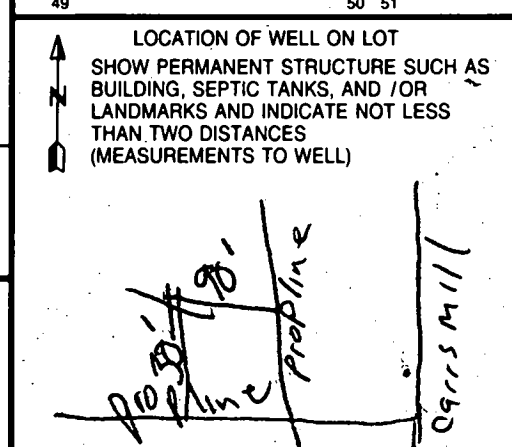
DEPTH (nearest ft.) HO 76 300. A C H S R E N table with slot size 1, 2, 3 and diameter of screen 56 to 60.

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, TELESCOPE CASING LOG INDICATOR OTHER DATA.

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 15, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 51, WHEN PUMPING 54.

PUMP INSTALLED: DRILLER INSTALLED PUMP YES, TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE 31 to 35, PUMP HORSE POWER 37 to 41, PUMP COLUMN LENGTH 43 to 47.



NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED YES (Y) NO (N).

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 'WELL CONSTRUCTION' AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT.

DRILLERS LIC. NO. 1 MW 040, DRILLERS SIGNATURE George F. Esteban.

LIC. NO. 1 JYD 727, DRILLERS SIGNATURE [Signature].

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

B 1 2160

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-94-3473 fill in this form completely

Date Received (APA) 07-16-02

OWNER INFORMATION 9109

8 MM DD YY 13 Landscape Development 15 Last Name Owner First Name 34 16307 Carrs Mill Road 36 Street or RFD 55 Woodbine, Md 21797 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

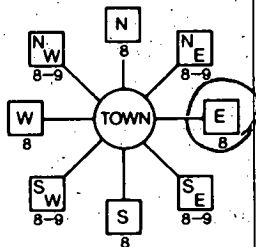
8 COUNTY Howard 21 CC# Maple Ridge 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 3 Lisbon 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 73 1 MI 76 77 78

DRILLER INFORMATION

Driller's Name George F. Easterday M MD 040 76 License No. 81 Firm Name L. Franklin Easterday, Inc. Address 9265 Brown Church Rd., MT. Airy, Md. 21771 Signature George F. Easterday Date 7/12/2002

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Maple Ridge Drive 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 36037 DISTANCE FROM ROAD Ft. ENTER FT OR MI 38 39 TAX MAP 8 BLK 14 PARCEL 51/378

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME AS10610 COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 08/15/02 Mark E. Riffin 8/15/03 EXP. DATE 43 MM DD YY 48 CO SIGNATURE EAST GRID 543 000 NORTH GRID 50 55 WEST GRID 57 63

APPROXIMATE DEPTH OF WELL 24 28 300 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)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

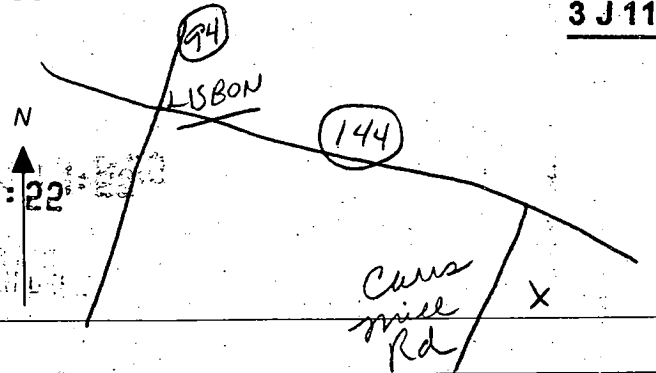
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X Noisy

