

LAYOUT 4/4/03 12:30 INSP 4 _____
 INSP 2 4/8/03 12:30pm INSP 5 _____
 INSP 3 4/10/03 2:30 INSP 6 _____

ISSUE DATE: 3/26/2003
 APPROVAL DATE: 4-10-03

04-367227

**PERMIT
INDEXED**

P 518590
 A 510610-M

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

South Carroll Backhoe IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION: Maple Ridge LOT NUMBER: 13

ADDRESS: 16198 Carrs Mill Road PROPERTY OWNER: NV Homes

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: 210

LINEAR FEET OF TRENCH REQUIRED: 280 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place septic tank out of well radius, as seen on plan. Place distribution box as shown on plan, however, ensure a depth of 3.5-4.0 feet. Ensure the distribution box is no deeper than 4 feet. Run 4- 70 foot trenches on contour.
NOTES:	Basement gravity service is not proposed.

PLANS APPROVED: KN OK MR 3/26/03 DATE: 2/27/03

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
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

BUILDING PERMIT SIGNED AND RETURNED LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

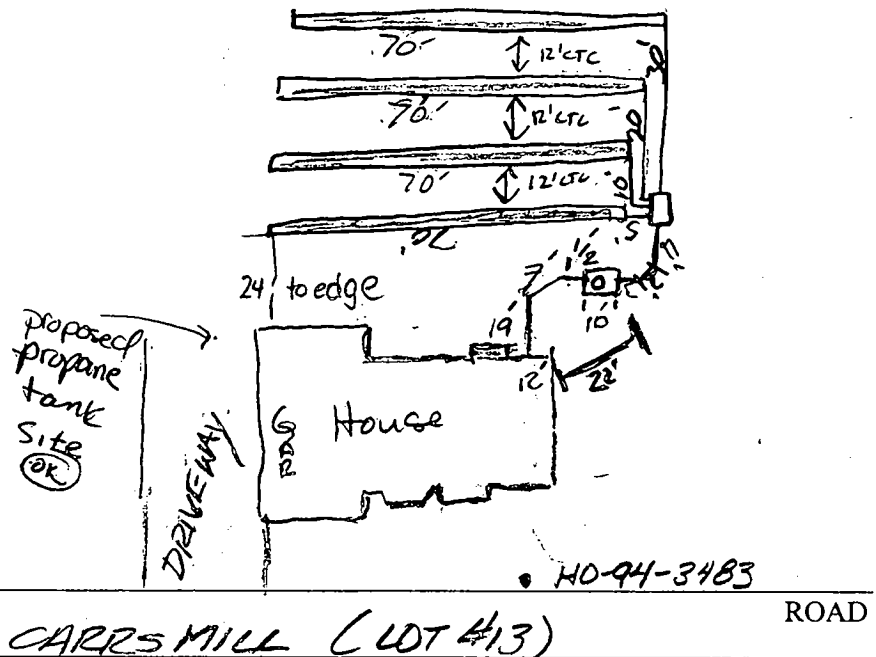
4/9/03 800 141 031 PROPANE TANK

AS10610-M

NOT TO SCALE

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4	6
NUMBER OF TRENCHES		4
TOTAL LENGTH		280'
ABSORPTION AREA		840 Ft ²
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		NA

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	FOP
TANK LID DEPTH	30'
BAFFLES	OK
BAFFLE FILTER	N/A
MANHOLE LOC	MIDDLE
6" PORT LOC	NONE
WATERTIGHT TEST	N/A
SEPTIC TANK 2 LEVEL	N/A
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	



PRE-CONSTRUCTION 4/8/03 (4) 70' Trenches, 10' etc TO BE PLACED ON CONTOUR
 22' from house corner to ^{far} edge of septic tank. OK TO COVER S. TANK
 INSTALLATION OK to start trenches (FA/KN) 4/10/03 OK to cover all
 4 trenches. Propane tank NOT IN yet. Loc. ok for proposed
 prop. tank site (KN)

BUILDING PERMIT SIGNED
 AND RETURNED

FINAL INSPECTOR Kacie Norman DATE OF APPROVAL 4-10-03

CARRS MILL RD
(LOCAL SCENIC RD)

R = 1915.43
L = 96.60'

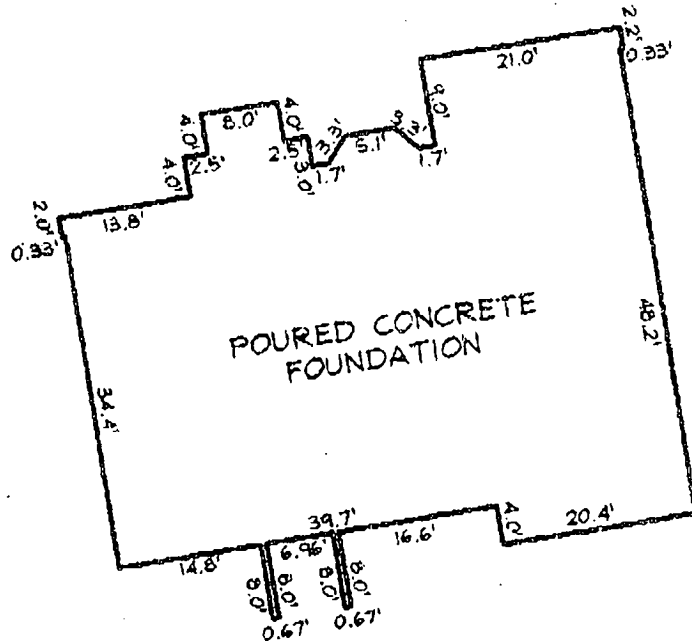
15.68'

