

LAYOUT 12:30 10/9/03 ^(FA) INSP 4 10/22/03 3pm 11/20/03 - 10 AM
 INSP 2 10/16 11:30 INSP 5 11/10/03 12:30 pm
 INSP 3 10/17/03 - INSP 6 11/17/03 12:30 - 1 pm Pump Tests

ISSUE DATE: 10/6/2003

APPROVAL DATE: 11/20/03

**PERMIT
INDEXED**

P 519601

A 511517-F F

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
03-339408**

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS: 3 North Main Street, Mount Airy PHONE NUMBER: 800-682-6726

SUBDIVISION: Fox Creek LOT NUMBER: 14

ADDRESS: 12345 Fox Meadow Lane PROPERTY OWNER: NVR Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

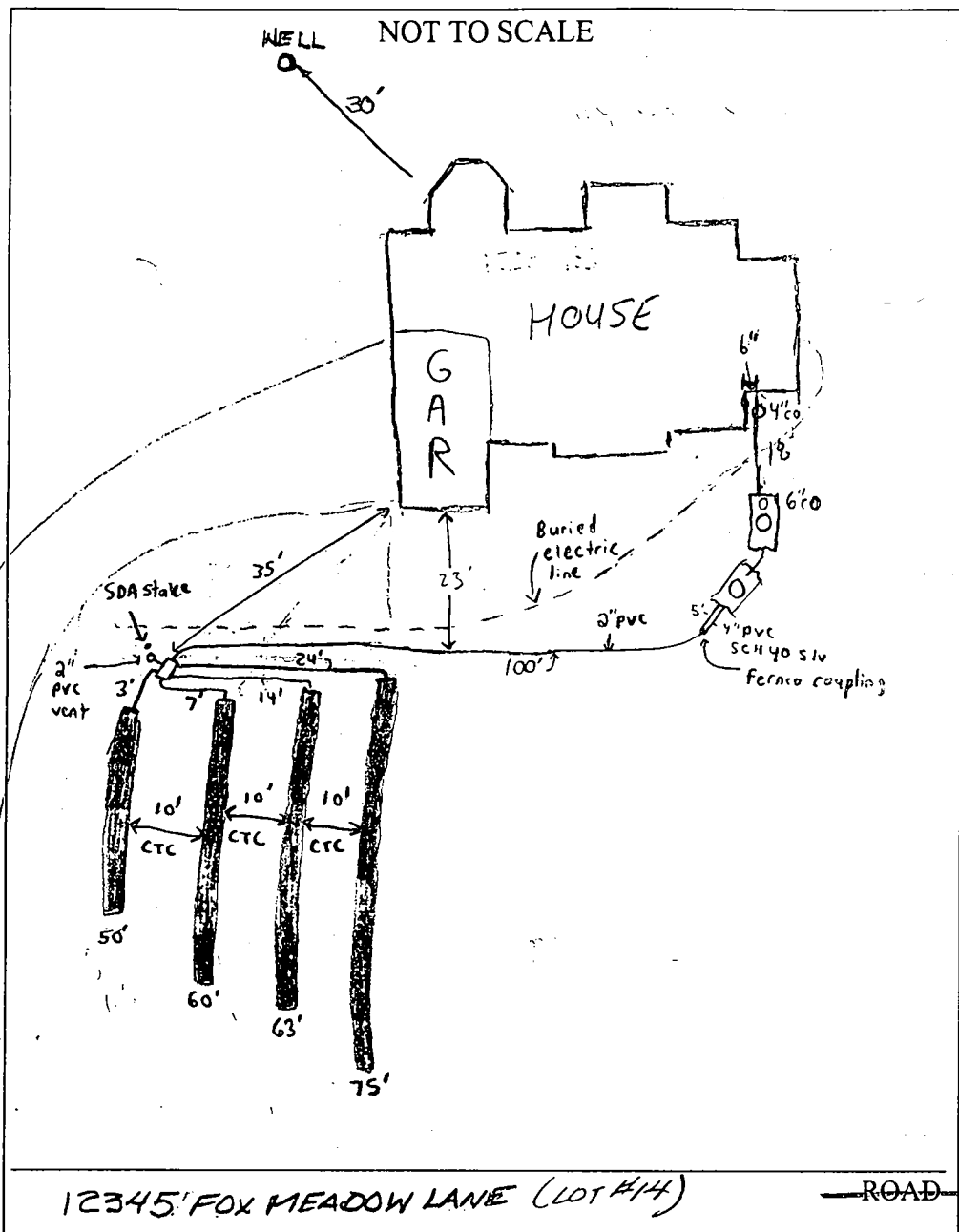
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box near the upper corner easement stake that is closest to the house as shown on the approved building permit plan. Run trenches on contour towards Fox Meadow Lane.
NOTES:	Trench spacing should be 10' center to center.