- SOURCES OF DRILLING WATER 1. wells 2. 3. X

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7805 500 000 N 5403 500 000

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



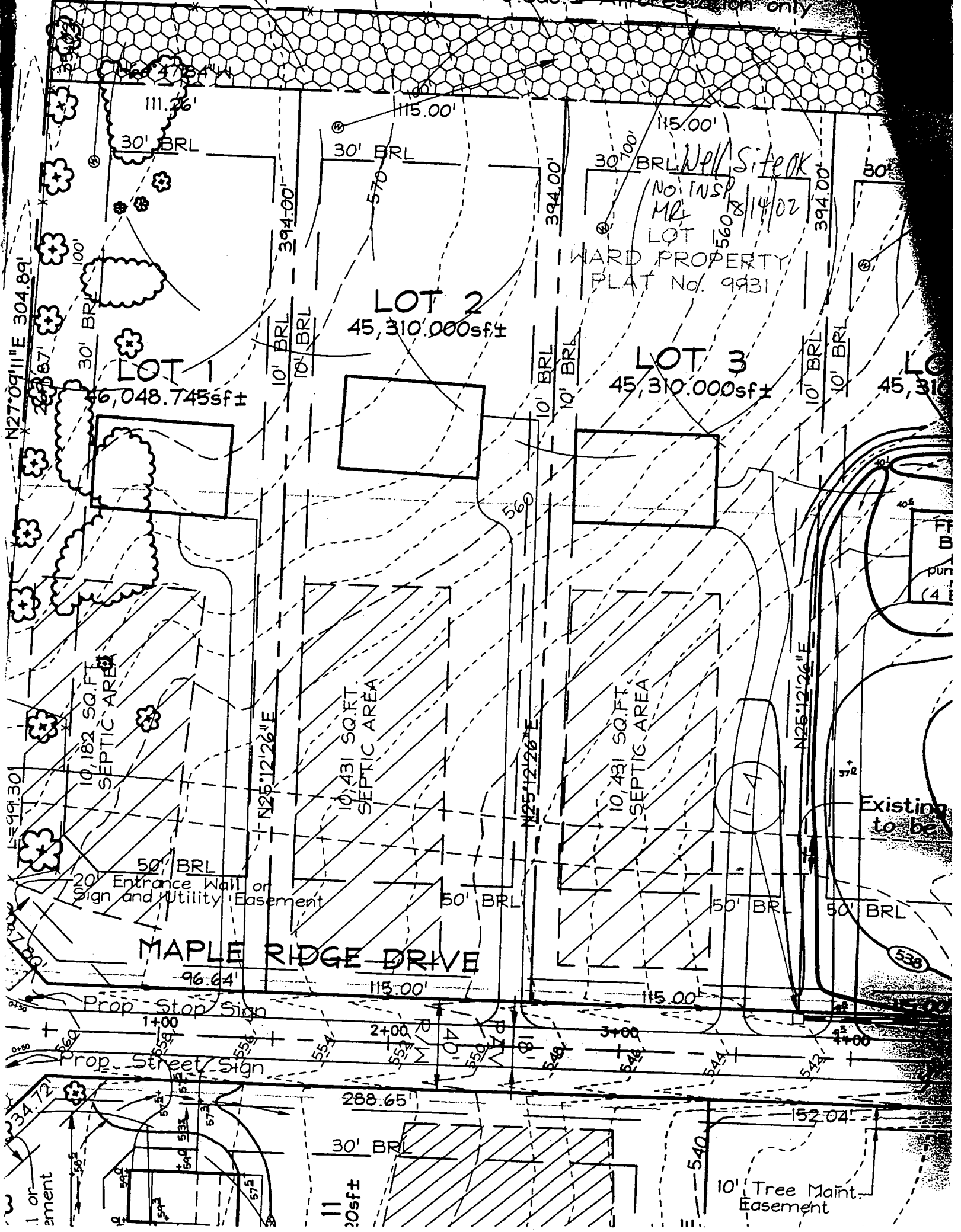
3 J 11

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

APPROX. PERMIT NUMBER PERMIT No. HO-94-3473

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



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 _____

DATE _____

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 James Ward

ADDRESS 16307 Carrs Mill Road PHONE (410) 442-2033
WOODBIKE MD. 21797

AGENT OR PROSPECTIVE BUYER do Zacharia Fisch FISHER COLLINS & CARTER

ADDRESS 10272 Baltimore national pike PHONE (410) 461-2855
ELLICOTT CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION Ward prop. LOT NO. 3

ROAD AND DESCRIPTION Carrs Mill Road

TAX MAP 8 PARCEL # 51 3378

SIZE OF LOT 1 AC. ± 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 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.

