

LAYOUT 7/9/03-12 PM INSP 4
 INSP 2 9/16/03-4PM INSP 5
 INSP 3 _____ INSP 6 _____

RPS#
 339300

ISSUE DATE: 6/30/2003
 APPROVAL DATE: 9/16/03

P 519034
 A 511537-Q

PERMIT INDEXED

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

Van Sant Plumbing & Heating _____ IS PERMITTED TO INSTALL ALTER
 ADDRESS: 3 N. Main Street, Mt. Airy 21771 PHONE NUMBER: 800-682-6726
 SUBDIVISION: Fox Creek LOT NUMBER: 5
 ADDRESS: 12325 Fox Meadow Lane PROPERTY OWNER: NVR Inc.
 SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): N/A COMBUSTIBLE
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

**BUILDING PERMIT SIGNED
 AND RETURNED**
 3/18/04 - BOD 146826-DECK

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	As shown on the site plan. Run trenches on contour.
NOTES:	Basement gravity service not proposed. Prior to installation, recommend exploratory perc hole dug within SDA with a sanitarian on site.

PLANS APPROVED: Kacie Noonan DATE: 1/30/2003

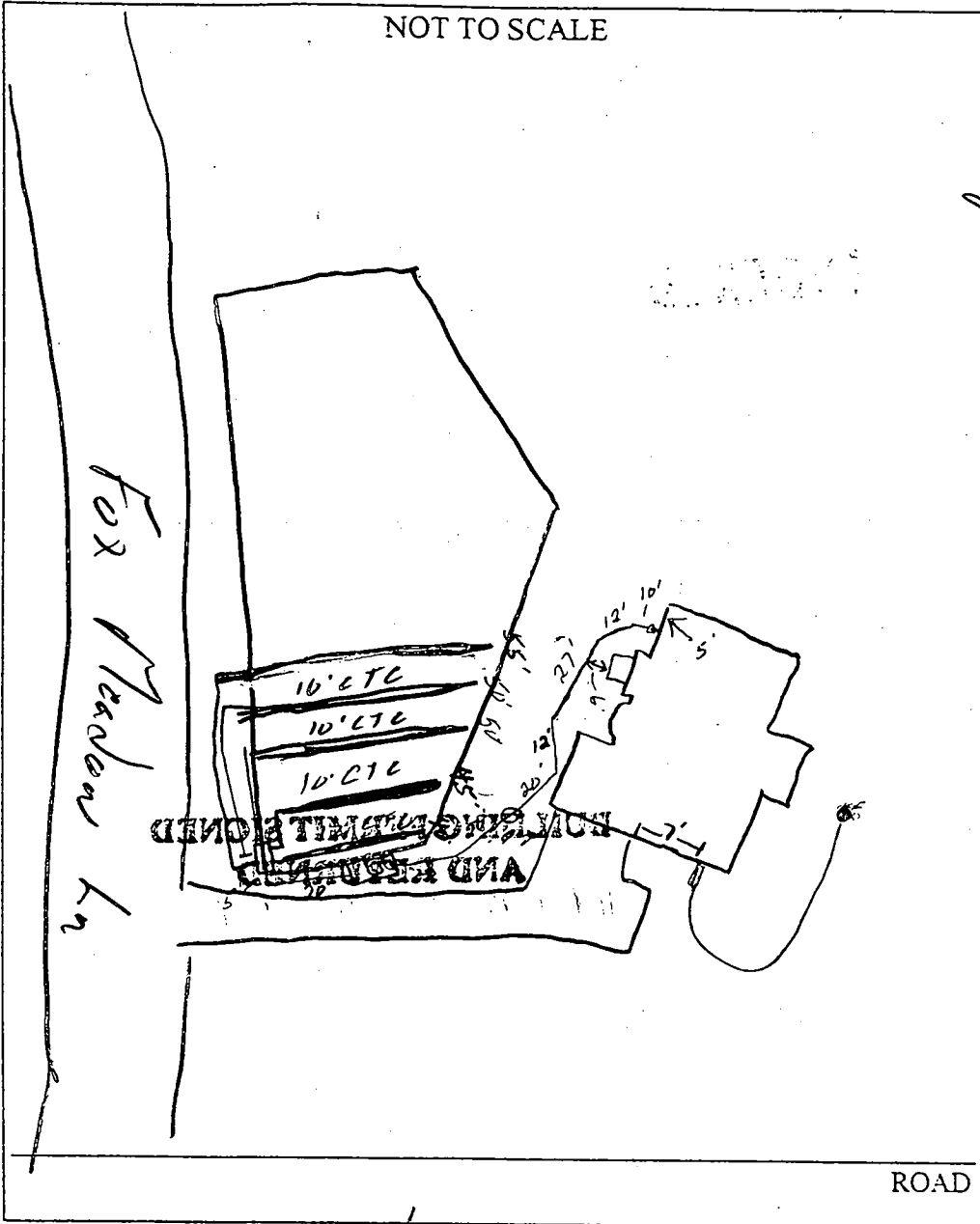
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS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