PLANS APPROVED: Brian Baker OK SRK 10/6/03 DATE: 5/12/03

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

A511517-F



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	4'	6'
NUMBER OF TRENCHES		4
TOTAL LENGTH		248'±
ABSORPTION AREA (BOTTOM AREA)		744 ft ²
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		✓

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3'±
BAFFLES	✓
BAFFLE FILTER	na
MANHOLE LOC	center
6" PORT LOC	front
WATERTIGHT TEST	na
SEPTIC TANK 2 LEVEL	✓
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3'±
BAFFLES	Inlet
BAFFLE FILTER	na
MANHOLE LOC	center
6" PORT LOC	na
WATERTIGHT TEST	na

12345' FOX MEADOW LANE (LOT #14) —ROAD—

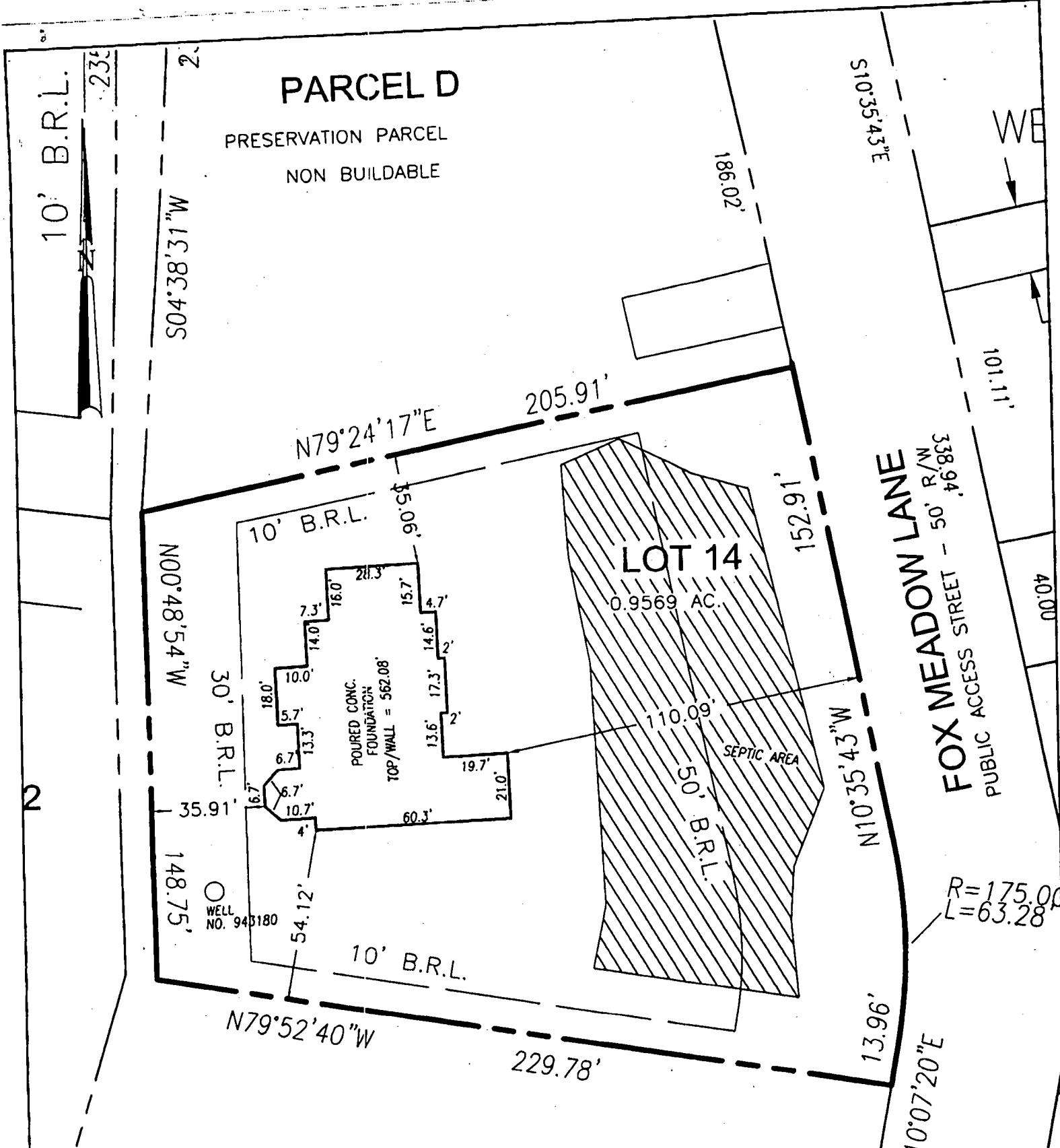
PRE-CONSTRUCTION 10/9/03 ¹³¹⁰ Arrived & met Mr. Bivens; Septic easement not staked. Told Mr. Bivens to call back for layout once ^{septic} easement is properly staked (FA)