Zacharia Y. Fisch (agent)
(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

2507

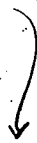
bright red

SiClM

orange brown

SiLm

10% Rx



2402

heavy red

SiClM

dark red

pink

SiSalM

30-40% Rx



2506

lgt tan

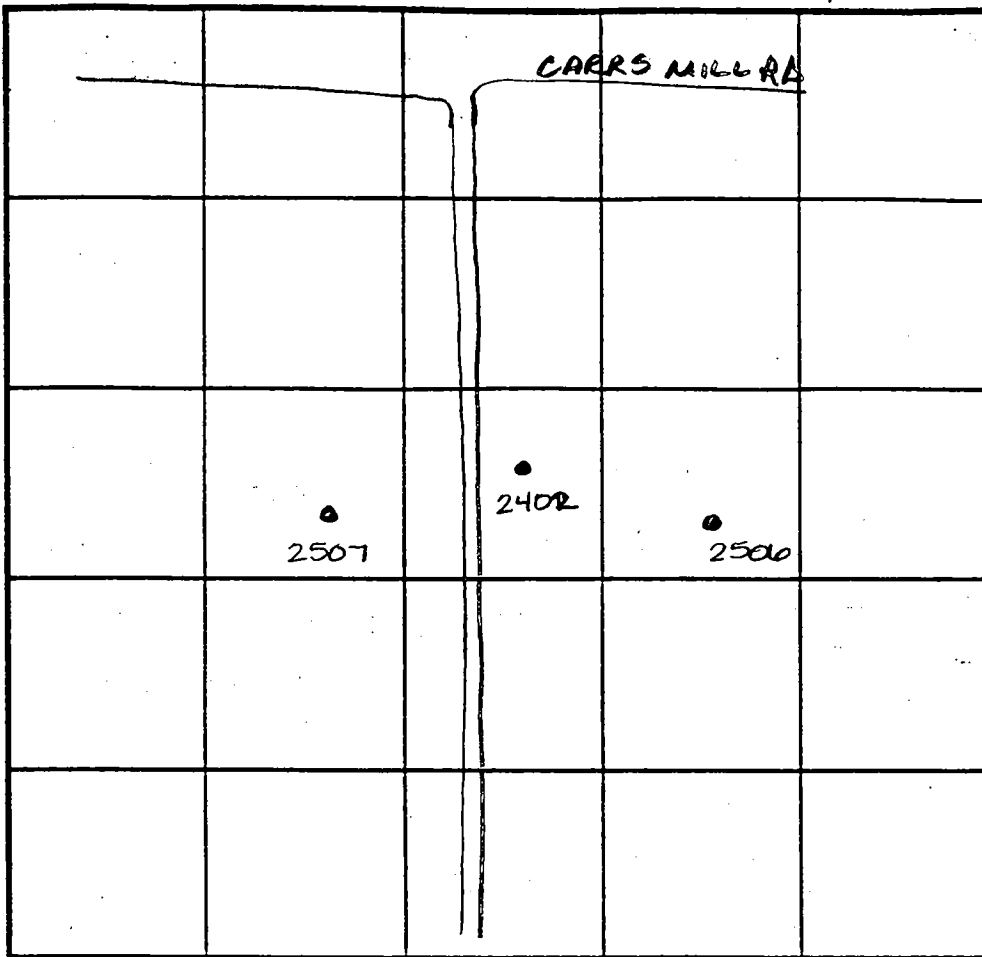
beige

SiClM

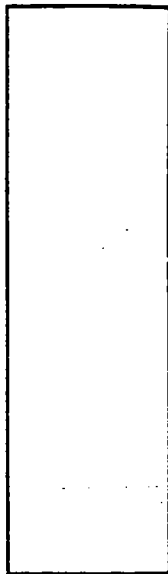
pink

SiSalM

5% Rx



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-16-98	2507	5.5 V12.0	11:48	11:53	11:53	11:58	5min
	2402	Visual	to 11.5 - see profile		—		OK
	2506	Visual	to 12.0 - see profile		—		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMullen ALSO PRESENT Olen Kettnerman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

11.5

5.0

12.0

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 _____

DATE _____

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 James Ward

ADDRESS 16307 Carrs Mill Road PHONE (410) 442-2033
WOODBIKE MD. 21797

AGENT OR PROSPECTIVE BUYER for Zacharia Fisch FISHER COLLINS & CARTER

ADDRESS 10272 Baltimore national pike PHONE (410) 461-2855
ELLICOTT CITY MD. 21042

PROPERTY LOCATION:

SUBDIVISION Ward prop. LOT NO. 43

ROAD AND DESCRIPTION Carrs Mill Road.

TAX MAP 8 PARCEL # 51 378

SIZE OF LOT 1 AC. ± 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

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Zacharia Y. Fisch (agent)
(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
2509

0' dark red SiClm

4.5 brown SiClm
10% Ry

8.5 dk. blk & brown matrix or yellow mottles

2403

tan SiClm

8.0 lgt dull brn Si.Salm
dull color may be H₂O related

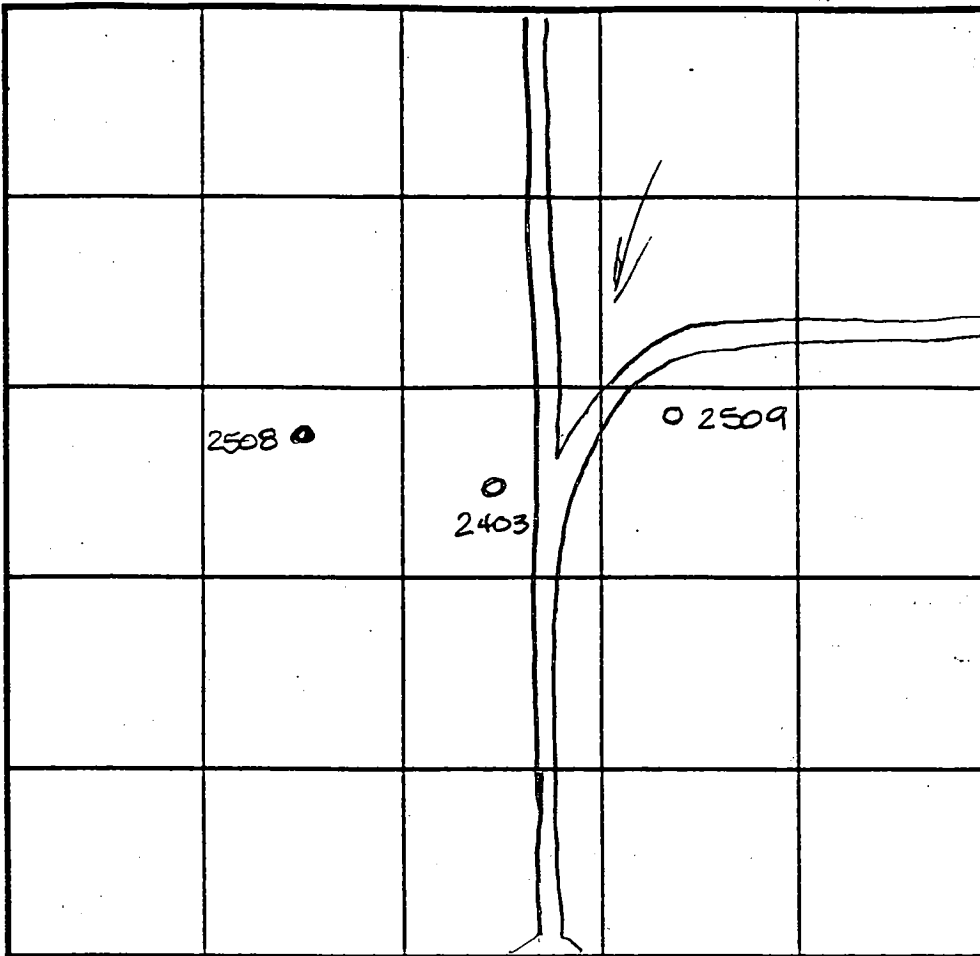
12.0

2508

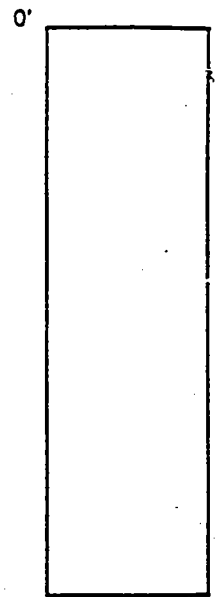
no distinct clay layer
dk red SiClm
pockets of white & yellow SiClm