* 3/17/04 Review of well location identified by SAN. DOES NOT MATCH "STAKED By Surveyor" Location

A511537-Q

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2'	5'
NUMBER OF TRENCHES		5
TOTAL LENGTH		240'
ABSORPTION AREA		720 4
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

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

PRE-CONSTRUCTION 7/9/03 SRA started Can't make fall to P.B. as shown on B.P. Locate D.B. to other side of SRA ST. to be relocated also.

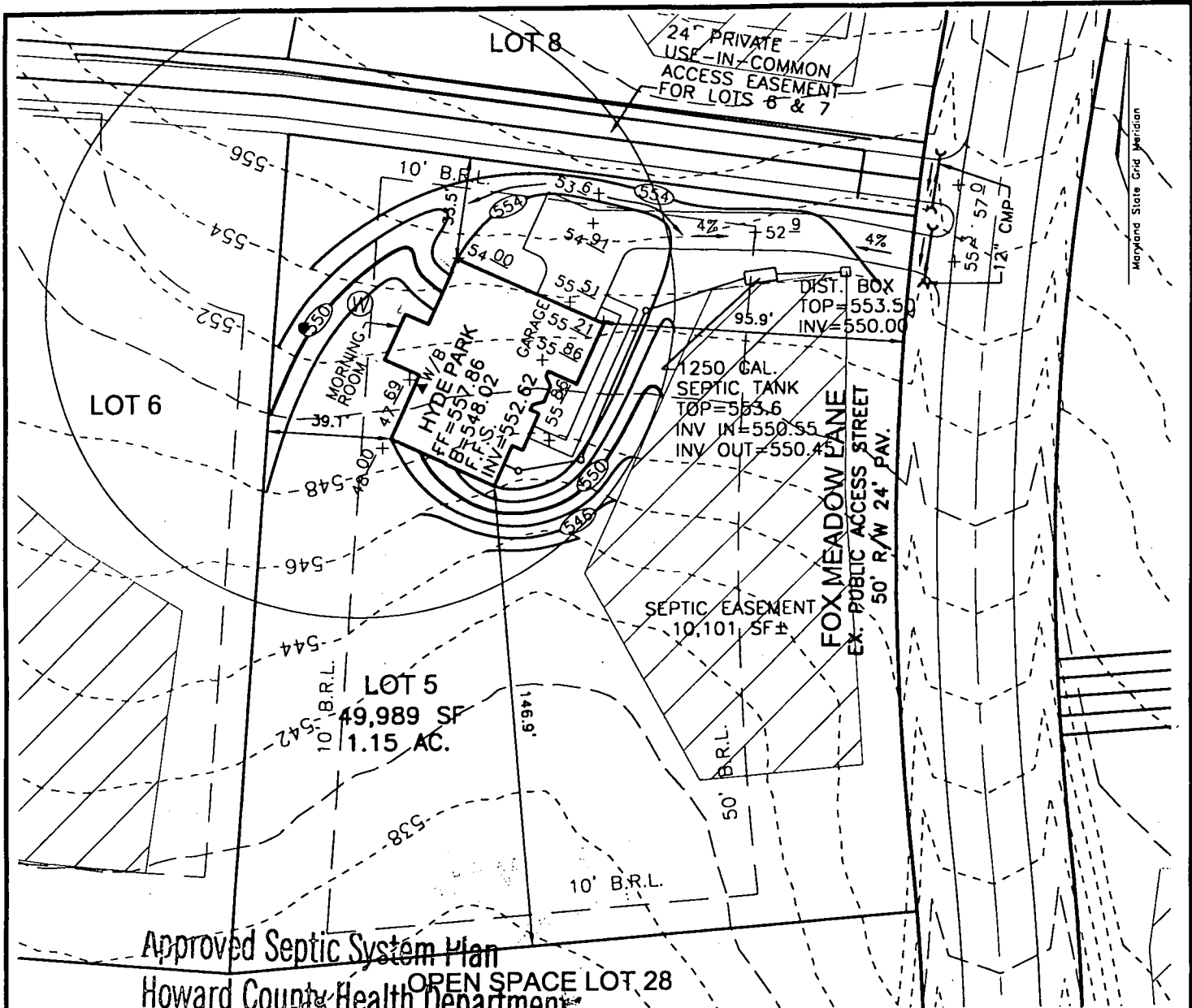
INSTALLATION Install 40'/45'/50'/50'/55" trenches on contour. Well is 13' off back of house, also changes well radius (SO)