INSTALLATION 10/16/03 - SRA staked, contour grade date, install per B.P. (SA) 10/17/03 - Tanks set (SD) 10/22/03 - OK TO COVER ALL WORK, PUMP & ALARM TEST STILL REQUIRED - (SRK/VKB)

11/17/03 Pump chamber doesn't have enough water for test. (BA)

11/20/03 Pump and alarm working. (BB)

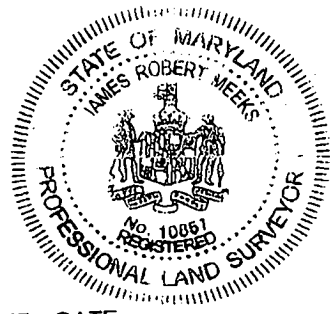
FINAL INSPECTOR B. Baber DATE OF APPROVAL 11/20/03



10/6/03- LOT 13
Wall Check OK
(SRV)

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

James R. Meeks 9/03/03
JAMES ROBERT MEEKS, PROFESSIONAL LAND SURVEYOR #10857 DATE



SCALE 1" = 40'	DATE 08/28/03
DRAWN BY S.HECK	CHECKED BY JRM
PLAT NUMBER 15647	FWA JOB NUMBER 2024059

FWA
FREDERICK WARD ASSOCIATES
www.frederickward.com

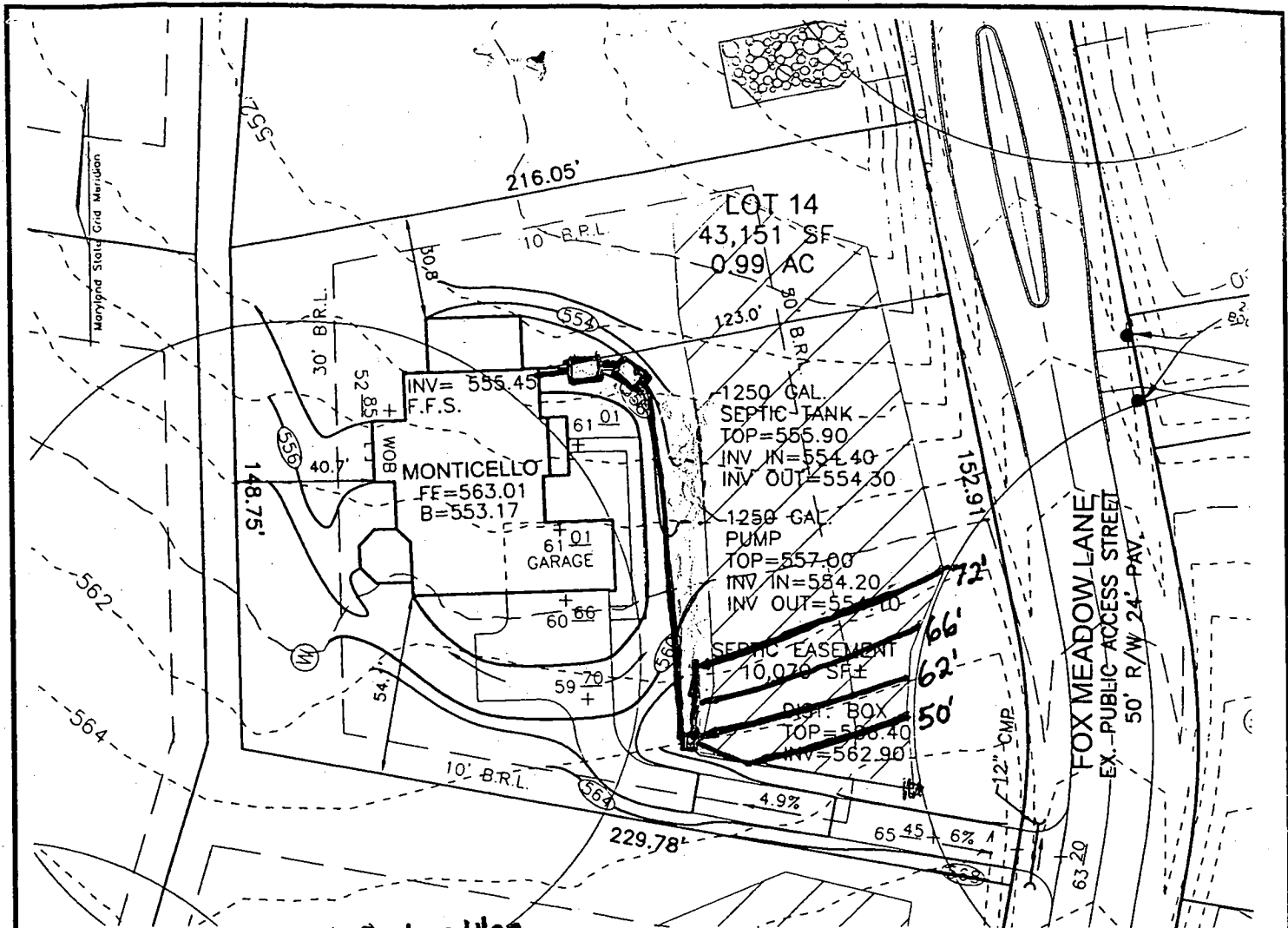
REGIONAL OFFICES
Columbia, Maryland and Warrenton, Virginia

ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS

7125 Riverwood Drive
Columbia, Maryland 21048-2354
410-720-8900
410-720-6226 fax

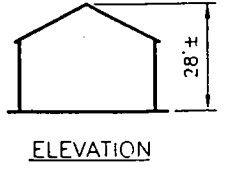
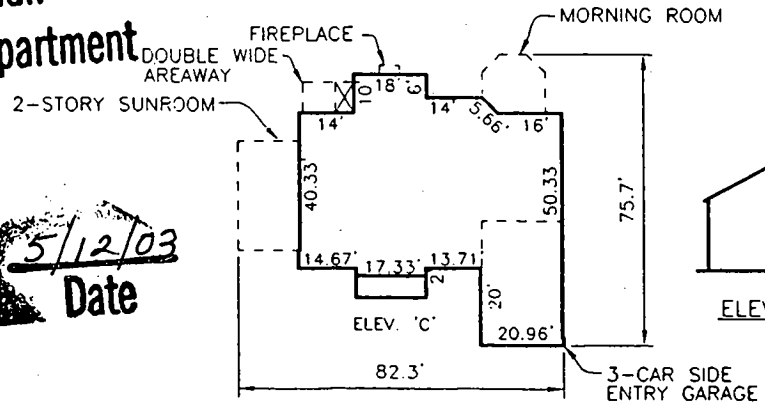
WALL CHECK
LOT 14
FOX CREEK SUBDIVISION

HOWARD COUNTY, MARYLAND 3RD ELECTION DISTRICT

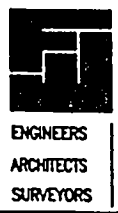


Approved Septic System Plan
Howard County Health Department

Brian Baker 5/12/03
Signature Date



FREDERICK WARD ASSOCIATES, INC. PLAN VIEW



7125 Riverwood Drive Columbia, Maryland 21046-2354
Phone: 410-290-9550 Fax: 410-720-6226
Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

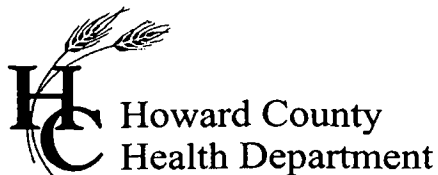
MONTICELLO
ELEV. 'C'
1"=50'

SCALE 1"=50'
DRAWN BY CMH
CHECKED BY JCO
DATE MARCH 2003
W. O. # 2019035.00
SHEET # 1 OF 1

NVHomes
FOX CREEK SUBDIVISION
LOT 14

TAX MAP 15 BLOCKS 12 & 18
TAX MAP BLOCKS 7 & 13
3RD ELECTION DISTRICT

PARCEL '183'
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

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

November 20, 2003

NVR Inc.
6085 Marshalee Drive
Elkridge, MD 21075

SENT VIA FACSIMILE 410-379-2430

RE: Fox Creek, Lot 14
12345 Fox Meadow Lane
BP # B00141393
Well Permit #HO-94-3180

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on November 20, 2003.**

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking.

The raw nitrate sample results were previously documented to be 13.2 ppm. **A nitrate device has been installed to treat the excessive nitrate contamination. The nitrate treatment device appears to be operating properly as evidenced by the water sample results reported on November 17, 2003, which indicates a nitrate level of 3.0 ppm.**

COMAR 26.04.04.09 prohibits approval of any water supply with a nitrate-nitrogen contaminant level in excess of 10 parts per million. **This department will grant a permanent deviation to that section of the regulation on condition that the nitrate removal system effectively maintains the nitrate-nitrogen contaminant level of 10 ppm or less.**

Furthermore, it will be necessary for you to comply with the following conditions:

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the **residence**.
2. It is recommended that a laboratory certified for water testing perform a yearly nitrate analysis. (Certified to test for nitrates)
3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of the above condition.