8.0 possible H₂O red SiClm w/ blk & yellow mottles

12.0



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. CARRS MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-16-98	2509	5.0 / 11.5	3:15	3:18	3:18	3:22	4min
	2403	Visual	to 12.0 - Hold for wet				HOLD
	2508	5.0 / 12.0	1:11	1/2" @	1:58	—	slow
		7.5 / 12.0	1:11	1:36	1/2" @	205	slow

REMARKS HOLD FOR WET SEASON TESTING

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Olen Ketherman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

COUNTY #

SOIL PROFILE
2504

0' light tan
silt
2.5' heavy
dark
red
silt
5.0' bright
pink
silt
15%
Rx

2505

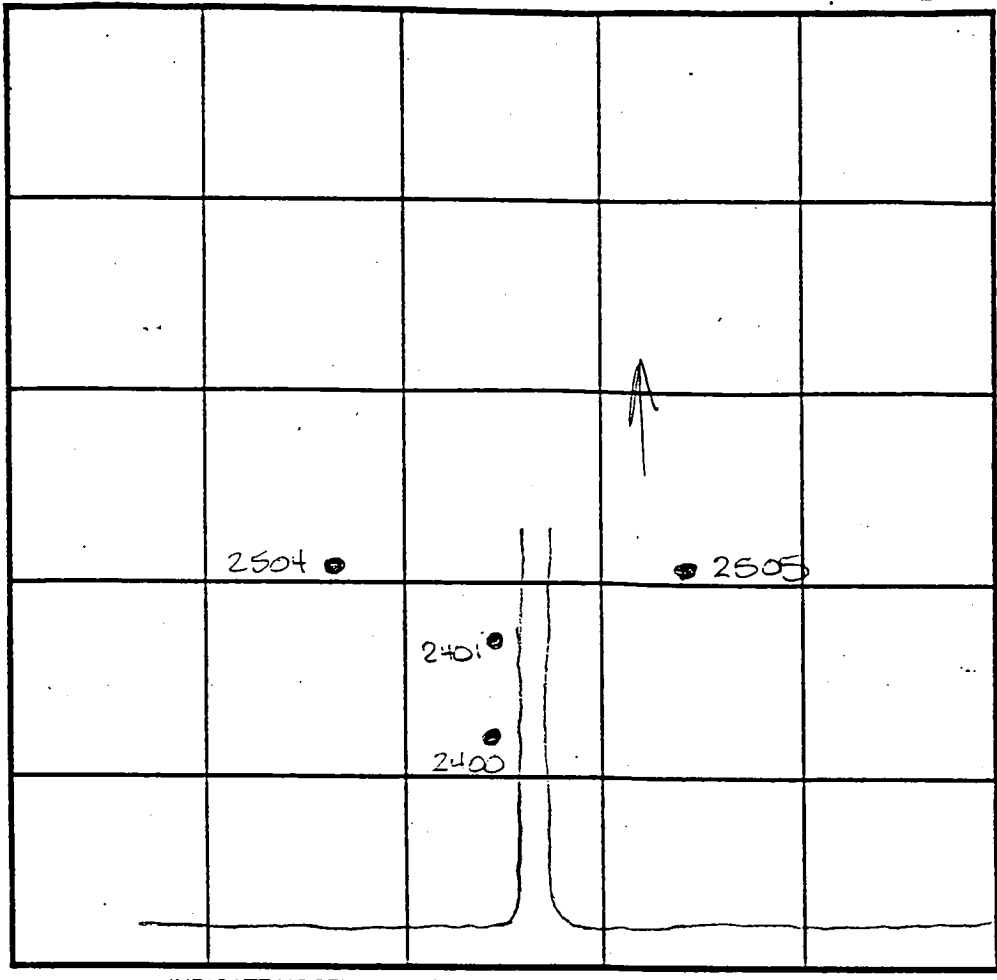
dark
red
silt
pink to
orange
silt
10%
Rx
pink
silt
30%
Rx

2401

heavy
red
silt
orange
red
silt
10%
Rx
40%
rock
or red
silt

SOIL PROFILE
2400

0' yellow
tan
silt
3.0' pink
to
orange
silt
dry
12.0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-16-98	2504	5.0 12.0	11:42	11:52	11:52	12:06	14min
		8.0 12.0	11:41	11:52	11:52	12:00	3min
	2505	5.5 12.0	11:35	11:38	11:38	11:41	3min
	2401	Visual	to 12.0 - see profile -				OK
	2400	Visual	to 12.0 - see profile -				OK

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

APPROVED PERC CERT 6/20/01

P. 251 ZONED RC-DEO

CARRS MILL ROAD
(LOCAL ROAD) (SCENIC ROAD)

P. 201

P. 217

PROPOSED STREET LIGHT

MAPLE

RIDGE

EXISTING FARM ROAD TO BE RELOCATED DRIVE

P. 205

N18°36'57"E
9.49'

PUBLIC S.W.M. AND UTILITY EASEMENT

WATER QUALITY SHALLOW MARSH

(303)

(318)

(316)

(337)