7/10/03-STOP WORK ORDER ISSUED (SEE LETTER) (SRW) 9/2/03-STOP WORK ORDER LIFTED (SEE LETTER) - (SRW) 9/16/03 OK to cover all work (SO)

FINAL INSPECTOR

DATE OF APPROVAL

9/16/03

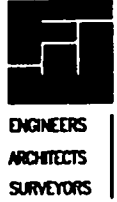


Approved Septic System Plan
 Howard County Health Department
 Revised - Field located Well

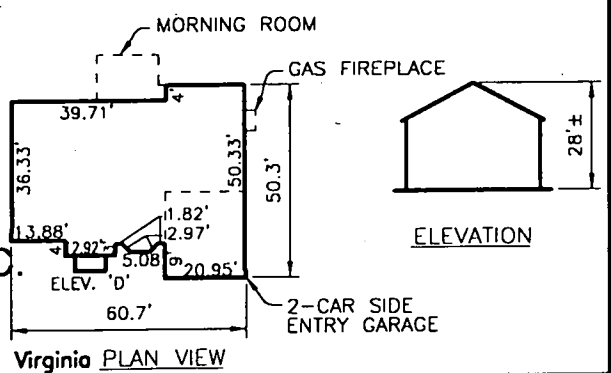
Steven R. King
 Signature

9/2/03
 Date
 HYDE PARK
 ELEV. 'D'
 1"=50'

FREDERICK WARD ASSOCIATES, INC.