10.15'

50' BRL

11.7'

33.9'



POURED CONCRETE FOUNDATION

FOUNDATION DETAIL

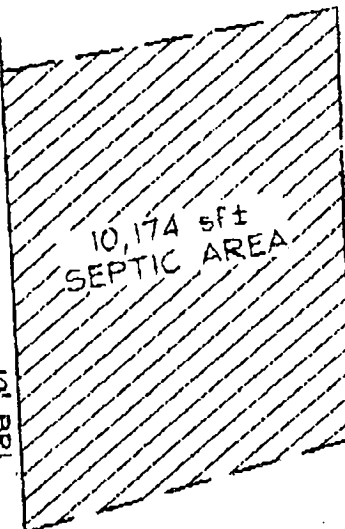
SCALE: 1"=20'

WALL CHECK OK
MR 3/26/03

N67°18'06"W

10' BRL

364.28'



10,174 sq ft
SEPTIC AREA

N66°13'51"W

10' BRL

381.38'

LOT 13
40,308.748 sq ft ±

20' Private
Grass Channel
Credit Easement

30' BRL

104.54'
N25°12'26"E

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

ADDRESS No.: 16198 CARRS MILL ROAD

TOP OF WALL ELEV. = 557.62 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 ESTABLISHMENT 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.

PLAN VIEW

SCALE: 1"=50'

FSH Associates

Engineers Planners Surveyors

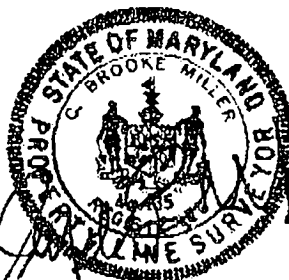
8318 Forrest Street Ellicott City, MD 21043

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

E-mail: FSHAssociates@cs.com

LOCATION DRAWING

FOUNDATION	Date: 03/17/03
FINAL	Date:
DRAWN BY:	Slim
SCALE:	As Shown
W.O. No.	3138

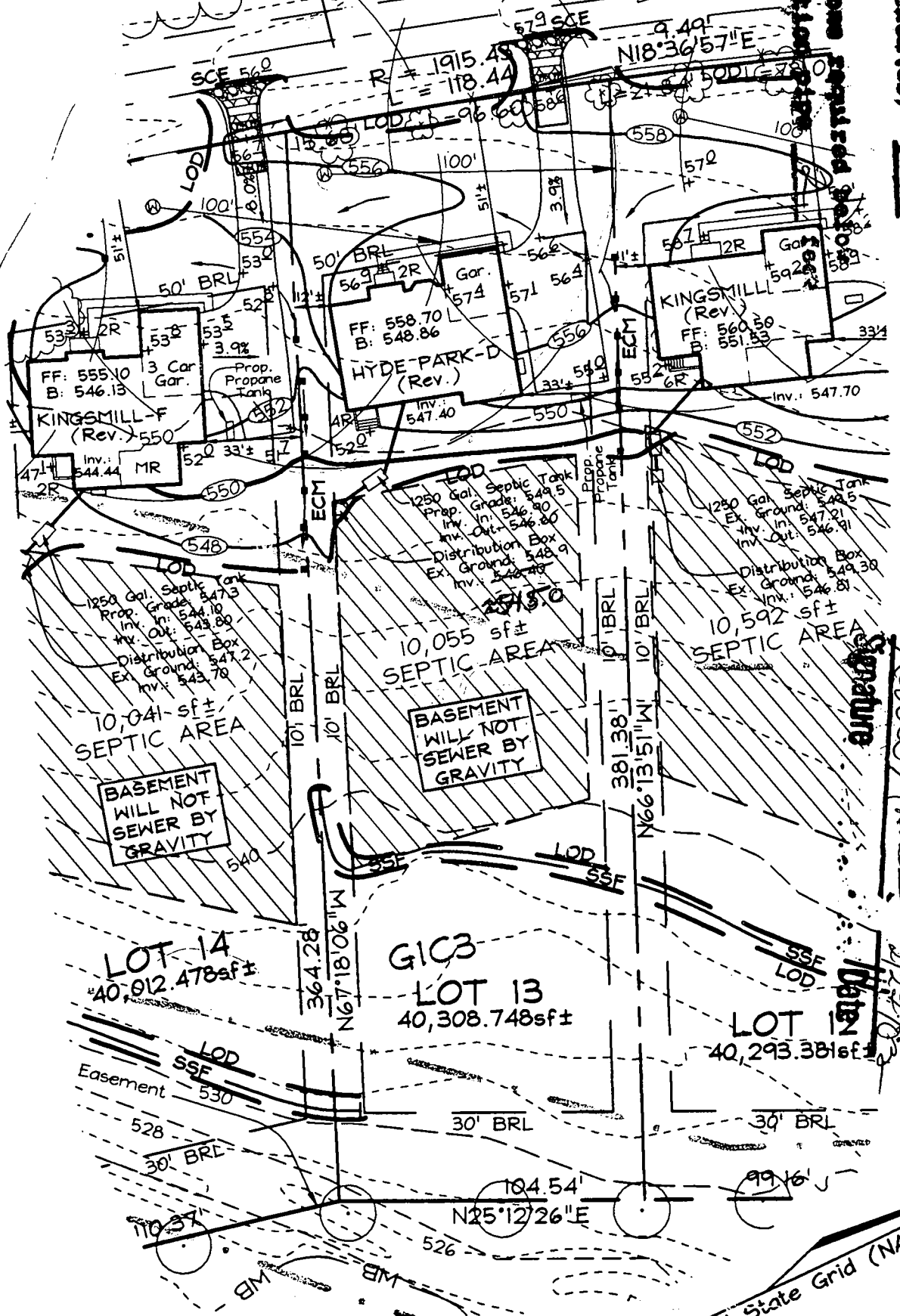


WALL CHECK

LOT 13
MAPLE RIDGE
PLAT No. 15667

4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CARRS MILL ROAD
LOCAL SCENIC ROAD