INTERIM CERTIFICATE OF POTABILITY
(Permanent Deviation for Nitrates)

This certifies that **the initial** sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-3180. **Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.** Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological and nitrate tests, which may be taken by the health department within six months of the date of this letter. Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

Date of Water Sample(s): November 10, 12 & 17, 2003

Date of Well Completion: September 27, 2001

Respectfully,

Brian Baker

Brian Baker
Registered Environmental Sanitarian
Approving Authority
Well and Septic Program

mlb
cc: Building Inspector's office,
 Community Environmental Health Program
 File

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: Van Sant Plumbing Telephone #: 301-829-0444
Address: 2 N Main St
Mt Airy MD 21771

(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 Van Sant License# 6936

*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: NJ Homes Telephone #: 410-379-5956
Subdivision: 1st Creek Lot #: 14 Well Tag #: HO-44-380
Site Address: 12345 Fox Meadow Ln
Burgett Cr, MD 21043

Submersible Pump Data

Make: Gould
Model #: 76507422
Pump Capacity: _____ GPM
Well Yield: 3.5 GPM

Pitless Adapter

Make: Campbell
Model #: BIOL
Depth: 42 (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: 300 (feet)
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 NO

Piping to house

Type: PVC with Hubs
PSI: 200 (160 psi min)
Depth of supply line: 12 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: 15
Approximate length of sleeve: 15
Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

date

10.27.03

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

Date Insp. Requested: 10/6/03 pm

Date Insp. Approved: 10/6/03

50 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

C1 0641 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.

1, 2, 3, 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED MM DD YY 8 13

DATE WELL COMPLETED MM 9 DD 27 YY 01 15 20 Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10/11/01 OK BB 40-94-3180 28 29 30 31 32 33 34 35 36 37

OWNER 140 STREET OR RFD Fox Meadow Lane TOWN West Friendship SUBDIVISION Fox Creek SECTION LOT 14

WELL LOG Not required for driven wells. STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING. DESCRIPTION (Use additional sheets if needed) FEET FROM TO check if water bearing. BROWN SHALE 0 40 BLUE SLATE 40 300 WATER AT 70'

GROUTING RECORD yes no WELLS HAS BEEN GROUTED (Circle Appropriate Box) Y N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 16 NO. OF POUNDS 1504 GALLONS OF WATER 96 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 49 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) 50

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

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

DEPTH (nearest ft.) 40 49 300 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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.

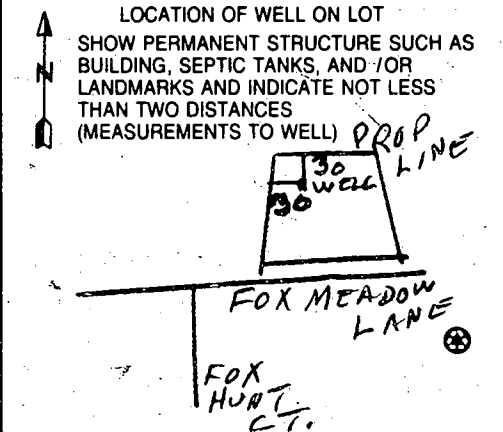
DRILLERS LIC. NO. 1 MWD 139 Robert Elme DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MWD 536 Robert Elme Jr. SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 3.5 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 28 ft. WHEN PUMPING 130 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) 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 49 below 49 LAND SURFACE 1 (nearest foot)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3180
 Location of property (road) Fox Meadow Lane
 Subdivision Fox Creek Lot 14 Block 130 Plat Sec.
 Well Driller C.D. Owner

Depth of well 300
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 28

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 10
 Total time 30 MIN to reach pumping water level 130 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	28	30 SECONDS		10
8:45	101	30 "		10
8:59	129	30 "		10
9:00	130	1 MIN 35 SEC		3.5
9:15	130	1 MIN 35 SEC		3.5
9:30	130	1 MIN 35 SEC		3.5
9:45	130	1 MIN 35 SEC		3.5
10:00	130	1 MIN 35 SEC		3.5
10:15	130	1 MIN 35 SEC		3.5
10:30	130	1 MIN 35 SEC		3.5
10:45	130	1 MIN 35 SEC		3.5
11:00	130	1 MIN 35 SEC		3.5
11:15	130	1 MIN 35 SEC		3.5
11:30	130	1 MIN 35 SEC		3.5
11:45	130	1 MIN 35 SEC		3.5
12:00	130	1 MIN 35 SEC		3.5
12:15	130	1 MIN 35 SEC		3.5
12:30	130	1 MIN 35 SEC		3.5
12:45	130	1 MIN 35 SEC		3.5
1:00	130	1 MIN 35 SEC		3.5
1:15	130	1 MIN 35 SEC		3.5
1:30	130	1 MIN 35 SEC		3.5
1:45	130	1 MIN 35 SEC		3.5
2:00	130	1 MIN 35 SEC		3.5