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

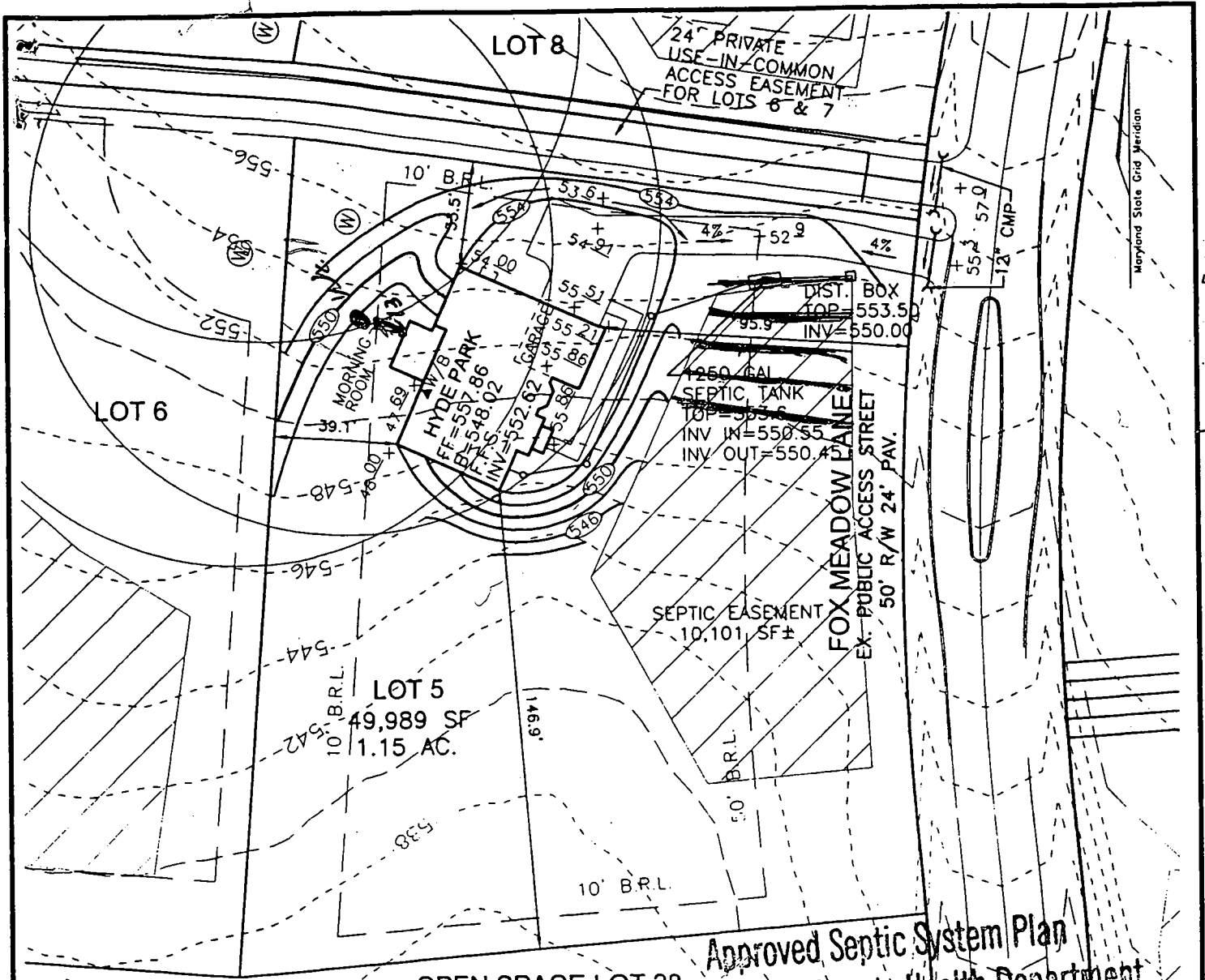


SCALE 1"=50'
 DRAWN BY CMH
 CHECKED BY JCO
 DATE DEC. 2002
 W. O. # 2019035.00
 SHEET # 1 OF 1

NVHomes
~~FOX CREEK SUBDIVISION~~
 LOT 5

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

PARCEL '183'
 HOWARD COUNTY, MARYLAND



40
45
50
50
55
240

Approved Septic System Plan
Howard County Health Department

Total linear feet of trench required 240 feet

Width of trench(es) 3 feet

Depth of trench(es) 5 feet



FREDERICK WARD ASSOCIATES, INC.

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

MORNING ROOM
GAS FIREPLACE
2-CAR SIDE ENTRY GARAGE

Kace Norma
Signature
ELEV. 'D' 1"=50'

