



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ 6/15 3 25 38

AGENCY REVIEW: _____ DATE 3/2/10

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Millers Mill Development LLC

DAYTIME PHONE 410-977-0864 CELL 410-977-0864 FAX 866-531-3596

MAILING ADDRESS 14059 High Land Road High Clarksville MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT Gary Phillips

DAYTIME PHONE 410-977-0864 CELL 410-977-0864 FAX 866-531-3596

MAILING ADDRESS 6339 Ten Oaks Road, Suite 150 Clarksville MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME NA LOT NO. _____

PROPERTY ADDRESS 2034 Millers Mill Road Glenwood
STREET TOWN/POST OFFICE

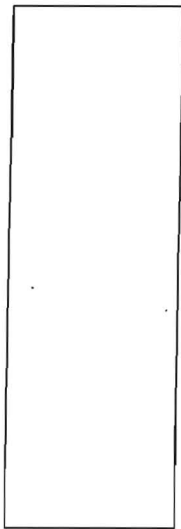
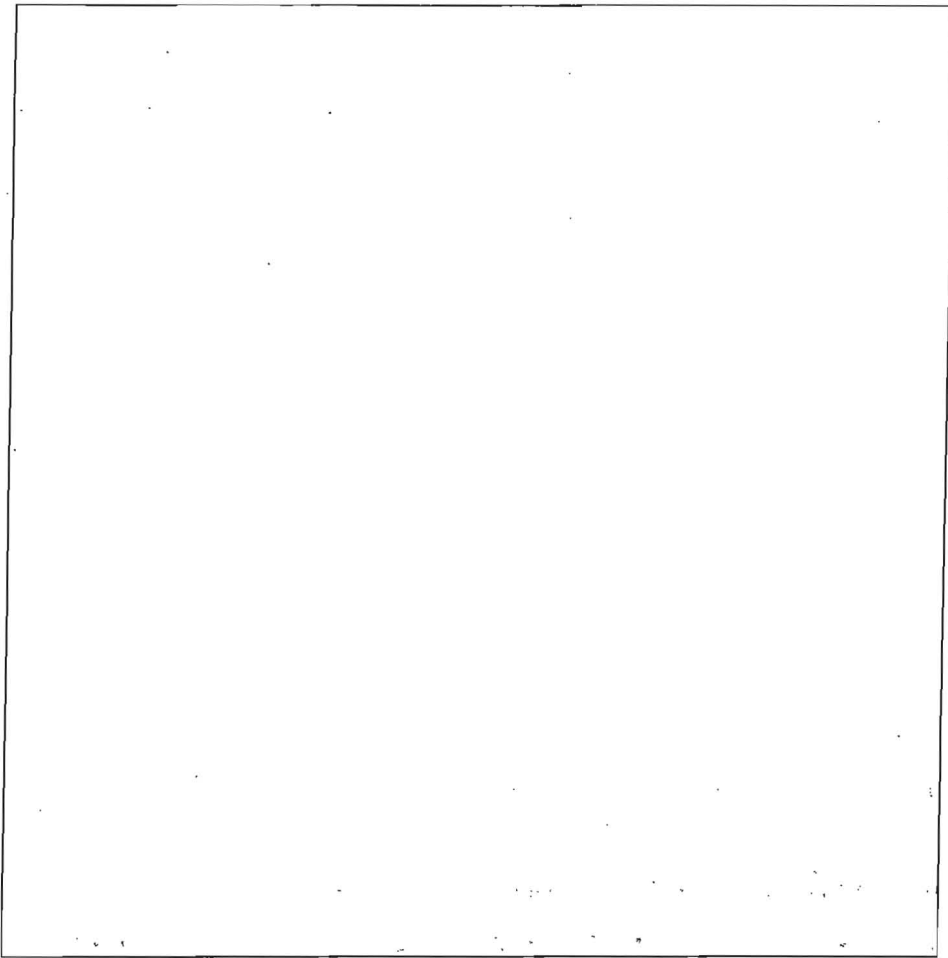
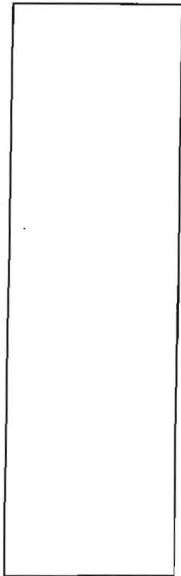
FAX MAP PAGE(S) 14 GRID 3 PARCEL(S) 22 PROPOSED LOT SIZE 1.6595

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

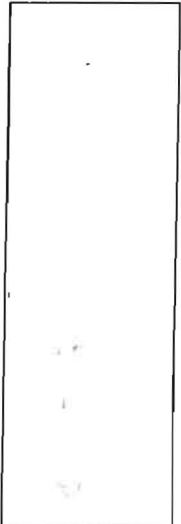
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP _____

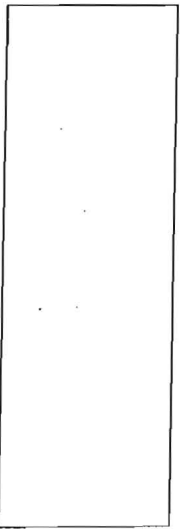


RECEIVED
WARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

2010 MR -2 PM 1:33



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H



REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

~~June 26, 2009~~

Millers Mill Development LLC
ATTN Greg Phillips
6339 Ten Oaks Road, suite 150
Clarksville, MD 21029

RE: **Percolation Test Results - 532538**
2034 Millers Mill Road

Dear Mr. Phillips:

Percolation testing conducted March 9th, 2010, on the above referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review of the property is contingent upon submission of a percolation certification plan required under *Sec 3.805 of the Howard County Code*. Enclosed are the requirements of a percolation certification plan along with common setback requirements.

During the percolation testing, our findings concluded a Gaila/glenelg soil series in the existing part of the septic area and below where the tests were performed in. Soils were of a sandy loam material in the upper layers and lower layers. The underlying element consists of soft saprolite with a high content of mica. Silt and clay content was low but the mica content causes the soil to feel slick or silty. Mica content was roughly 50% or more in B/C horizons. Rates were fairly consistent with an average percolation rate of 9 minutes per inch. These percolation areas will delineate the future septic repair area of about 10,000sq ft. These areas will be shown accordingly on the approved percolation certification plan. Your application rate was determined to be 0.8 gpd/sq. ft. These results are used to determine your future system repair area.

Our findings for your current system were also located in the field. We concluded that the system was put in the same as the as-built drawing back in 1968. You have a mid-seam, one compartment concrete septic tank with a riser on the outlet and a drywell for your subsoil absorption system. These system components will need to be sealed prior to building permit release.

Your current well on the property is a substandard well which could possibly pose a public human and environmental health threat. This conclusion was made during a site inspection of the well at the current aforementioned date. The metal casing appeared to be cracked below ground level and grout inspections were minimal. There is no apparent cap on the well which looks to be connected to some sort of a jet pump apparatus. Due to these findings, the Health Department recommends sealing the well up to prevent any

future health concerns. A new well will need to be drilled prior to any new building permit release on this property.