LOT 2
45,310 SQ.FT.±

LOT 1
WARD PROPERTY
PLAT No. 9931

LOT 3
45,310 SQ.FT.±

LOT 4
45,310 SQ.FT.±

LOT 5
45,310 SQ.FT.±

LOT 6
45,420 SQ.FT.±

LOT
40,000

LOT 1
45,848 SQ.FT.±

0.182 SQ.FT. SEPTIC AREA

0.431 SQ.FT. SEPTIC AREA

0.431 SQ.FT. SEPTIC AREA

LOT 2
WARD PROPERTY
PLAT No. 9931
2403

20' DRAINAGE AND UTILITY EASEMENT

LOT 11
40,000 SQ.FT.±

0.654 SQ.FT. SEPTIC AREA

LOT 3
WARD PROPERTY
PLAT No. 9931

LOT 12
40,515 SQ.FT.±

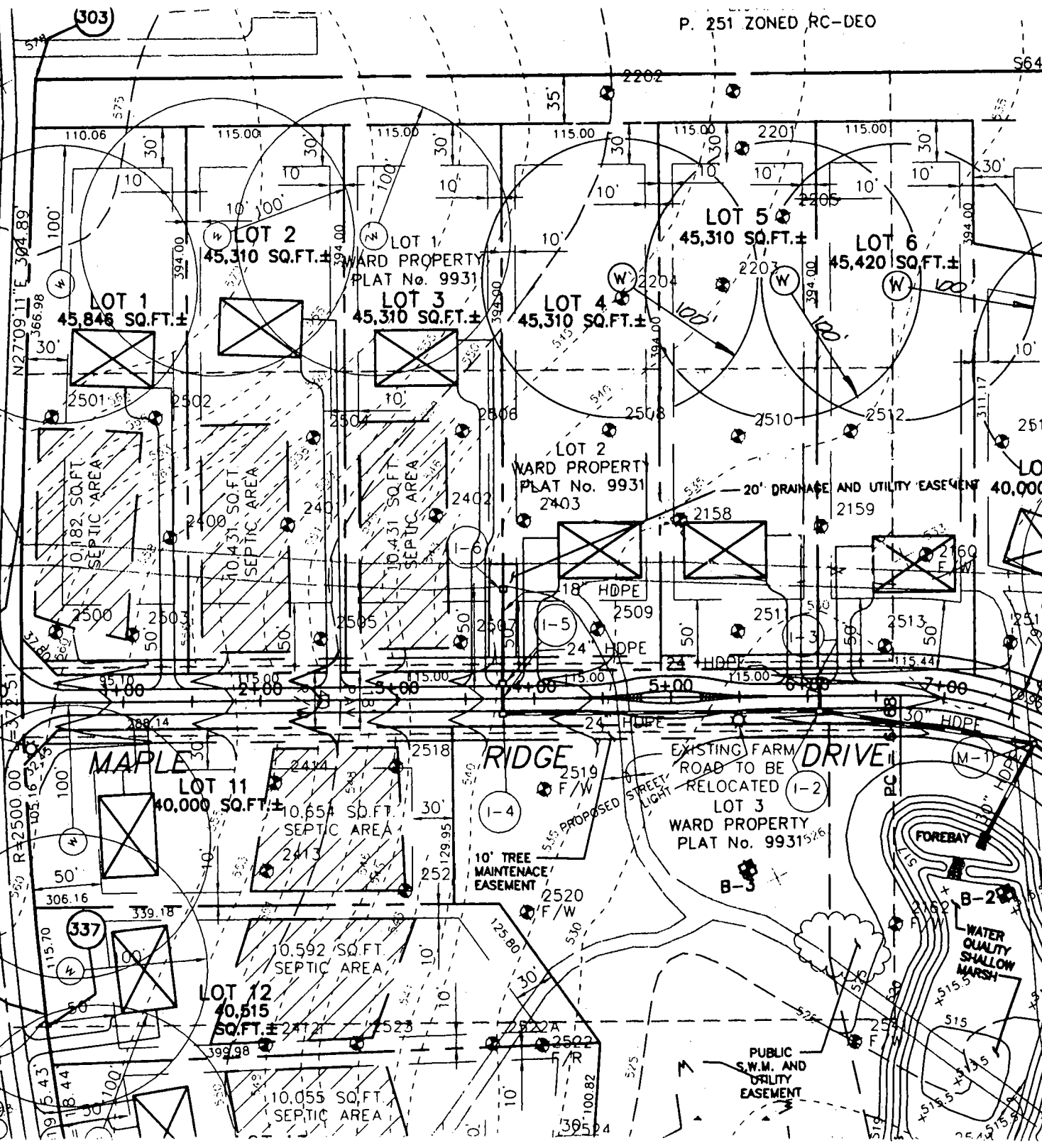
0.592 SQ.FT. SEPTIC AREA