1/30/03
Date
ELEVATION

SCALE 1"=50'
DRAWN BY CMH
CHECKED BY JCO
DATE DEC. 2002
W. O. # 2019035.00
SHEET # 1 OF 1

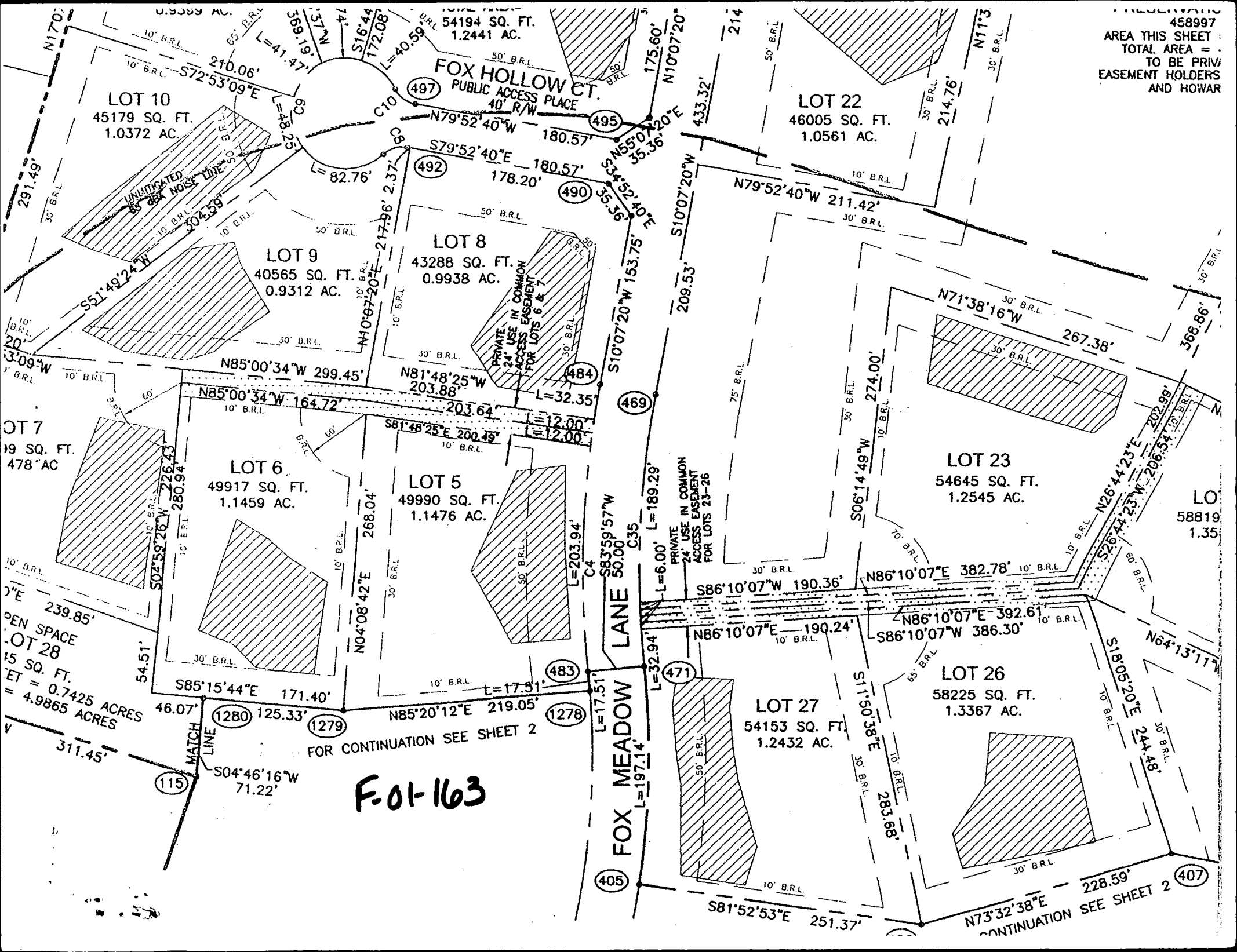
NVHomes
FOX CREEK SUBDIVISION
LOT 5

1-30-03
2 1/2" cover on S.T.
~ 3' cover on d. box
(KN)