B 1	0667	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL	STATE PERMIT NUMBER <u>HO -94 - 3180</u>
1 2 3 6			W515019 please print or type	fill in this form completely

Date Received (APA) 03-30-01

OWNER INFORMATION

IKO-Tennant Development
15 Last Name Owner First Name 34

3403 Olandwood Ct., Suite 101
36 Street or RFD 55

Olney, MD 20832
57 Town 70 State 72 Zip 76

LOCATION OF WELL

Howard
8 COUNTY 21

Fox Creek
23 SUBDIVISION 42

SECTION LOT 14
44 46 48 50

West Friendship
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1.0 M I I
73 76 77 78

DRILLER INFORMATION

Robert L. Cline MWD 139
Driller's Name 76 License No. 81

Cline & Duvall, Inc.
Firm Name

8093 Hillmark Ct., Frederick, MD 21704
Address

Robert L. Cline
Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD Fox Meadow Lane
11 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 250 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 15 BLK: PARCEL 183

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300
14 20

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 COUNTY NAME COUNTY NO. 13

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED 08/19/01 CO SIGNATURE [Signature] EXP. DATE 08/19/02
43 MM DD YY 48

NORTH GRID: 535 000 EAST GRID: 081 73 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810

N 5305

8/21/01
Grout 8:30
I-70 or later
8/21/01
No Insp.
well X

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

39 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 _____ 52

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

APPROP. PERMIT NUMBER H0200LG001

PERMIT No. HO -94 - 3180
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED.

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Fox Creek

A 511517-F

STREET NAME: 12345 Fox Meadow Lane

LOT NUMBER: 18 14

AVERAGE PERCOLATION RATE: ~3

SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: 4

LINEAR FEET OF TRENCH PER BEDROOM: 60

TOTAL LINEAR FEET OF TRENCH: 240

SEPTIC TANK CAPACITY: 1250

TOP SEAMED TANK REQUIRED? YES NO

COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DIMENSIONS: Trench to be 3 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade.

Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

=====
PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: 1250 gallon pump chamber.

YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

=====
LOCATION: Place the distribution box near the upper corner easement stake that is closest to the house (see the permit plan). Run trenches on contour towards Fox Meadow Lane.

ADDITIONAL NOTES: Trench spacing should be 10' center to center.

Reviewer: B. Baker

Date: 5/12/03

TENANT PROPERTY

COUNTY # _____

SOIL PROFILE

0'

SOIL PROFILE

0'

271	272	273	274
260	26A	265	266
255	256	257	258
246	247	248	249

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
<div style="font-size: 2em; font-family: cursive;">See Attached</div>							

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Sae ALSO PRESENT C. Zapp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

SOIL PROFILE 282

0' 1" topsoil

3.5' org brn cl lm

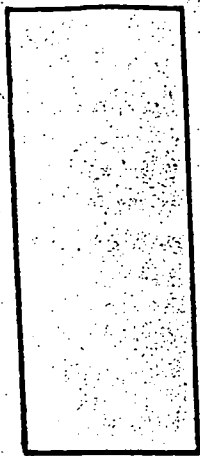
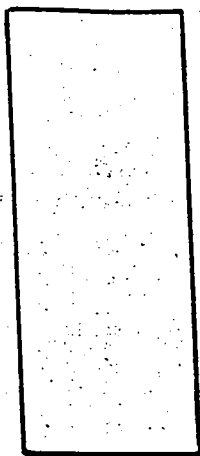
12' pale org tan si lm w/ little mica 15% sup sh