10,055 SQ.FT. SEPTIC AREA

10' TREE MAINTENANCE EASEMENT

FOREBAY

B-2

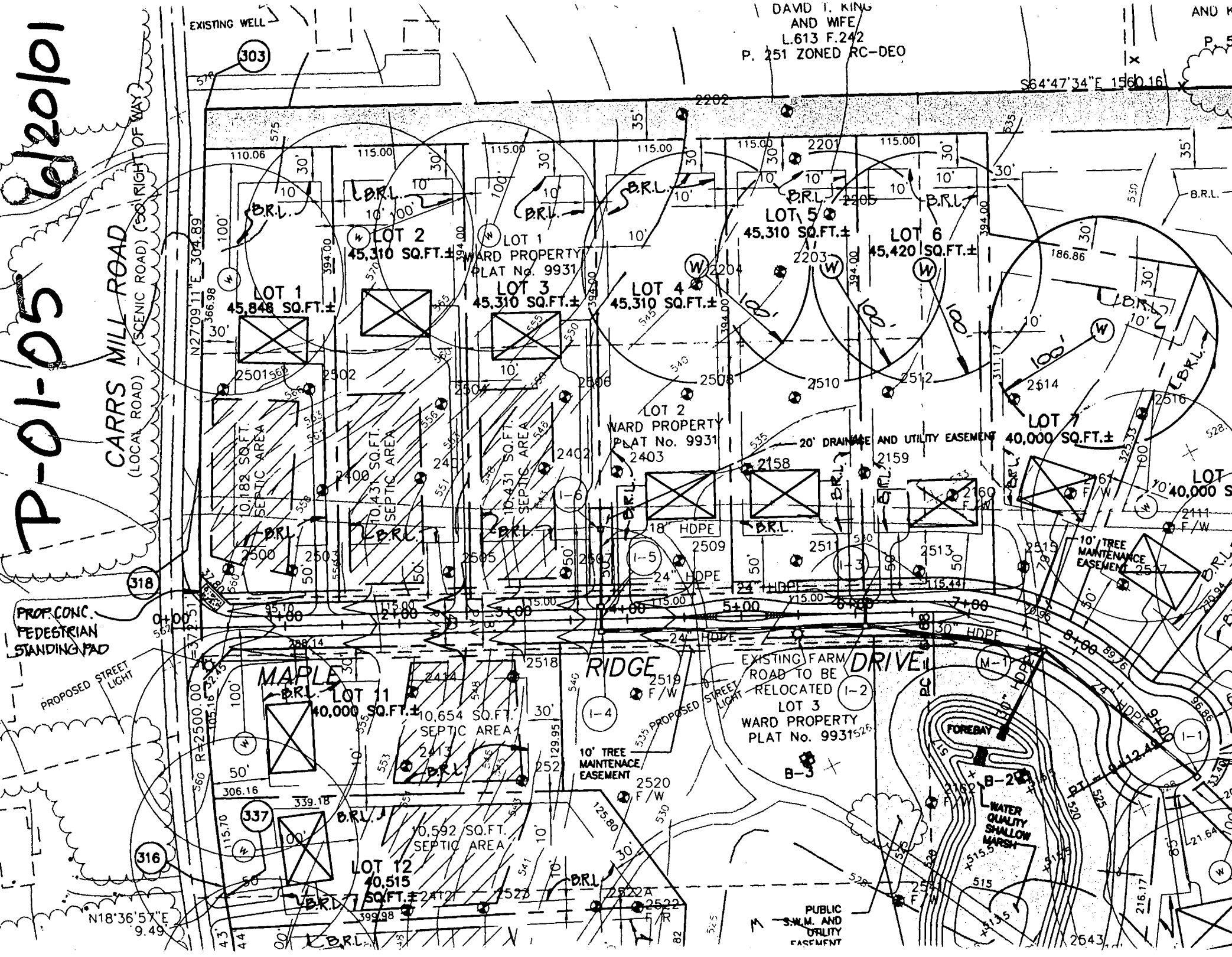


P-01-05 6/20/01

CARRS MILL ROAD
(LOCAL ROAD) - (SCENIC ROAD) (30' RIGHT OF WAY)

DAVID I. KING
AND WIFE
L.613 F.242
P. 251 ZONED RC-DEO

S64°47'34"E 1560.16'



PROP. CONC.
PEDESTRIAN
STANDING PAD

PROPOSED STREET LIGHT

RIDGE DRIVE

EXISTING FARM ROAD TO BE RELOCATED

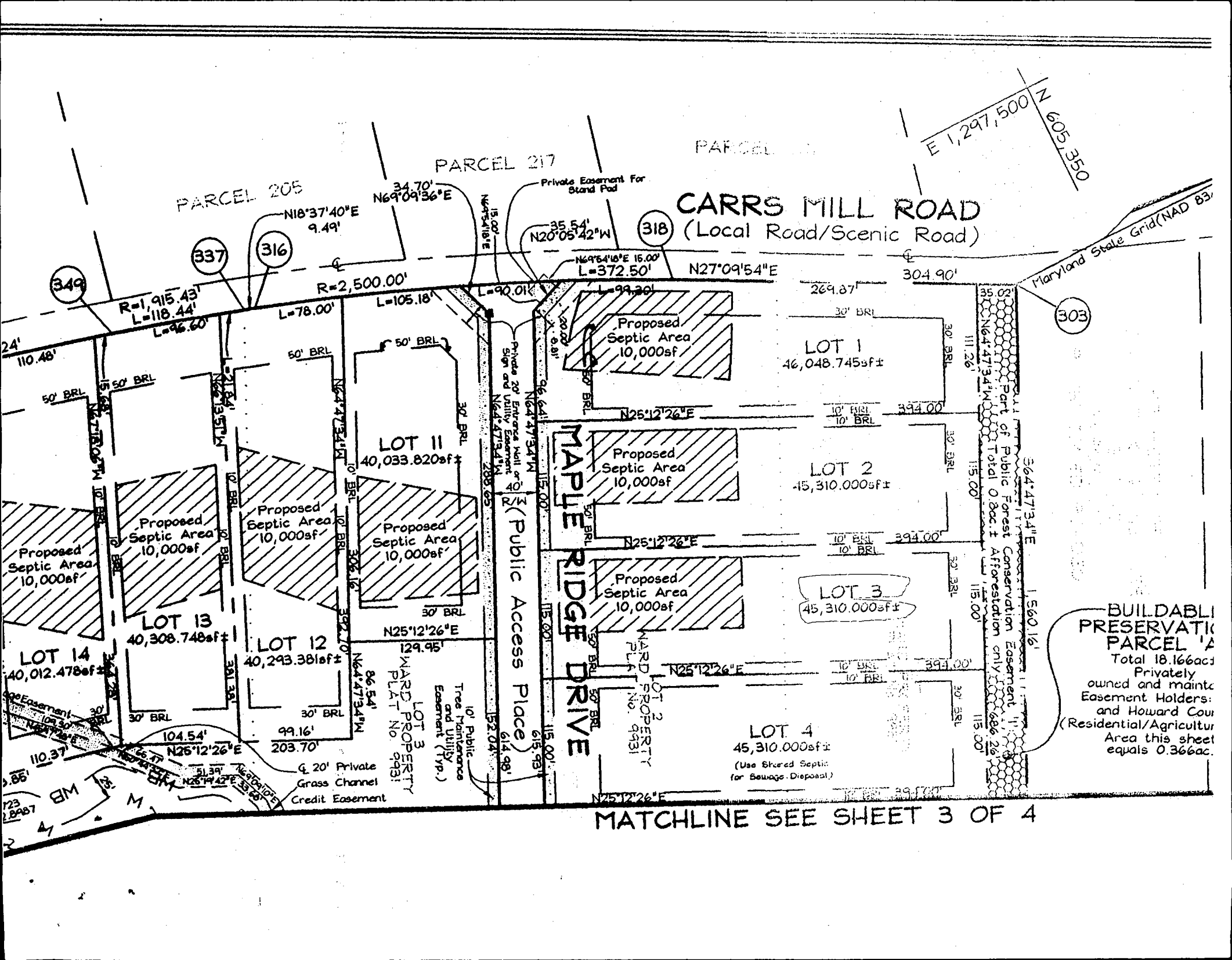
FOREBAY

WATER QUALITY SHALLOW MARSH

PUBLIC S.W.M. AND UTILITY EASEMENT

N18°36'5" E 9.49'