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

PARCEL '183'
HOWARD COUNTY, MARYLAND

458997
 AREA THIS SHEET
 TOTAL AREA =
 TO BE PRIV
 EASEMENT HOLDERS
 AND HOWAR



F-01-163

FOR CONTINUATION SEE SHEET 2

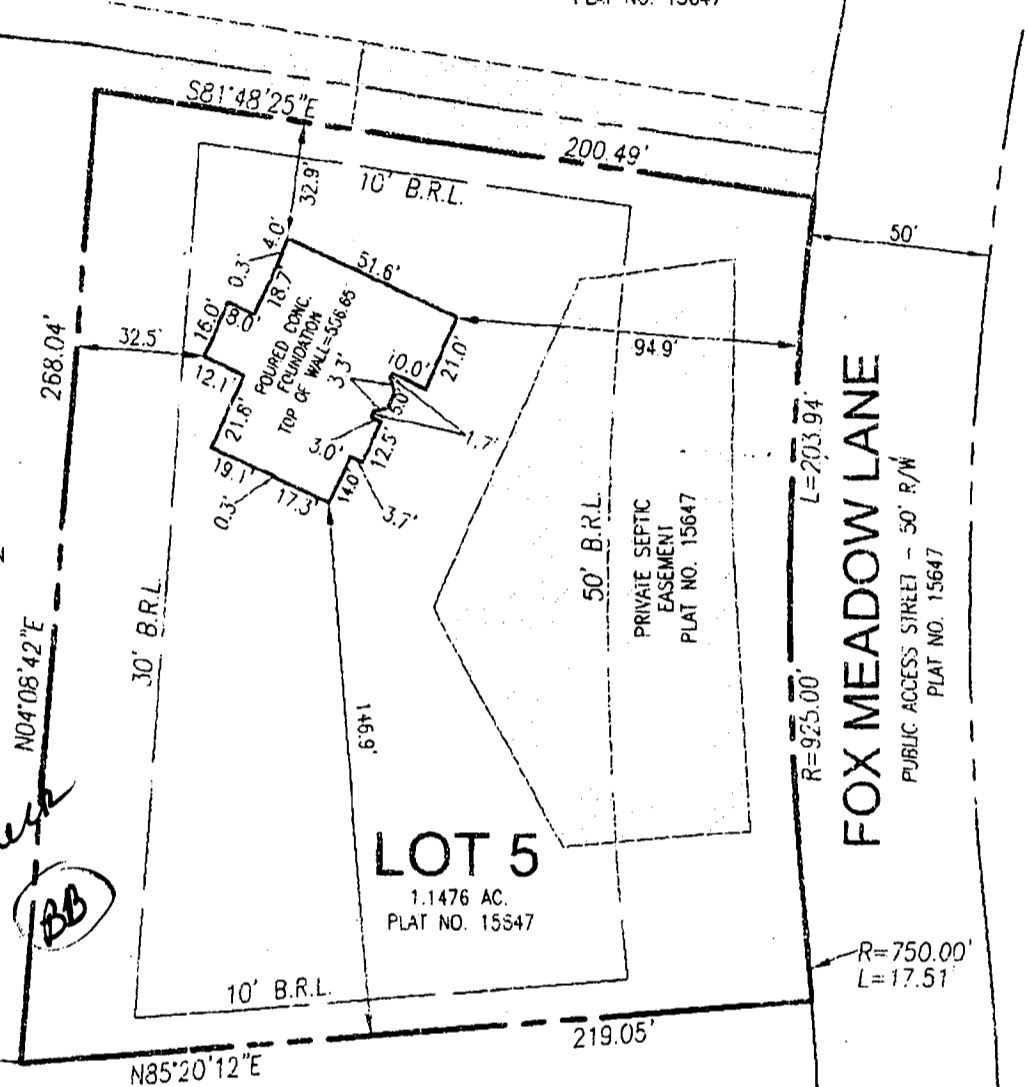
CONTINUATION SEE SHEET 2

MD STATE GRID MERIDIAN (NAD 83)

PRIVATE 24' USE IN COMMON
ACCESS EASEMENT TO BENEFIT LOTS 6&7
PLAT NO. 15647

LOT 6
FOX CREEK SUBDIVISION
PLAT NO. 15547

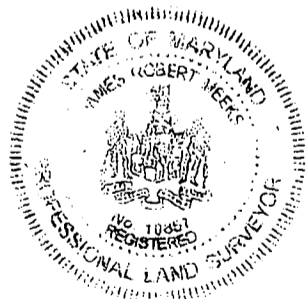
*6/25/03
Wall Check
O.K. BB*



LOT 5
1.1476 AC.
PLAT NO. 15547

FOX MEADOW LANE
PUBLIC ACCESS STREET - 50' R/W
PLAT NO. 15647

OPEN SPACE LOT 28
FOX CREEK SUBDIVISION
PLAT NO. 15646



FREDERICK WARD ASSOCIATES, INC.

ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2334
ARCHITECTS Phone: 410-290-0550 Fax: 410-720-5226
SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

RECORD REFERENCES

LIBER/FOLIO _____
PLAT BOOK: N/A
PLAT NO./FOLIO: 15647

SCALE: 1"=50'
DATE: 06-11-2003

FOUNDATION LOCATION

**LOT 5
FOX CREEK
SUBDIVISION**

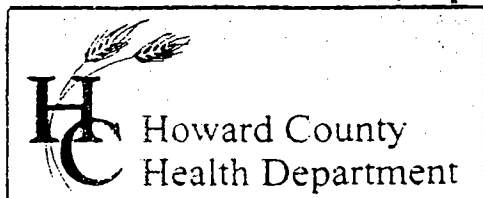
**HOWARD COUNTY
MARYLAND**

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

James R. Meeks
JAMES R. MECKS, PROFESSIONAL LAND SURVEYOR #10857

6/11/03

DO NOT DISCARD



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

July 10, 2003

NVR, Inc.
2200 Defense Highway, Suite 301
Crofton, MD 21114

RE: **STOP WORK ORDER**
Fox Creek, Lot 5
12325 Fox Meadow Lane
BP # B00139280

Dear Sirs:

On July 9, 2003, an inspector from this office observed that the existing well (permit # HO-94-3235) is located approximately 13' from the house foundation. This separation distance does not comply with the 30' required by COMAR 26.04.04. Furthermore, this well location does not match the location shown on the approved building permit site plan, despite reports from Frederick Ward Associates, Inc., that the well is field located. **This letter is to inform that a Stop Work Order for the septic system construction has been issued and a recommendation for a Stop Work Order for the house construction has been forwarded to the Department of Inspections Licenses and Permits.**

In order to resolve this issue, a new well must be drilled at least 30' from the foundation, and the existing well must be properly abandoned and sealed by a licensed well driller. This should be done as soon as possible to prevent delays in issuance of a Use and Occupancy permit.

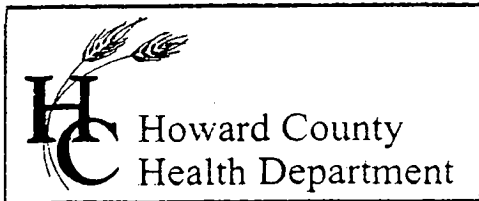
In order to prevent an issue like this from occurring in the future, all building permit site plans will be required to have a signed statement declaring that the well shown on the plan (identified with well permit number) has been field located by _____ professional land surveyor and is accurate. In addition to this new requirement, all house location drawings (wall checks) will be required to show the existing well field located and identified with well permit number along with the recorded septic easement or approved sewage disposal area shown.

In conclusion, please advise construction managers and field superintendents that 30' separation distance must be maintained between wells and house foundations.

Respectfully,
Steven R. Krieg
Steven R. Krieg, R. S.
Well and Septic Program

SRK

cc: Department of Inspections, Licenses and Permits
Frederick Ward Associates, Inc.
Van Sant Plumbing and Heating
File ✓



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website: www.hchealth.org

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

TO: Bruce Forejt
Department of Inspections Licenses and Permits

FROM: Steven R. Krieg, R. S.
Supervisor – Groundwater Management Section
Well and Septic Program

RE: Fox Creek, Lot 5, Stop Work Order
12325 Fox Meadow Lane
B00139280

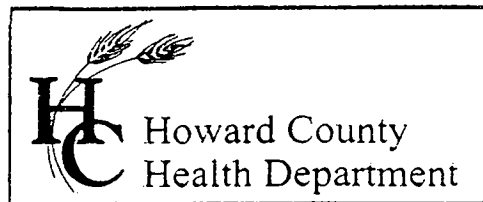
DATE: 9/2/2003

Upon receiving documentation and signed statements from Frederick Ward Associates and NV Homes, the Health Department has issued a variance for the required distance between the existing well and the house foundation. The stop work order for the well and septic system construction has therefore been lifted.

SRK

CC: Van Sant Plumbing & Heating ✓

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TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

TO: Robert H. Vogel, P.E.
FROM: Steven R. Krieg, R. S.
Supervisor – Groundwater Management Section
Well and Septic Program
RE: Fox Creek, Lot 5, Well Variance
DATE: 9/2/2003

I am in receipt of your request for a variance dated 8/15/03 and the accompanying letter from NV Homes.

As a result of the difficulty in obtaining adequate yielding wells in parts of this subdivision, and your assurance that the foundation is not subject to requiring chemical treatment, recommendation of the variance to MDE is being made. In addition, any future deck must maintain a 10-foot separation to the well without jeopardizing access for maintenance or abandonment/sealing if required.