In closing, the findings here today will be intuitive of a percolation certification plan that will support your proposed additions.

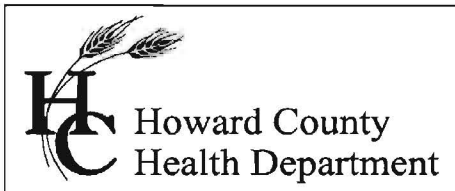
If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Wolf", with a long, sweeping horizontal stroke extending to the right.

Kevin Wolf, Sanitarian
Well & Septic Program

Cc: file



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

April 23rd, 2010

MEMORANDUM

TO: Greg Phillips

FROM: Kevin M. Wolf, Environmental Sanitarian (KMW)
Bureau of Environmental Health
Well and Septic Program

RE: 2034 Millers Mill Road
Map 14, Grid 3, Parcel 22 1.64 acres
(Demolition of Existing House to build new House)

This is to advise that the Howard County Health Department recommends issuance of the demolition permit for the above referenced property.

The existing well for this property must be sealed off by a licensed well driller. A new well site has been proposed. Documentation of well abandonment must be submitted to this office.

The existing septic system tank and drywell will need to be properly abandoned; i.e. pumped, collapsed and filled in with clean fill. A new 10,000 Sq. Ft. septic reserve area has been established.

A new septic permit will need to be obtained as well as a well inspection will be required for final approval when reconnecting to the new house. Additionally, applicable water tests for issuance of an ICOP will be needed.

Additionally, applicable water test for issuance of an Interim Certificate of Potability will be needed to have final approval from the Health Department.

KMW
Cc: Greg Phillips
File

Bernard, Dana

From: Gregory Phillips <gphillips@mred.us>
Sent: Wednesday, October 12, 2016 9:17 AM
To: Bernard, Dana; Williams, Jeffrey
Cc: Robert Oliff; Hank Kodan; Najib Roshan; Michael Hohrein; RAY DAY III
Subject: Re: Millers Mill

Importance: High

Good morning,

The permit is not showing as released in Acela by Health. ALL other agencies have released and the owner cannot pick up there building permit until your department does the same.

Would either of you please be so kind as to release the permit per the email below.

Regards,

Gregory Phillips
Maryland Real Estate Development
Direct 410.977.0864
gphillips@MRED.US

On Oct 11, 2016, at 6:22 PM, Bernard, Dana <dbernard@howardcountymd.gov> wrote:

Good Evening, Mr. Phillips,

I am very sorry for not returning your call immediately. As you know I work in the office and sometimes in the field and today was a field day. However, I have managed to review your plans and I am going to approve your BAT plan; with the condition at any time in the future a building permit is submitted to finish the area currently identified as the basement, then a septic system upgrade will be required as finishing the basement could possibly create a fifth bedroom per Howard County Code 3.801. (B). I will add a note to the building permit in Acella. Have a great evening !!!

Dana

From: Gregory Phillips [<mailto:gphillips@mred.us>]
Sent: Tuesday, October 11, 2016 4:51 PM
To: Williams, Jeffrey; Bernard, Dana
Cc: Najib Roshan
Subject: Re: Millers Mill

Jeff & Dana,

I called and left a message for Dana around 3:30 but have not heard from either of you since Jeff's email this morning. I know Dana has been working late as we have received emails from her after 6 p.m. which I appreciate.

Can either of you please let me know the status of the review. I dropped off the revised plan early on Friday after we received comments which went back and forth on Thursday. Again which I am appreciative of.

The revised plan that I dropped off early on Friday only "needed" the well number and one arrow since Jeff confirmed that the rain garden could be 50' or more from the SDA.

Just not sure where we stand. Please advise.

Regards,

Gregory Phillips
Maryland Real Estate Development
Direct 410.977.0864
gphillips@MRED.US

<image001.png>

On Oct 11, 2016, at 9:40 AM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

We were closed yesterday for the Columbus day holiday. We have the revision and Dana is reviewing it. Thanks
Jeff

From: MRED [<mailto:gphillips@mred.us>]
Sent: Tuesday, October 11, 2016 8:20 AM
To: Williams, Jeffrey; Bernard, Dana
Subject: Millers Mill

Good Morning,

Just realized you may have had the day off yesterday.

Would you please email me or call me with a plan to get the permit released on Millers Mill today.

I am going to stop by today and drop off the Folly Quarter BAT so we don't have this problem on the next go around.

Regards,

Gregory Phillips
Maryland Real Estate Development
Direct 410.977.0864
gphillips@MRED.US

<image001.png>

Maryland Real Estate Development



Transmittal

DATE: June 15, 2016 - **REVISED**

TO:

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

Gregory Phillips
Maryland Real Estate Development LLC
7846 River Rock Way
Columbia, MD 21044

gphillips@mred.us

Direct 410-977-0864

Regarding:

2034 Millers Mill Road

Revisions per your June 14, 2016 Email



From: Williams, Jeffrey jewilliams@howardcountymd.gov
Subject: RE: Millers Mill Revised Plan Per June 10, 2016 Notes
Date: June 14, 2016 at 3:21 PM
To: Gregory Phillips gphillips@mred.us
Cc: Najib Roshan roshannj@aol.com

JW

That looks fine. Thanks

From: Gregory Phillips [mailto:gphillips@mred.us]
Sent: Monday, June 13, 2016 2:15 PM
To: Williams, Jeffrey
Cc: Najib Roshan
Subject: Millers Mill Revised Plan Per June 10, 2016 Notes

Jeff,

If this is acceptable I will be happy to drop off three paper copies for signatures.

Thank you,

Gregory Phillips
Maryland Real Estate Development
Direct 410.977.0864
gphillips@MRED.US



Begin forwarded message:

From: roshannj@aol.com
Subject: Re: Aforestation Surety - HoCo Roshan Property
Date: June 13, 2016 at 2:09:31 PM EDT
To: gphillips@mred.us

Millers Mill revised perc plan attached.

Thanks

Najib Roshan, LS
NJR & Associates, LLC
2770 Route 32
West Friendship, MD 21794
PH (240) 508-3200
roshannj@aol.com

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Friday, May 06, 2016 10:31 AM
To: 'roshannj@aol.com'
Subject: Perc cert plan - millers mill development

I have reviewed the revised perc cert plan for Millers Mill Development and have the following comments for revision:

- The proposed wellbox is less than 10 feet from the existing driveway
- Move the proposed wellbox away from the existing overhead power lines (10 feet if possible).

Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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Williams, Jeffrey

From: Williams, Jeffrey
Sent: Friday, June 10, 2016 8:21 AM
To: 'Gregory Phillips'
Cc: Robert Oliff
Subject: RE: 2034 Millers Mill Rd

Given that we don't have documentation of the septic abandonment from the demo and the house is already gone, we can handle it by revising the plan to show the location of the old system as it was shown on the 2010 perc cert and add a note stating that abandonment or verification of prior abandonment of the old system will occur during installation of the new system. Also add the location of the old well and label it as abandoned. Thanks

Jeff

From: Gregory Phillips [<mailto:gphillips@mred.us>]
Sent: Thursday, June 09, 2016 10:16 AM
To: Williams, Jeffrey
Cc: Robert Oliff
Subject: Re: 2034 Millers Mill Rd

Jeff,

Joe Mayne drilled the well on June 7, 2016, and did the well yield test and old well abandonment the next day on June 8, 2016. His written certification of both will be hand delivered to your office as soon as I received the originals by regular mail from Mayne office.