316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400



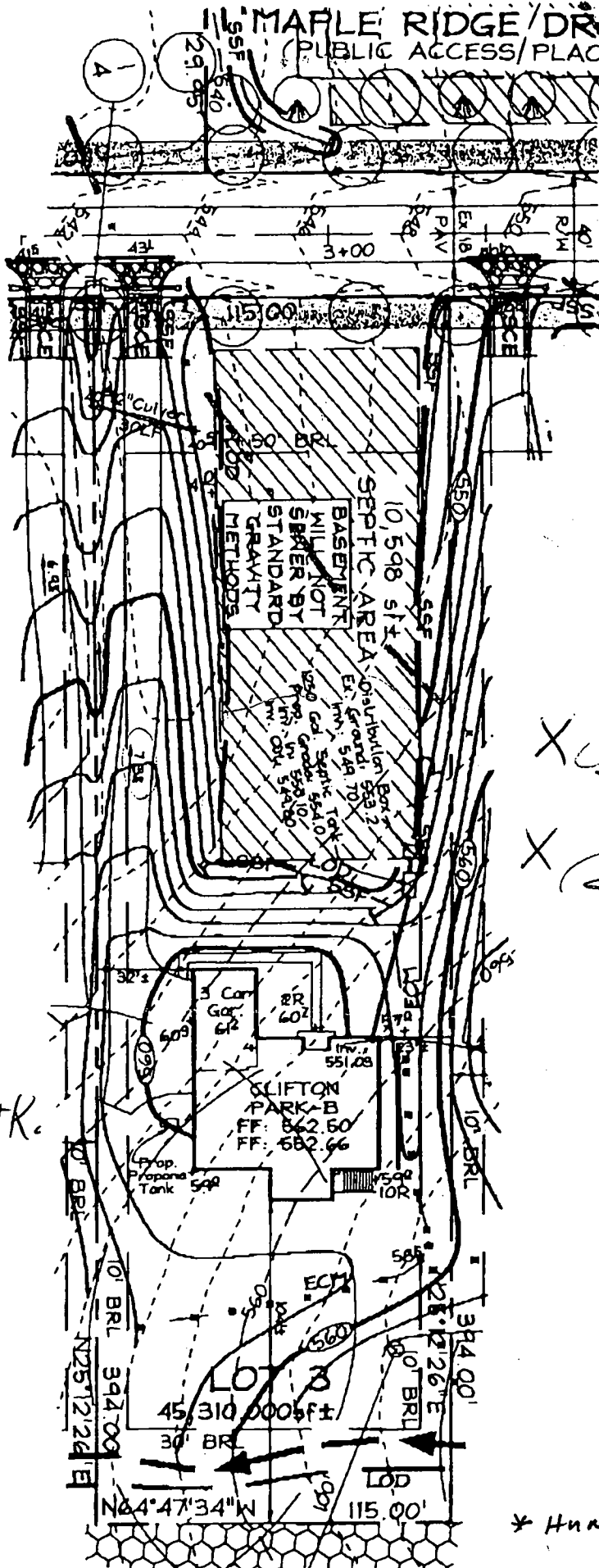
BUILDABLE PRESERVATION PARCEL 1A
 Total 18.166acs
 Privately owned and maintained
 Easement Holders:
 and Howard Cour
 (Residential/Agricultur
 Area this sheet equals 0.366ac.

MATCHLINE SEE SHEET 3 OF 4

Maple Ridge State Grid (NAD 83/1)

MAPLE RIDGE DRIVE
(PUBLIC ACCESS/PLACE)

RECEIVED JUL 28 2003



7/29/03

X [Signature]
X [Signature]

Permit #
B001-11090

PROPANE TK.
OK
MR
11/3/03

* Hnng Sewer

300143344

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043 PERMITS (410) 3-2455 INSPECTIONS (410) 313-1810 AUTOMATED INFORMATION (410) 313-3800	HOWARD COUNTY PERMIT APPLICATION	PERMIT NUMBER 1145 75
---	---	---

Building Address 15400 Maple Ridge RD
Woodbine MD 21797

Suite/Apt. #: _____ SDP/WP/Petition #: _____

Census Tract 604001 Subdivision Maple Ridge

Section _____ Area _____ Lot 3

Tax Map _____ Parcel 51 Grid 114

Zoning R-20 Map Coordinates 3012 Lot size _____

Property Owner's Name Neil Jurek

Address 1145 WOODBINE DR.