Depth of trench (as required) 250 feet

Depth of trench (as) 3 feet

Depth of trench (as) 6 feet

Approved Septic System Plan

Howard County Health Department

Signature
Date

FSH Associates

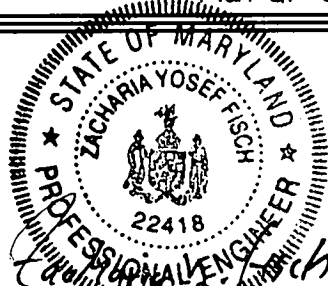
Engineers Planners Surveyors
8318 Forrest Street Ellicott City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7350
E-mail: FSHAssociates@cs.com

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

OWNER/DEVELOPER

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

DESIGN BY: PS
DRAWN BY: PS
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Feb. 03, 2003
W.O. No.: 3138
SHEET No.: 1 OF 1



LOT RESITE LOT 13 MAPLE RIDGE

TAX MAP 8 GRID 12 & 20
4TH ELECTION DISTRICT

PARCEL 51 & 378
HOWARD COUNTY, MARYLAND

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: 6321 Barnhart 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: N.V. Homes Telephone #: 410-781-9703
Subdivision: Maple Ridge Lot #: 13 Well Tag #: HO-94-3983
Site Address: 16198 Carls Mill Rd
Woodbine, MD 21797

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: SFA-RTR Make: Campbell Two piece watertight cap:
Model #: SP4E027L-03 Model#: PF800 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 4 1/2" (36" min) Cap secured to casing:
Well Yield: 10 GPM NSF approved: Conduit min 1 1/2" B.G.:

Depth of well encountered at time of pump installation: 500 (feet) 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 Guard are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt:

Piping to house House Connection
Type: Poly PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: 4 1/2" (36" min) Sleeve crulked 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.

Robert L. Feezer 5/8/03
Signature of company representative responsible for installation date

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

Date Insp. Requested: 4/8/03 Date Insp. Approved: 4/8/03 KN/FA SRK
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

C-1 14232

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 A510610

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED 7/5/02

Depth of Well 22 560 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-74-3483

OWNER LANDSCAPE DEVELOPMENT STREET OR RFD CARRS MILL ROAD TOWN SUBDIVISION MAPLE RIDGE SECTION LOT 13

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Topsoil, Red rocky clay, Brown shale, Brown slate, reddish brown shale, Brown slate, Bluish Gray slate, Tannish/Brown slate, Bluish/gray slate, Brown slate, Blues slate.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 31 NO. OF POUNDS 3500 GALLONS OF WATER 186 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 72 ft.

CASING RECORD

MAIN CASING TYPE 54 Nominal diameter top (main) casing (nearest inch)! 60 61 63 64 66 70 Total depth of main casing (nearest foot) 83

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

SCREEN RECORD

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

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

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

DRILLERS LIC. NO. 1 M No 040 George F. Easterday DRILLERS SIGNATURE LIC. NO. 1 JWD 227

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

C 2 DEPTH (nearest ft.)

Table with columns: T, E, A, C, H, S, R, E, E, N. Rows include 81, 500, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. 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 70 72 74 75 76 TELESCOPE LOG INDICATOR OTHER DATA

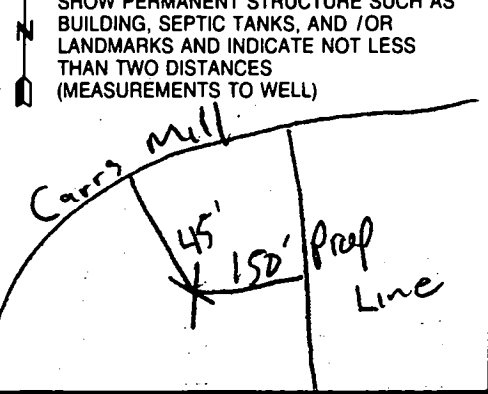
C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3/8 9 PUMPING RATE (gal. per min.) 10.15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 56/17 20 ft. WHEN PUMPING 100/22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP. YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above } LAND SURFACE (-) below } 2 (nearest foot)

LOCATION OF WELL ON LOT



B 1 2174

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

517368 please type

STATE PERMIT NUMBER

HO-94-3483

fill in this form completely

Date Received (APA) 07-10-02

OWNER INFORMATION

9119

B 3

LOCATION OF WELL

Landscape Development
15 Last Name 16307 Carrs Mill Road
36 Woodbine, Md 21797
57 Town 70 State 72 Zip 76

Howard
8 COUNTY Maple Ridge
23 SUBDIVISION 13
SECTION 44 46 LOT 48 50
Lisbon
52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town) 1 MI 73 76 77 78

DRILLER INFORMATION

George F. Easterday M W W 040

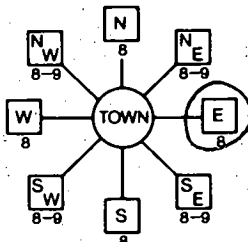
Driller's Name L. Franklin Easterday, Inc.
76 License No. 81