Cc: Jerry Johnson
Barry Glotfelty

SRK

*Recommendation for a variance
received and granted by MDE.
Barry Glotfelty R.S.*

DO NOT DISCARD



DO NOT DISCARD

August 29, 2003

Steve Krieg
Groundwater Management Section Supervisor
Howard County Health Department
3525 Ellicott Mills Drive
Suite H
Ellicott City, Maryland 2104

Re: Fox Creek, Lot 5
12325 Fox Meadow Lane
B00139280

Dear Mr. Krieg,

We are aware of Mr. Robert Vogel's August 15, 2003 letter requesting a variance to reduce the well to foundation spacing from 30' to 14.4'. We are in support of this variance and will notify the potential homebuyer of the conditions of this variance, if granted.

Furthermore, we have notified our field supervisors and personnel of the minimum dimensions required between foundations to wells, as well as foundations to septic easements.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Sincerely,
NV Homes

A handwritten signature in black ink, appearing to read "J. Johnson".

Jerry Johnson, Production Manager

6085 Marshalee Drive • Suite 130 • Elkridge, MD 21075 • (410) 379-5956 • FAX (410) 379-2430

"We are pledged to the letter and spirit of U.S. policy for the achievement of equal housing opportunity throughout the nation. We encourage and support an affirmative advertising and marketing program in which there are no barriers to obtaining housing because of race, color, religion, sex, handicap, familial status or national origin."



FREDERICK WARD ASSOCIATES

ARCHITECTS ENGINEERS PLANNERS SURVEYORS

7125 Riverwood Drive, Suite C
Columbia, Maryland 21046
410-720-6900
410-720-6226 fax

CORPORATE OFFICE
P.O. Box 727, 5 South Main Street
Bel Air, Maryland 21014-0727
410-879-2090
410-893-1243 fax

www.frederickward.com

August 15, 2003

Steve Krieg
Groundwater Management Section Supervisor
Howard County Health Department
3525 Ellicott Mills Drive, Suite H
Ellicott City, Maryland 21043

Re: Fox Creek Lot 5 Well Variance
12325 Fox Meadow Lane
B00139280

Dear Mr. Krieg,


The purpose of this letter is to request a variance from the 30' distance requirement between a foundation and the existing well as field located. The building foundation for Lot 5 has been constructed and is located 14.4' from the existing well. Although the well was field located, an incorrect location was shown on the building permit plot plan submitted for review ~~or~~ and approval.

It is our understanding that the intent of COMAR 26.04.04 is to provide a minimum of 30' separation from an excavated foundation. The separation was originally intended to allow for chemical treatment of foundations. In this situation the well is not located in close proximity to a buried basement wall (which is poured concrete). We maintain the well is no more at risk for contamination at the existing location than an alternate site located 30' from the existing foundation since poured concrete walls are no longer subject to chemical treatment.

There are no current plans for a deck to be constructed off the rear of the existing house. Additionally, the architectural plans do not provide for a door off the rear of the morning room. There will be a door located off the side of the morning room which may provide access to a potential future deck. In order for a deck to be located over the existing well, the deck would need to extend approximately 25' from the house. A deck of this size would be impractical and not probable. Therefore we respectfully request approval of the variance to reduce the 30' well separation requirement to a distance of 14.4'. It is my professional opinion that granting this variance will not increase the probability of well contamination. Furthermore, I ask that you recommend this variance to Maryland Department of the Environment for official approval.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Sincerely,
FREDERICK WARD ASSOCIATES, INC.


Robert H. Vogel, P.E.
Vice President

RHV:mcr
cc: Jerry Johnson-NV Homes

2019035-4

DO NOT DISCARD

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: FOX CREEK

A 511537Q

STREET NAME: ~~70500~~ Fox Meadow LN
12325

LOT NUMBER: 65

AVERAGE PERCOLATION RATE: 6

SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: 4

LINEAR FEET OF TRENCH PER BEDROOM: _____

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 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade.

Effective area begins at 3.0 feet below original grade. 2 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?

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: As shown on site plan. Run trenches on contour.

ADDITIONAL NOTES: Basement Gravity service NOT proposed

Prior to installation, recommend exploratory hole dug within 50' w/ sanitarian on site. perc

Reviewer: KN

Date: 1-30-03