City ELICOTT CITY State MD Zip Code 21075

Home Phone _____ Work Phone 410-775-5156

Applicant's Name & Mailing Address, (if other than stated hereon): _____

Phone _____ Fax _____

Existing Use _____

Proposed Use INSTALL NORMAL USE PERMITS TRUCK

Estimated Construction Cost \$ 3500.00

Description of Work INSTALL NORMAL USE PERMITS TRUCK
TRUCK ACCORDING TO NFPA 58 CODES

Contractor Company V. HAY COMPANY - PERMITS DIVISION

Contact Person TERRY JOHNSON

Address 7563 WASHINGTON BLVD

City ELICOTT CITY State MD Zip Code 21075

License No. CE 1114

Phone 410-775-1114 Fax 410-775-1116

Occupant or Tenant _____

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Engineer or Architect Company _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
No. of stories: _____	Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private
Gross area, sq. ft. per floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Use group: _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	<u>10/2/03</u> Sprinkler system: N/A <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> <u>Depth</u> _____ <u>Width</u> _____	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private
1st floor: _____	Sewage Disposal: <input type="checkbox"/> Public <input checked="" type="checkbox"/> Private
2nd floor: _____	Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/>
Basement: Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms _____	Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input checked="" type="checkbox"/>
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____ <input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Terry Johnson
 Applicant's Signature

Permits Manager
 Title/Company

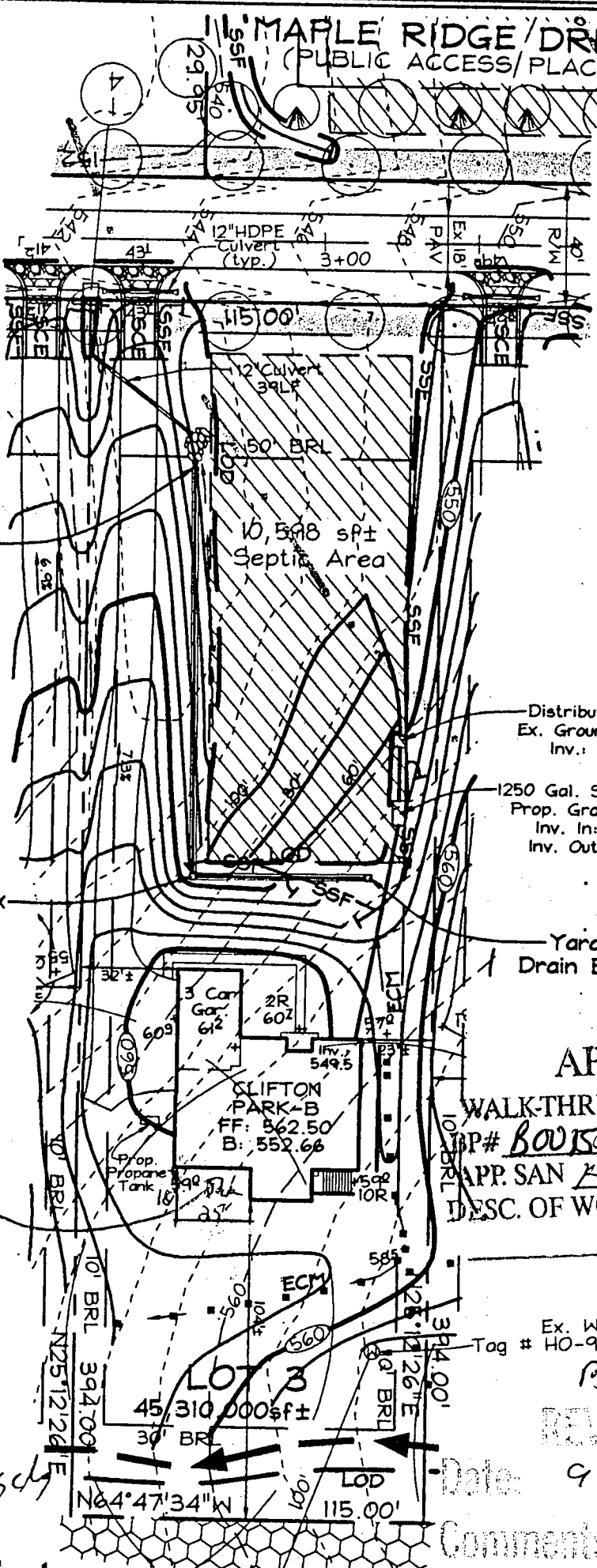
Terry Johnson
 Print Name

11-24-03
 Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY **

Maryland State Grid (NAD 83/91)

MAPLE RIDGE DRIVE
(PUBLIC ACCESS/PLACE)



Outfall

Yard Drain Box

Distribution Box
Ex. Ground: 550.0
Inv.: 545.5

1250 Gal. Septic Tank
Prop. Grade: 552.2
Inv. In: 548.0
Inv. Out: 547.7

Yard Drain Box

CLIFTON PARK-B
FF: 562.50
B: 552.66

APPROVED

WALK-THRU BUILDING PERMIT
APP# B00155994 A# 510610-B
APP. SAN KJB DATE: 9/13/03
DESC. OF WORK: 25 x 18 Deck

Ex. Well
Tag # HO-94-3473

B00141090

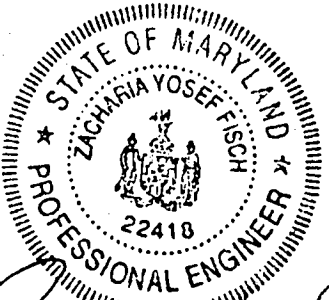
REVISED

Date: 9.24.03

Comments: new house model

OWNER/DEVELOPER

NV HOMES
2200 Defense Highway, Suite 301
Crofton, Maryland 21114
301.858.0522



Zacharia Yosef Fisch

FSH Associates

Engineers Planners Surveyors
8318 Forrest Street, Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

Note: See Approved Grading Plan GP-03-16 for Entire Site.

DESIGN BY: KO
DRAWN BY: KO
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Aug. 21, 2003
W.O. No.: 3138
SHEET No.: 1 OF 2

LOT RESITE
LOT 3
MAPLE RIDGE

TAX MAP 8 GRID 12 & 20
4TH ELECTION DISTRICT

PARCEL 51 & 378
HOWARD COUNTY, MARYLAND