Firm Name 9265 Brown Church Rd., MT. Airy, Md. 21771

Address George F. Easterday 7/12/2002
Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Carrs Mill Road

11 NEAR WHAT ROAD. 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH WEST EAST SOUTH
34 35 37
DISTANCE FROM ROAD Ft.
ENTER FT OR MI 38 39
TAX MAP: 8 BLK: 14 PARCEL 51378

WELL INFORMATION 5

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 500

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- 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 AS10610
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 08-15-02 Mark E. Piffin 08-15-03
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 543 000 EAST GRID 785 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTARY DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

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

APPROX. PERMIT NUMBER G
PERMIT No. HO-94-3483

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

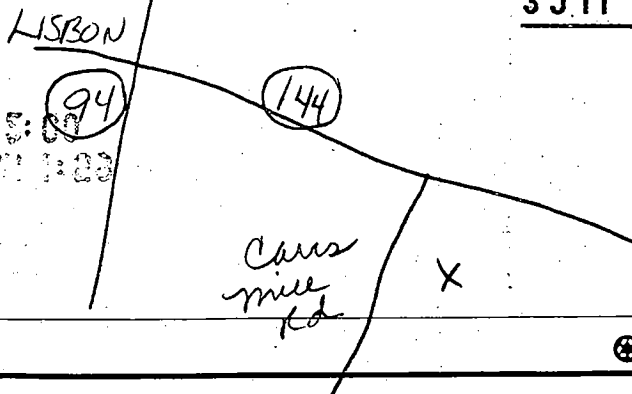
SOURCES OF DRILLING WATER

- 1. wells
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE 7905

E 540-3
N

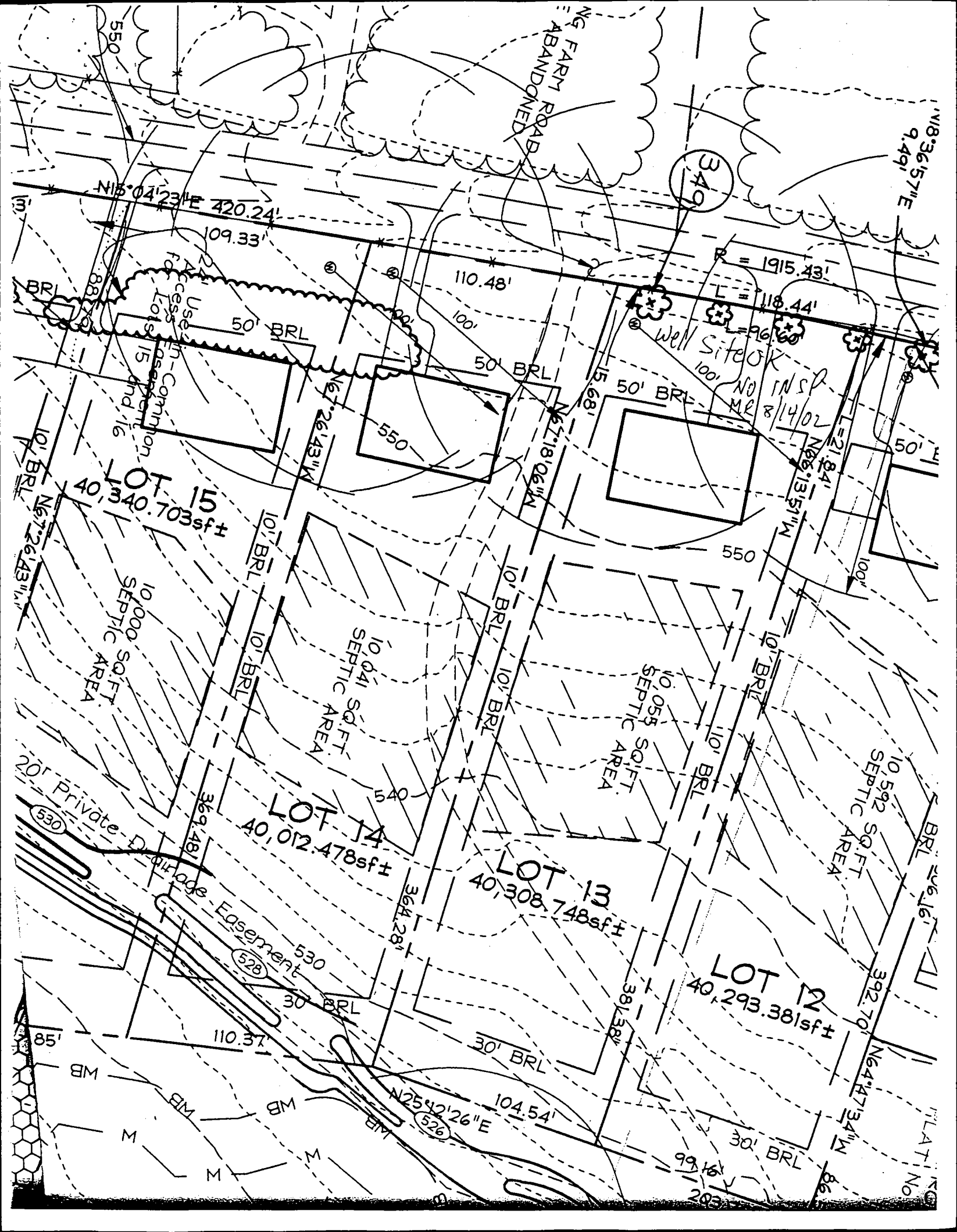
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