As far as the septic abandonment goes, and as best as I can recall, we provided a copy of the septic pumping prior to the approval of the demo permit by HoCo Health and did the abandonment as part of the actual demo of the former structure.

I don't know what I could provide you today, so many years after the fact, but am happy to comply in any and all regards.

Let me know if I need to meet someone out at the site or if you want a certification note place on the revised plan.

Regards,

Gregory Phillips
Maryland Real Estate Development
Direct 410.977.0864
gphillips@MRED.US



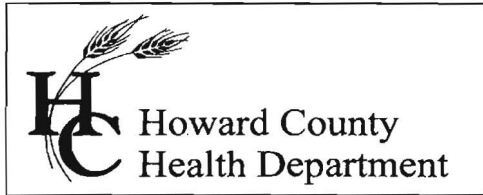
On Jun 9, 2016, at 8:19 AM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

In reviewing the perc cert and the file for this property, I realized that the old perc cert from 2010 showed the existing well and septic system for the existing house to be abandoned. I see in our file the demo release form from our office to demolish the old house. That release states that the well and septic system had not already been abandoned, but were to be abandoned moving forward and that documentation must be delivered to our office. I do not see a well abandonment report or documentation of septic abandonment in the file. Were they abandoned already and do you have documentation that you could send to me? If they have not yet been abandoned, we will need to see those components on the current perc cert proposal with a note stating that they must be properly abandoned with documentation delivered to our Department prior to building permit approval for a new house. Sorry I did not catch this on the previous review. I had thought they were already abandoned. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

MEMORANDUM

TO: Greg Phillips
Millers Mill Development, LLC

FROM: Kevin Wolf, Environmental Sanitarian 
Well and Septic Program
Groundwater Management Section

RE: 2034 Millers Mill Road
Percolation Certification Plan

DATE: April 1st, 2010

The following comments apply to the above referenced plan. Please revise and resubmit along with the following actions:

- ✓ • The site plan needs a description title or a purpose statement for the project.
- ✓ • Please Revise the SRA to extend 10' from the back property line up to passing perc test 4, over to passing perc test 3, and straight down to passing perc test 8a.
- ✓ • Perc test 8 is a failed hole and should be noted as such (i.e. different symbol)
- ✓ • Please add the comment "prior to building permit release, the existing septic tank and drywell will be pumped abandoned and a new system is to be installed in the approved SRA."
- ✓ • Note number 1 should read: "All wells to be drilled prior to building permit release."
- ✓ • Add the holes that were not tested and denote them as such (i.e. different symbols)
- ✓ • Please note is if the existing sheds are to remain. Add this on the plan.
- ✓ • Please submit 3 copies of the Percolation Certification Plan to the Health Department not 2.
- ✓ • Need to show a new house footprint on the plan meeting all the current setbacks to well and septic components. (house to septic reserve area is 20', house to well/well box is 30')

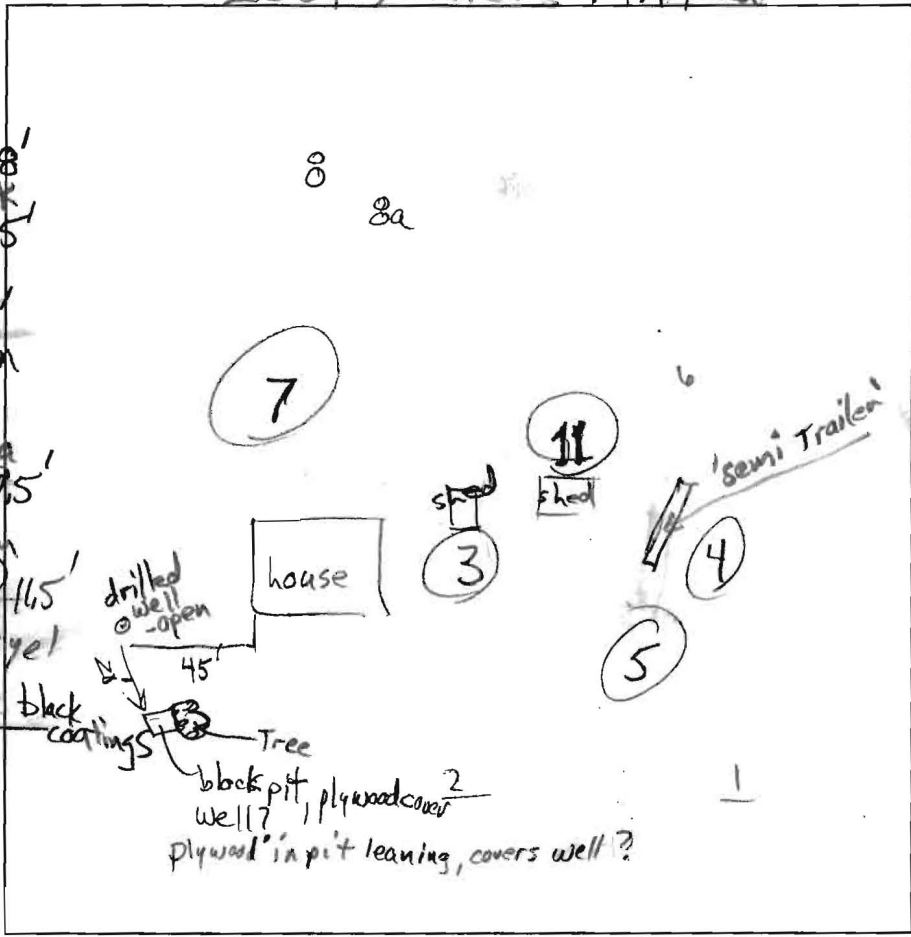
- ✓ • Please add the note “Any changes to a private sewage area shall require a revised perc certification plan.”
- ✓ • Please add to note 3 “...and those wells within 200’ down gradient of existing or proposed septic systems or sewage disposal areas have been shown.
- There was talk of proposing an Advanced Pretreatment system to the new dwelling. If such process is to occur, please add the note to the perc cert: “An advanced pre-treatment system, which utilizes BAT (best available technology) to perform nitrogen reduction, may be installed on the septic system located the above aforementioned property by the builders/homeowner’s consent. If so, a supplemental site plan with all of the necessary details for installation of the system will be required prior to the release of the building permit (if applicable) and septic system installation permit. In addition, an operation and maintenance contract agreement must be filed with Howard County Land Records within 60 days of plat recordation

Please feel free to call me and discuss any of these comments. My number is 410-313-2645. Thanks for your cooperation.