180/272

0' 1" topsoil

3.5' org brn cl lm

15' beige si lm w/ little mica 5-10% sup sh



274/273

0' 1" topsoil

4'-4.5' org red brn cl lm

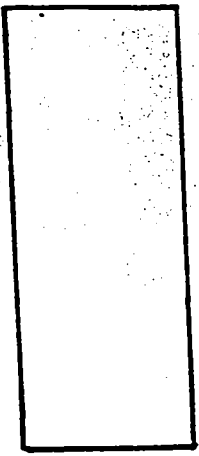
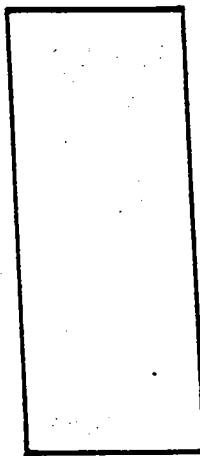
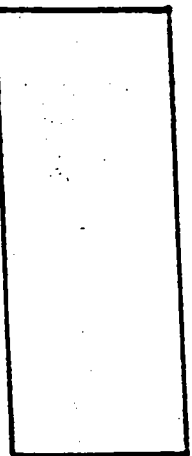
12' beige si lm w/ mica 15-20% sup sh

271/279

0' 1" topsoil

3.5' org brn cl lm

13.5' beige si lm w/ little mica 15% sup sh



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-3-07	282	3.0' S	12:17	12:35	12:35	little slow	OK
		12.0' D	visual	-see	profile		OK
	274	12.0' D	visual	-see	profile		OK
	273	4.0' S	12:22	12:52	12:52	slow	OK below
		12.5' D	visual	-see	profile		OK
	281	12.5' D	visual	-see	profile		OK
	280	3.5' S	12:32	12:34	12:34	12:37	3
		15.0' D	visual	-see	profile		OK
	272	12.5' D	visual	-see	profile		OK
	271	3.5' S	12:47	12:48	12:48	12:50	2
		13.5' D	visual	-see	profile		OK
	279	11.5' D	visual	-see	profile		OK

PERIMETER 10'
1050' A' BUFFER

IS PROPER
SECTION 11
NO 7867-7860
ZONED RR-DEO

EX: SEPTIC EASEMENT

LOT 11
40,940 s.f.
0.94 ac.

PERIMETER 10'
519' A' BUFFER
2014 98'

LOT 12
49,950 s.f.
1.01 ac.

LOT 15
44,141 s.f.
1.01 ac.

LOT 17
41,641 s.f.
0.95 ac.

LOT 16
42,291 s.f.
1.09 ac.

NON BUILDABLE
PRESERVATION
PARCEL D
41,551 s.f.
0.95 ac.

LOT 18
48,499 s.f.
1.11 ac.

LOT 14
43,161 s.f.
0.99 ac.

TO BE PRIVATELY OWNED
EASEMENT HOLDERS TO BE THE H.O.A.
AND HOWARD COUNTY

FOX

HOLLOW

LANE

BERNARD

PERIMETER 10'
201' B' BUFFER

LOT 13
49,230 s.f.
1.13 ac.

RROP III
CLASS I RIP-RAP
L= FEET UNDISTURBED
GROUND
d50= 4.5"
THICKNESS= 1'

LOT 20
47,344 s.f.
1.09 ac.

LOT 19
40,349 s.f.
0.93 ac.

PERIMETER 5'
206' B' BUFFER

LOT 21
42,108 s.f.
0.97 ac.

LOT 22
41,774 s.f.
0.96 ac.

MITIGATED
NOISE BARRIERS
PERIMETER 10'
868' A' BUFFER

NON BUILDABLE
PRESERVATION
PARCEL B