3 J 11

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



NG FARM ROAD
ABANDONED

349

N18°36'57\"/>

N15°04'23\"/>

109.33'

110.48'

R = 1915.43'

L = 118.44'

L = 96.60'

Well Site OK
NO INSPECTION
MR 8/14/02

Use in Common
Access to Lots 15 and 16

LOT 15
40,340.703sf±

10,000 SQ. FT.
SEPTIC AREA

10,041 SQ. FT.
SEPTIC AREA

10,055 SQ. FT.
SEPTIC AREA

10,592 SQ. FT.
SEPTIC AREA

LOT 14
40,012.478sf±

LOT 13
40,308.748sf±

LOT 12
40,293.381sf±

Private Dr

Easement

N25°42'26\"/>

PLAT No

CONVENTIONAL TRENCH SEPTIC SPECIFICATIONS WORKSHEET

PROPERTY ID: Ward Property TAX MAP: 8 A 510610
STREET NAME: Maple Ridge Drive PARCEL #: 51 & 378 LOT NUMBER 13

AVERAGE PERCOLATION RATE: 10 min SQUARE FEET PER BEDROOM 210
NUMBER OF BEDROOMS: 4 LINEAR FEET OF TRENCH PER BEDROOM 70
TOTAL LINEAR FEET OF TRENCH 280 SEPTIC TANK CAPACITY: 1250
TOP SEAMED TANK REQUIRED? YES NO
COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DESIGN: Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.

PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber

YES NO top seamed pump chamber required?

LOCATION: Place Septic tank out of well radius. Run 4-70' trenches on contour. Place d. box at location on plan, however place it 3 1/2-4' below grade.

ADDITIONAL NOTES: Basement service is ^{Not} proposed.

REVIEWER: _____

DATE: _____

COUNTY#

SOIL PROFILE

2523

orange
brown
SiClM

4.0
lgt brn
micaceous
SiSalm
20%
Rx

2522-A

orange
brown
SiClM

3.5
lgt brn
SiSalm
evidence
of H₂O
(10.0'
blk and
orange
mottles)

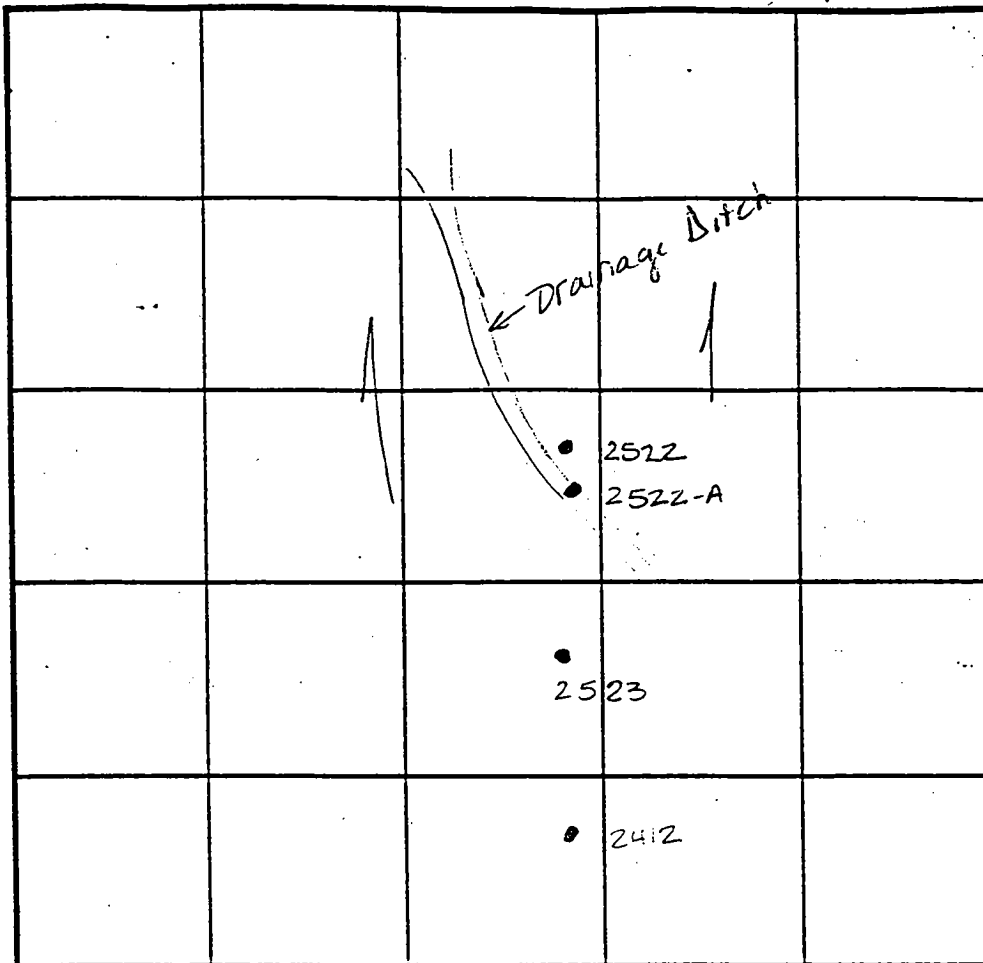
2412

lgt tan
SiClM

5.0
bright
red
SiM

3.0
bright
red
friable
SiM
10%
Rx

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	2523	Visual	to 11.0 - see profile		—		OK
	2522	Insufficient depth to bedrock		refusal @ 5.0'		F	
	2522-A	3.5 / 10.0	3:57	4:01	4:01	4:08	7min
	2412	5.5 / 12.0	2:49	2:54	2:54	3:10	14min
		8.0 / 12.0	2:46	3:02	3:03	3:25	22min

REMARKS Hold for wet-lab tests only to 100' & only open 20min.