KW
C.C. NJR and Associates Land Surveying

2034 Millers Mill Rd.

AP F32578



(7)
 dk brn loam 2fg 0.8'
 brn scl 2fsbk 3.5'
 variegated loam, sm 4'
 red brn & lt brn red-yel fsl saprolite many fine mica 9.5'
 pale yel & pale brn loam w/ black (2D) 11.5'
 yel-red w/ pale yel few stones dense, massive black coatings 12'
 hard

(5)
 dk brn loam, 2fg 0.8'
 yel-red 20% st scl, 1fsbk 10.4'
 yel-red 1st scl 5.5'
 5.5' - 10.4'

(11)
 dk brn loam 0.8'
 red-yel scl 2fsbk 2'
 yel brn & yel-red loam 3'
 yel-red w/ pale yellow sl many mica few stones 6'
 1st scl yel-red & brn 35% - 40% 11.5'
 hard

(3)
 dk brn loam 2fg 0.7'
 yel-red scl 1fsbk 10% gravel 2.5'
 red & yel brn loam sm 4'
 red & tan fsl sm many fine mica 10'
 red & yellow sl 2opl pale yellow 14'
 fsl

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H	
3/9/10	7	11.5'	Visual	Moderate	rate 4'	to 11.5'	P	
3/9/10	11	5.5' / 11.5'	12:25	12:27	12:34	7'	P	
	5	Visual	refusal	at 3.5'			F	
3/9/10	3	14'	Visual	Moderate	rate 4'	to 10.4'	P	
	#6	Too near to #11 to dig						

REMARKS #6 Did not dig; #1 did not dig; #2 did not dig
 SANITARIAN RB/KW BACKHOE Garland OTHERS Greg Phillips
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Sara Sappington

From: Gregory Phillips [gphillips@mris.com]
Sent: Thursday, February 04, 2010 9:21 AM
To: Sara Sappington
Cc: Gregory Phillips
Subject: 2034 Millers Mill Road Demolition Request Letter

Ms. Sappington,

It was good to see you this morning when I dropped off the information for the demolition permit for the following address:

2034 Millers Mill Road
Cooksville, MD 21723

The subject property is 1.64 acres and contains a single family home built in the late 1960's that includes approximately 1,280 s.f. in size. The new owner of the property plans to construct a new home in the future so a percolation plat will be submitted at a later time.

We had expected to handle this matter as a walk through today and were surprised to learn that the process is not the same as a building permit. With that said could you please let me know when you might be able to reply to our request so I can reschedule the contractor. If possible I would appreciate it if you could reply to me by email.

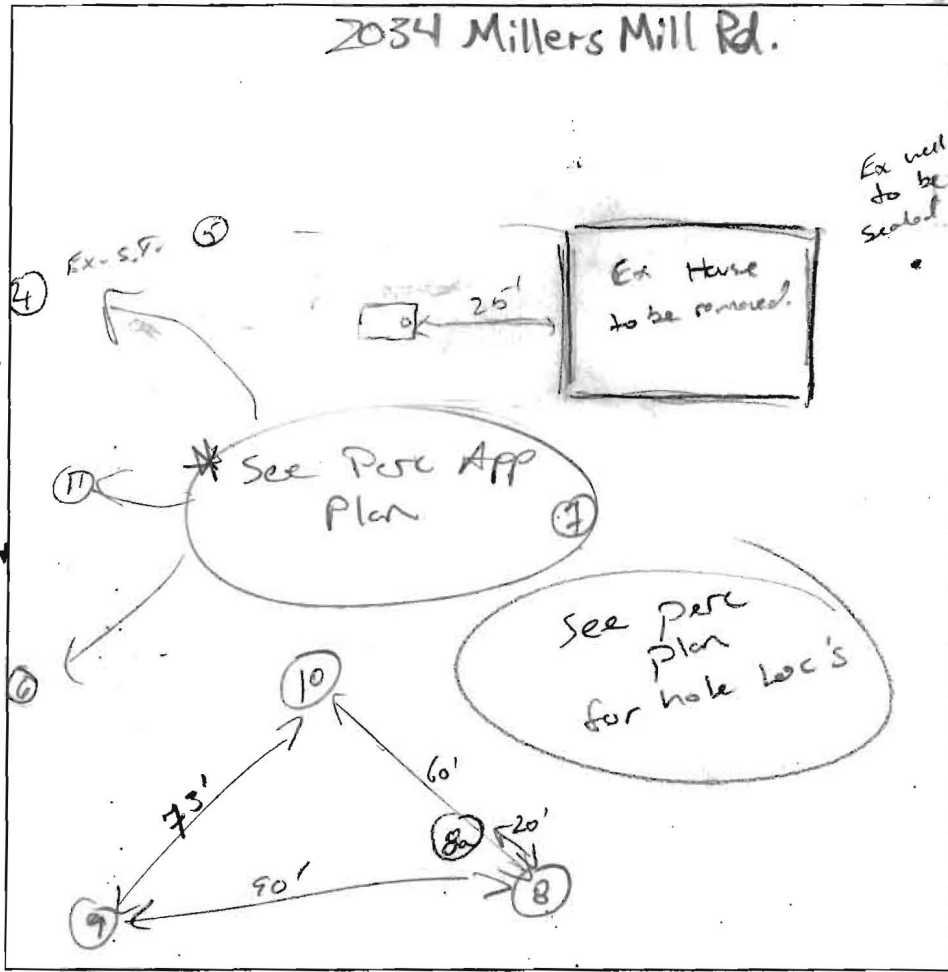
Thanks again in advance for your speedy reply to this matter.

Gregory Phillips
410.977.0864
gphillips@mris.com

- ^{Ex.} System will need to be abandoned. 40 yrs old.
Drywell and tank is not properly sized.
- well? Keeping it?

632538
A/P 10

2034 Millers Mill Rd.



10" Organic S.L.
comb structure
Loam/light Br.
WK, fine, roots
many fine mica

3-4' VF SL, Br/Y R/L
very fine,
many fine mica
common clay
films on peels.
smooth boundary

6' Y/R/Br SL
massive,
friable,
weathered mica
chert, Mnaceous,
no Rx

11" Om, leaf litter
many roots

CL, Br/Y
many roots
SDK, friable,
CW, 5% schist
chert.

4' VFSL, li Br/Y
few mica,
distinct boundary
massive,
dry consistency
Macaceous.

8-10' LS.
10% schist chert
massive, very
friable

4.5' Fill

SL, Saprolite
15% chert
very micaceous
lithochromic
moderate

R/Y/B
10% Rx, Frag

8" Om, many
roots, granular

CL, Br/Y
CW, WSOK
5% Rx
WK thick plates

4' VFSL, Friable.
Few mica,
massive
smooth boundary

9-10' SL, Br/Y R/L
5% Rx, Frag
↓ increasing in
depth

12' CL, loose granular
many roots

8" Br/Y CL
peeling to SCL
WSOK, Friable

2.5' 10am, Om
brn fls
some clay 30%

6' FSL, Friable,
massive,
yel-red
w/ black (c2d)
& white
& pale yel
(m. 1 d)

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
3/9/10	10	4' / 13.5'	10:21	10:28	10:27	9	P
	9	4' / 14'	10:58	11:08	11:19	11	P
	8	4.5' of fill. moderate perc below 5'					
	8a	4' 8" / 14'	11:58	12:05	12:16	11	P
3/9/10	4	7' / 14'	1:01	1:04	1:10	6	P

H₂O poured @ bottom of hole & < 5 mins

REMARKS Holes dug per plan except hole 8 -> 8a

SANITARIAN K. Wolf BACKHOE Garland OTHERS Builder / Dale w/ E. Brn

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

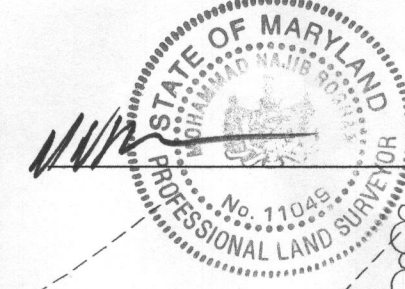
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

LEGEND

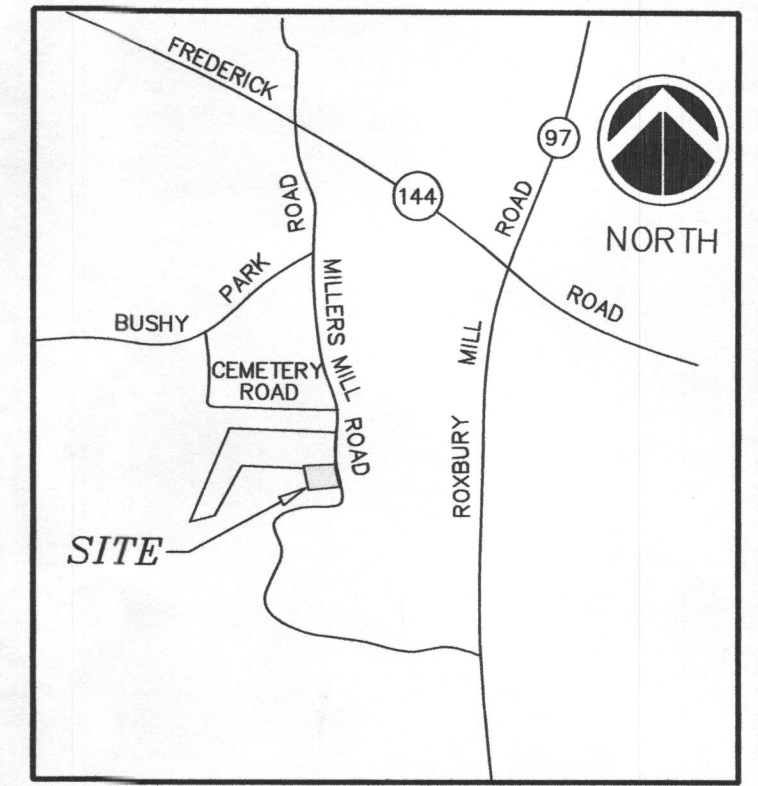
- STREET SIGN
- WATER WELL
- POST
- POWER POLE
- × GUY WIRE
- ⊕ TELEPHONE PEDESTAL
- ⊕ ELECTRIC TRANSFORMER
- ⊕ DECORATIVE BUSH
- ⊕ EDGE OF WOODED AREA
- ⊕ OVERHEAD WIRES
- 9 ⊕ PROPOSED PERCOLATION TEST LOCATION

THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
PARCEL 22
TAX MAP 14, GRID 3
LIBER 10814, FOLIO 450
FORTH ASSESSMENT DISTRICT
HOWARD COUNTY, MARYLAND

SURVEYOR'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAT IS BASED UPON AN ACTUAL FIELD RUN SURVEY AND TO THE BEST OF MY INFORMATION, PROFESSIONAL KNOWLEDGE AND BELIEF, IT IS CORRECT AND IS A TRUE REPRESENTATION OF THE FIELD CONDITIONS.



02/24/10
DATE



VICINITY MAP
 SCALE: 1" = 2000'

N 600000
E 1304800

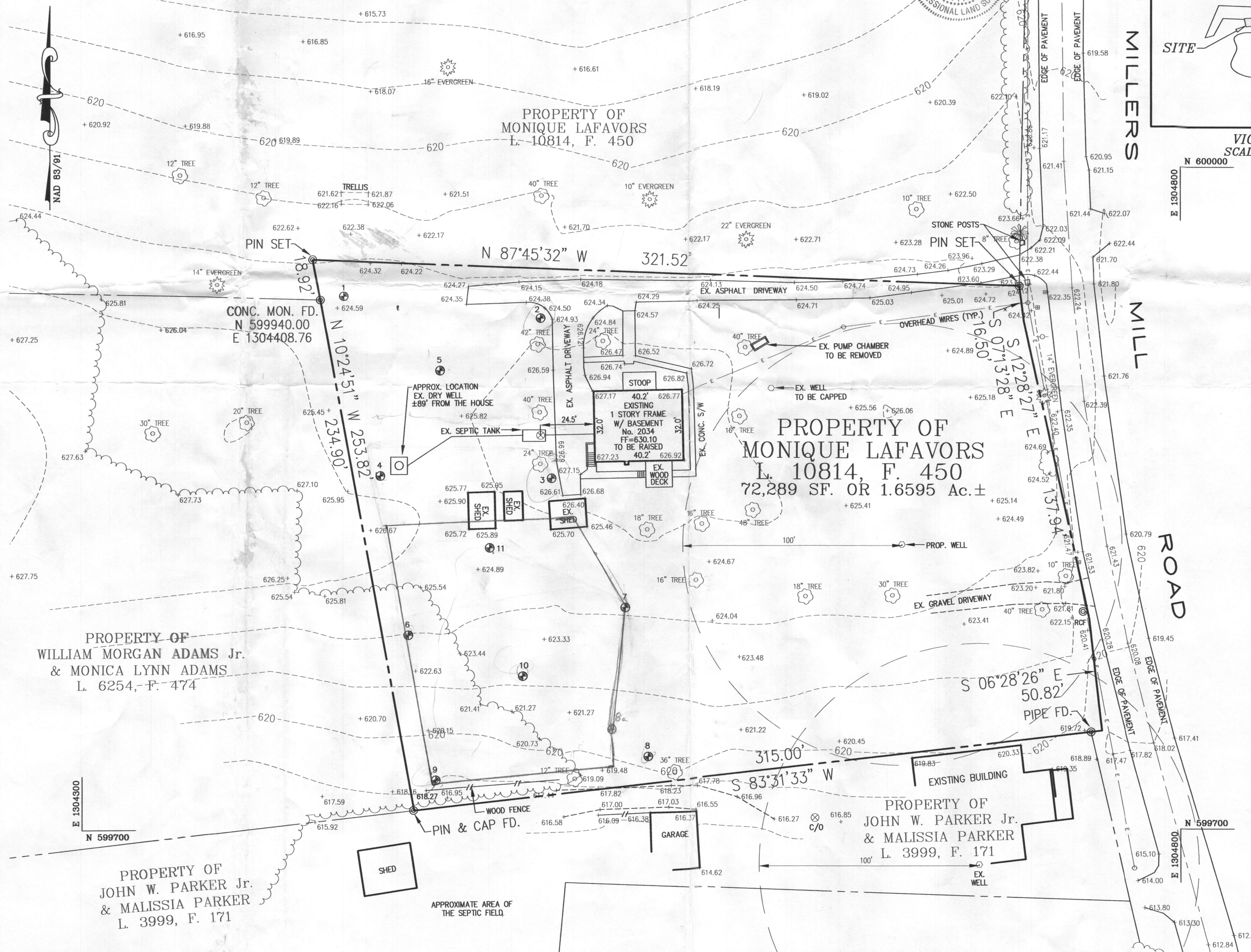
PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 1813 MONTEVIDEO ROAD
 JESSUP, MARYLAND 20794
 TEL: (240) 508-3200
 FAX: (410) 799-8083