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT Olan Ketterman

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

120

COUNTY #

SOIL PROFILE

2525

dark orange brown silty m

orange tan silty m very dry

2524

lgt or silty m

dk red silty m 25% shale

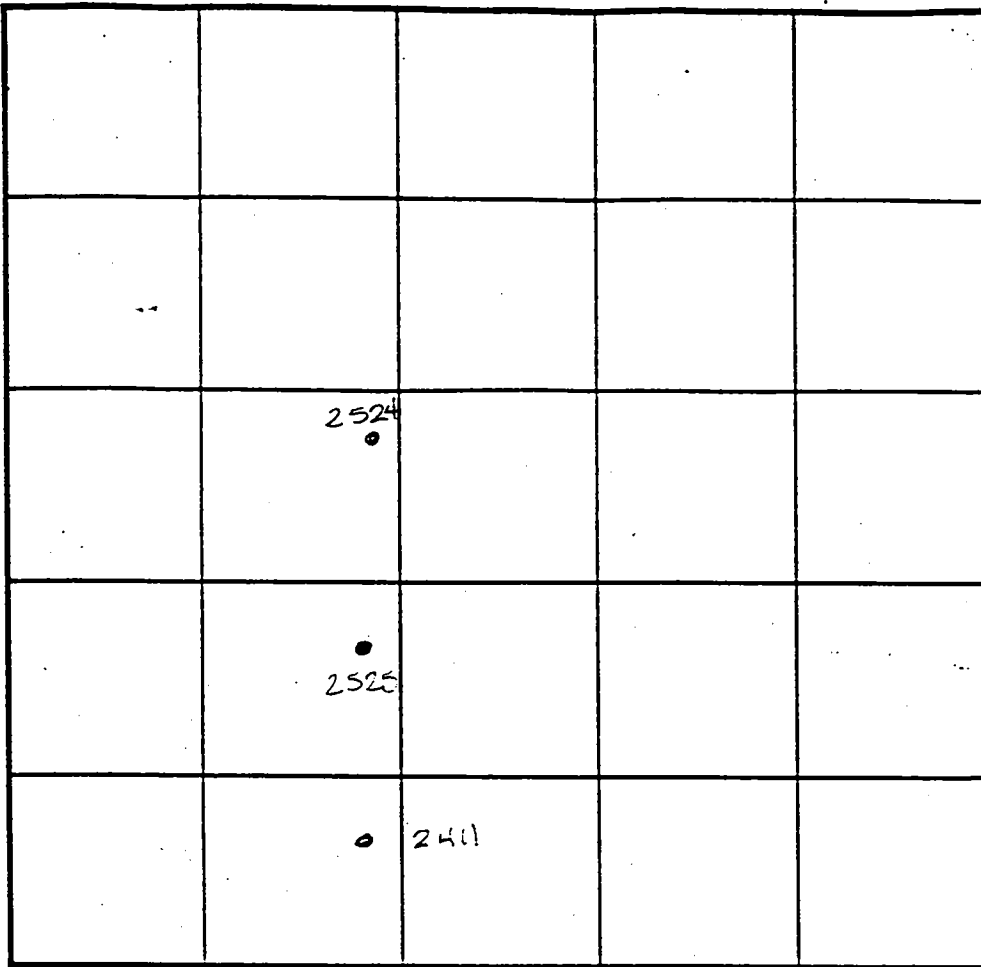
dark brown mottled silty m probably H2O

2411

dark red silty m

red brown silty m 30% R

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-17-98	2525	6.0 vii.5	12:55	1:00	1:00	1:07	7min
		8.5 vii.5	12:55	12:58	12:58	1:03	5min
	2524	Evidence of H ₂ O @		6.5' - see prof		wet	
	2411	visual to 11.5 - see profile		—		OK	

REMARKS Holes not tested at 11.5'