REVISIONS

GRAPHIC SCALE 1"=30'

DATE: JAN. 16, 2010
 JOB NUMBER: 2942
 FILE NUMBER: 2942TOPO
 PLOTTED: JAN. 20, 2010
 DRAWN BY: NR

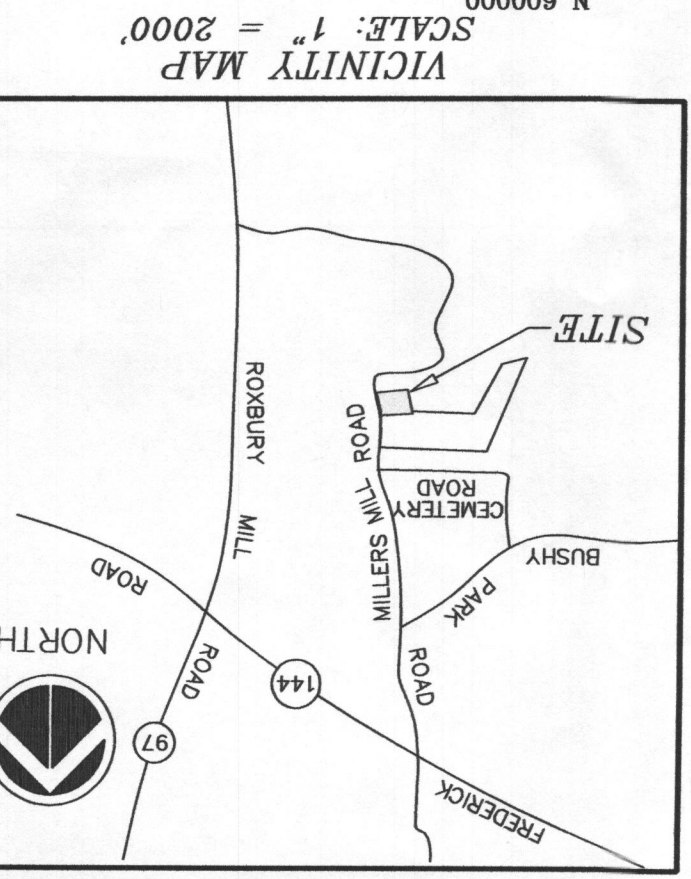
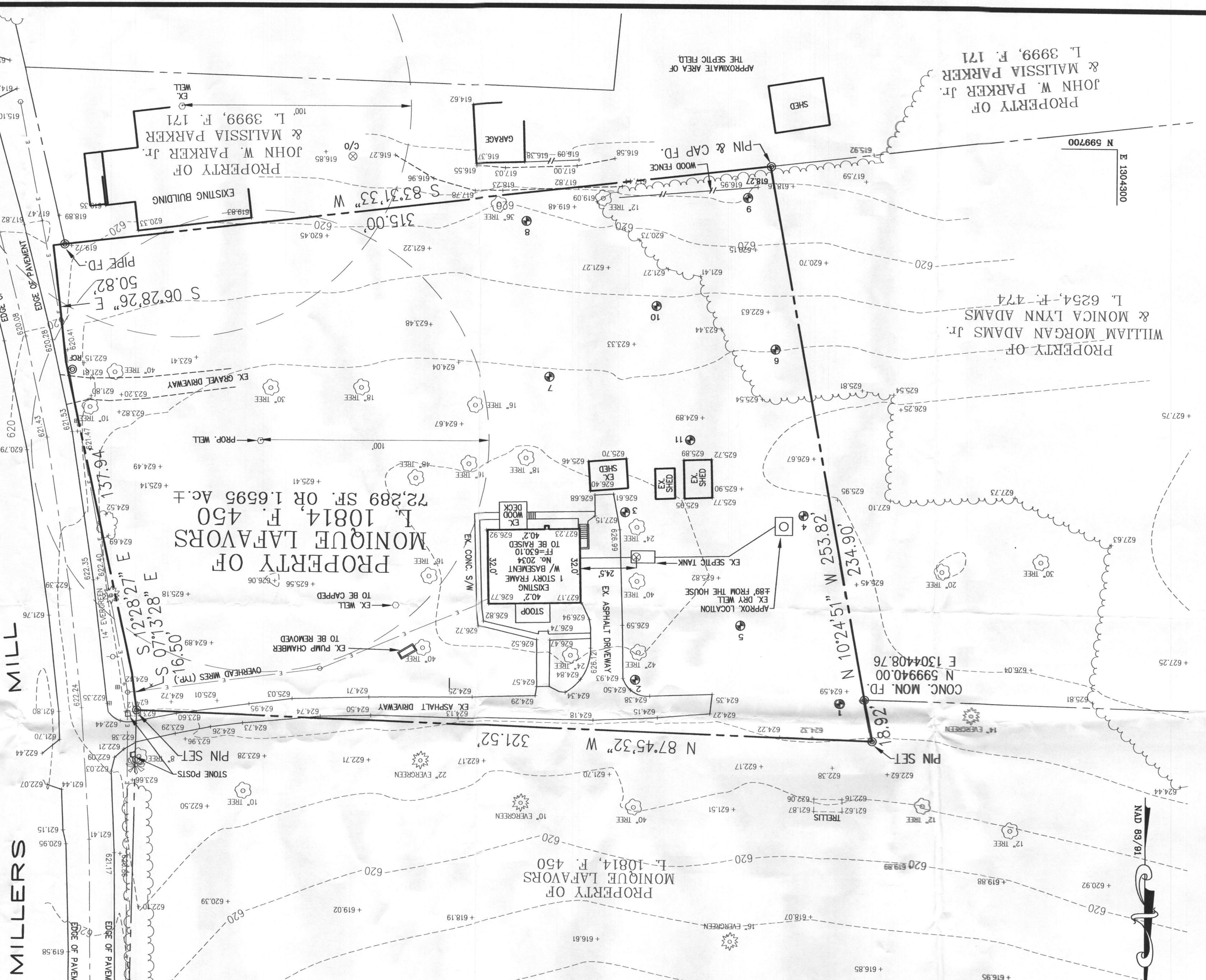
DEMOLITION PLAN AND PERCOLATION SHEET
 1 OF 1



- LEGEND
- STREET SIGN
 - WATER WELL
 - POST
 - POWER POLE
 - × GUY WIRE
 - ⊠ TELEPHONE PEDESTAL
 - ⊠ ELECTRIC TRANSFORMER
 - ⊠ DECORATIVE BUSH
 - ⊠ EDGE OF WOODED AREA
 - ⊠ OVERHEAD WIRES
 - ⊠ PROPOSED PERCOLATION TEST LOCATION

THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
 PARCEL 22
 TAX MAP 14, GRID 3
 LIBER 10814, FOLIO 450
 FORTH ASSESSMENT DISTRICT
 HOWARD COUNTY, MARYLAND

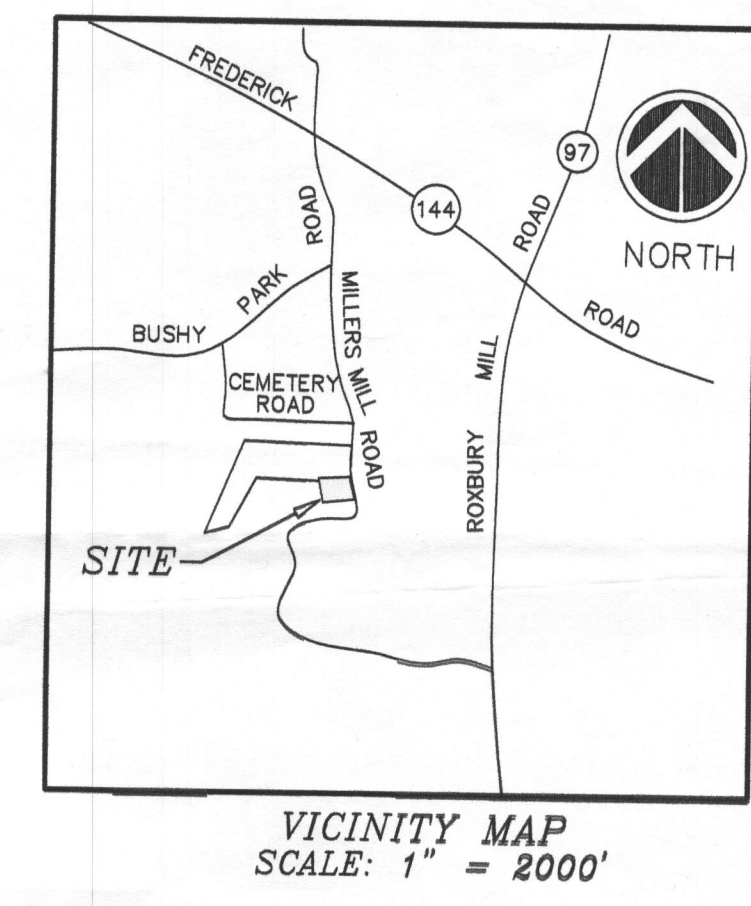
SURVEYOR'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAT IS BASED UPON AN ACTUAL FIELD RUN SURVEY AND TO THE BEST OF MY INFORMATION, PROFESSIONAL KNOWLEDGE AND BELIEF, IT IS CORRECT AND IS A TRUE REPRESENTATION OF THE FIELD CONDITIONS.
 DATE 02/24/10



PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 1813 MONTVERDE ROAD
 JESSUP, MARYLAND 20794
 TEL: (240) 508-3200
 FAX: (410) 799-9093

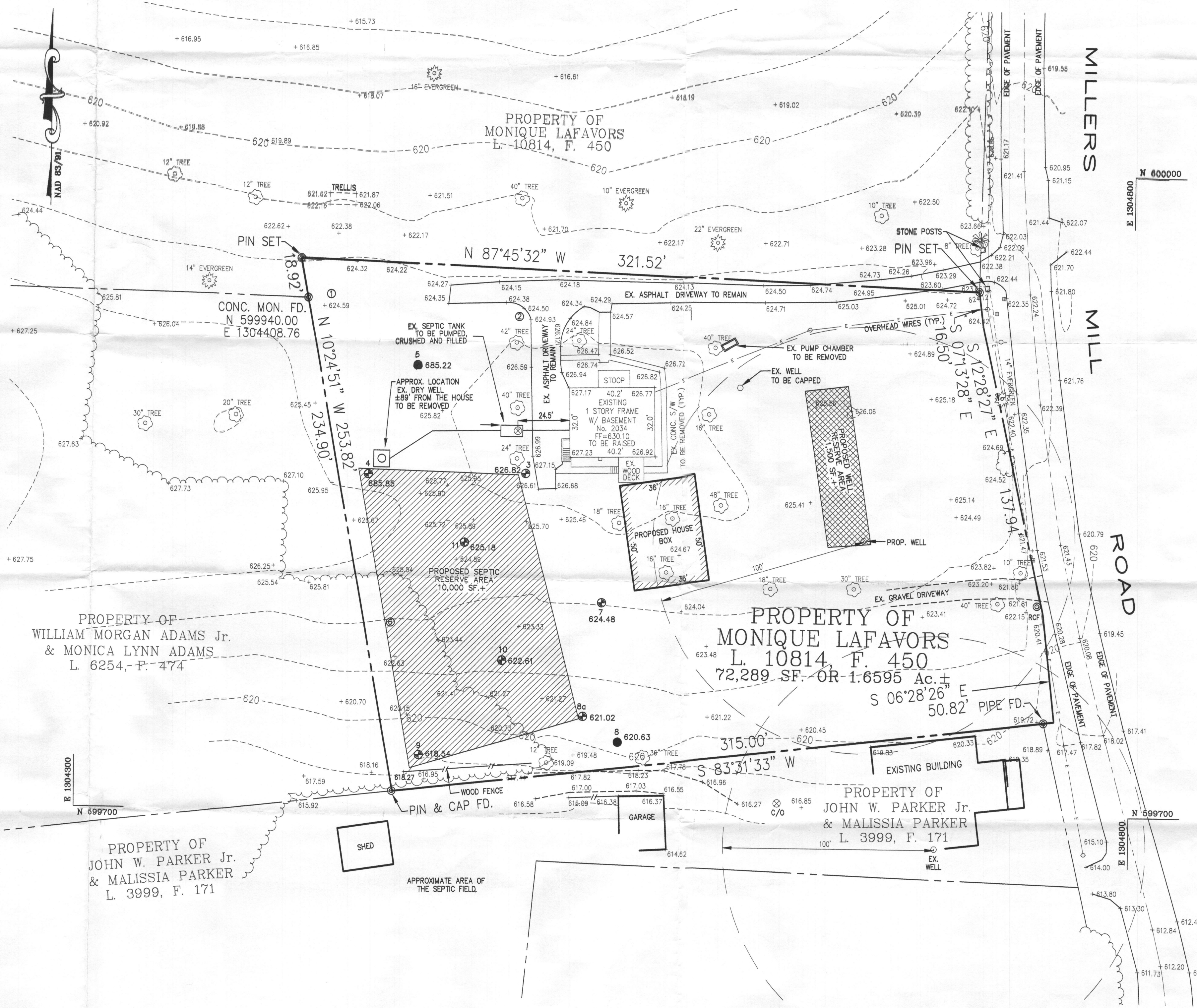
REVISIONS

DATE: JAN. 16, 2010
 JOB NUMBER: 2942
 FILE NUMBER: 2942TOPO
 PLOTTED: JAN. 20, 2010
 DRAWN BY: NR
 DEMOLITION PLAN AND PERCOLATION
 SHEET 1 OF 1