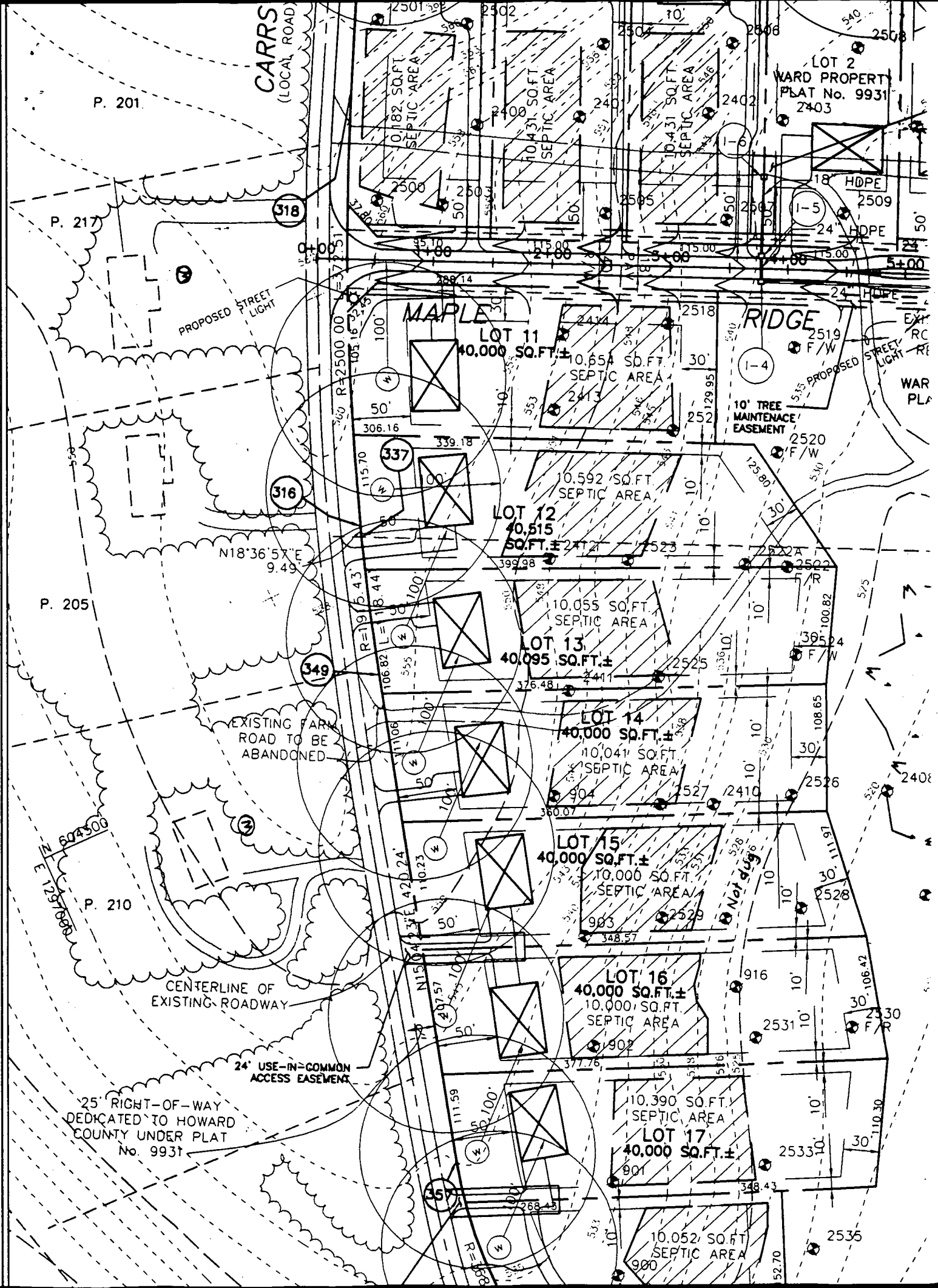
TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

APPROVED PERC CERT 6/20/01



P.01.005 6/20/01

P. 201

P. 217

P. 205

P. 210

CARR (LOCAL RO.)

PROP. CONC. PEDESTRIAN STANDING PAD

PROPOSED STREET LIGHT

N18°36'57"E 9.49'

EXISTING FARM ROAD TO BE ABANDONED

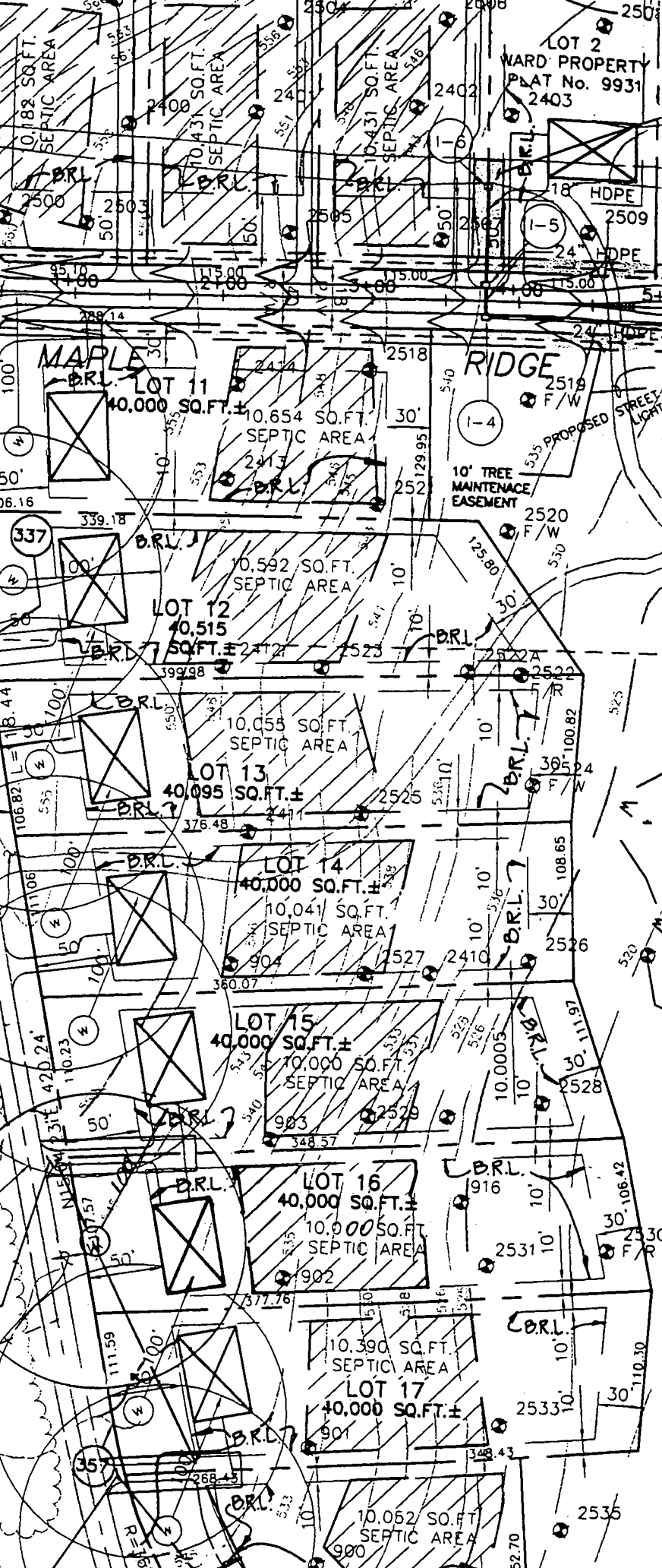
CENTERLINE OF EXISTING ROADWAY

24' USE-IN-COMMON ACCESS EASEMENT

25' RIGHT-OF-WAY DEDICATED TO HOWARD COUNTY UNDER PLAT No. 9931

24' USE-IN-COMMON

LOT 2 WARD PROPERTY PLAT No. 9931 2403

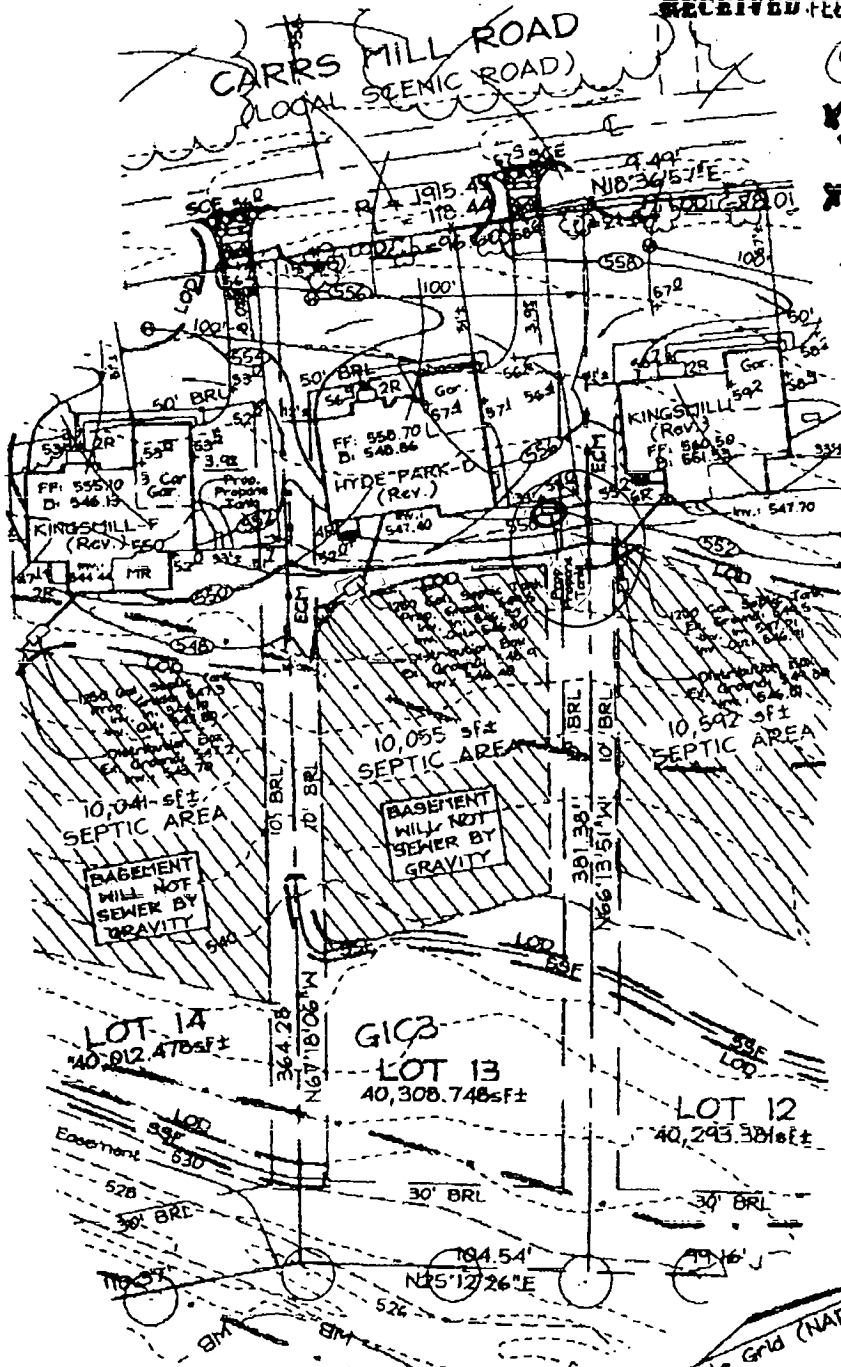


RECEIVED FEB 6 4 2003

@ 2/4/03

Sum Mike

Wynn Wells



800141031

4/9/02

Ensure propane tank 20' from easement

KN

FSH Associates

Engineers Planners Surveyors
6318 Forrest Street, Elkton City, MD 21043
Tel: 410-750-2251 Fax: 410-750-7300
E-mail: FSHAssociates@ol.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: PS
 DRAWN BY: PS
 CHECKED BY: ZYF
 SCALE: 1"=60'
 DATE: Feb. 03, 2003
 W.O. No.: 3130
 SHEET No. 1 OF 1

LOT RESITE LOT 13 MAPLE RIDGE

TAX MAP 8 GRID 12 + 20
4TH ELECTION DISTRICT

PARCEL 51 + 378
HOWARD COUNTY, MARYLAND

GP-03-16