PERCOLATION CERTIFICATION PLAN
THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
 PARCEL 22
 TAX MAP 14, GRID 3
 LIBER 10814, FOLIO 450
 FORTH ASSESSMENT DISTRICT
 HOWARD COUNTY, MARYLAND

- LEGEND**
- STREET SIGN
 - WATER WELL
 - POST
 - POWER POLE
 - GUY WIRE
 - TELEPHONE PEDESTAL
 - ELECTRIC TRANSFORMER
 - DECORATIVE BUSH
 - EDGE OF WOODED AREA
 - OVERHEAD WIRES
 - PASSING PERCOLATION TEST LOCATION
 - FAILED PERCOLATION TEST LOCATION
 - PROPOSED PERCOLATION TEST LOCATION NOT TESTED



SURVEYOR'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAT IS BASED UPON AN ACTUAL FIELD RUN SURVEY AND TO THE BEST OF MY INFORMATION, PROFESSIONAL KNOWLEDGE AND BELIEF, IT IS CORRECT AND IS A TRUE REPRESENTATION OF THE FIELD CONDITIONS.

Moh
 STATE OF MARYLAND
 PROFESSIONAL LAND SURVEYOR
 No. 110419
 DATE 04/19/10

PURPOSE STATEMENT:
 THE PURPOSE OF THIS PLAN IS TO OBTAIN PERMITS FOR THE DEMOLITION OF THE EXISTING HOUSE, REMOVAL OF THE EXISTING WELL AND SEPTIC SYSTEM AND THE ESTABLISHMENT OF THE NEW WELL AND SEPTIC RESERVE AREAS TO SERVE THE PROPOSED SINGLE FAMILY DWELLING.

- NOTES:**
1. ALL WELLS TO BE DRILLED PRIOR TO THE THE BUILDING PERMIT RELEASE.
 2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
 3. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF PROPERTY BOUNDARY AND THOSE WELLS WITHIN 200 FEET DOWN GRADING OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
 4. PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED.
 5. EXISTING HOUSE ON THIS PROPERTY IS TO BE RAISED.
 6. EXISTING WELL ON THIS PROPERTY IS TO BE PROPERLY CAPPED AS PER HOWARD COUNTY HEALTH DEPARTMENT REGULATIONS.
 7. PRIOR TO BUILDING PERMIT RELEASE, THE EXISTING SEPTIC TANK AND DRYWELL IS TO BE PUMPED, ABANDONED A NEW SYSTEM IS TO BE INSTALLED IN THE APPROVED SRA.
 8. ANY CHANGE TO PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 9. THIS PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY THE UNDERSIGNED ON JANUARY OF 2010.

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF A MINIMUM OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

PLAN VIEW
 SCALE: 1" = 30'

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

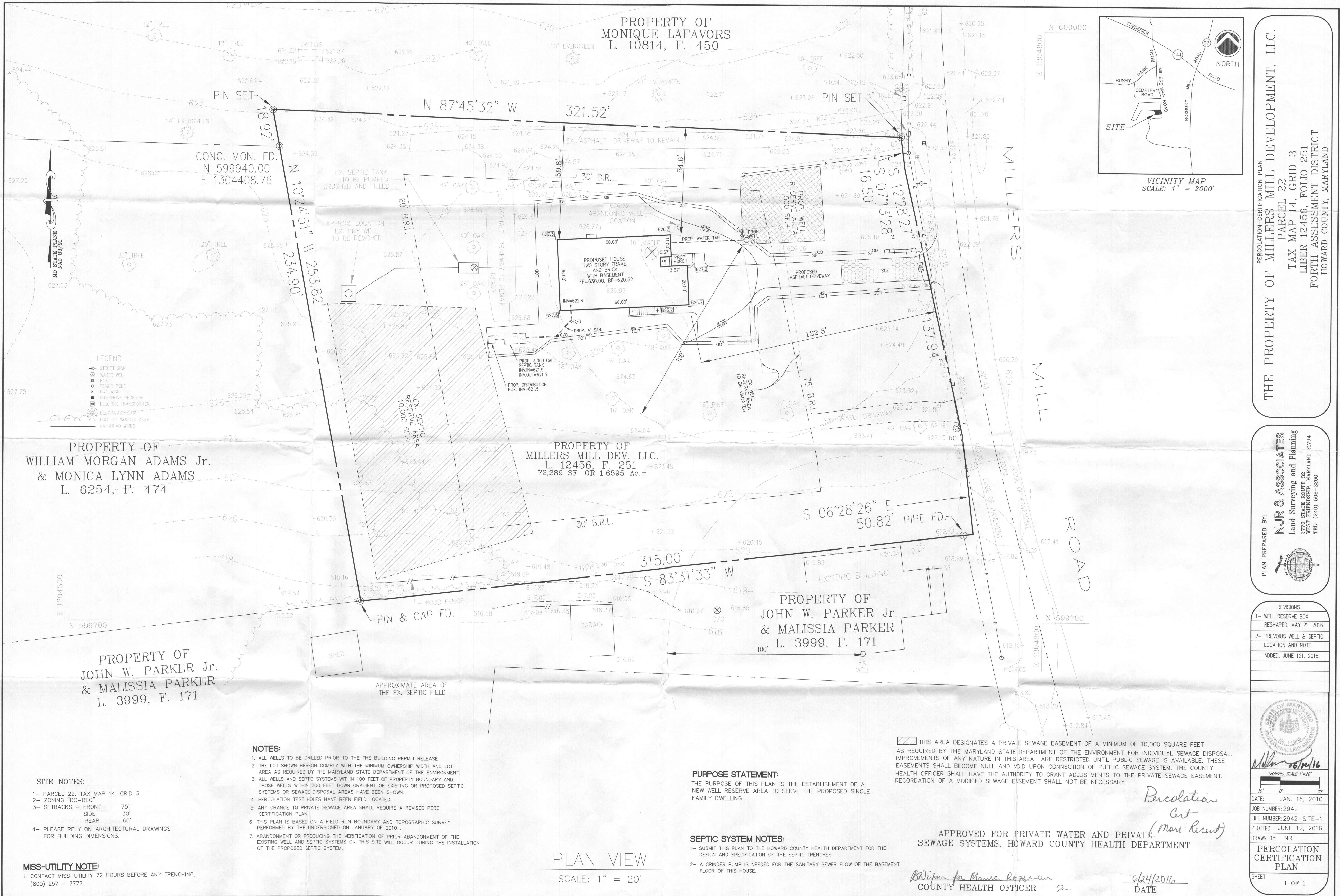
Benjamin Peter Brilman
 COUNTY HEALTH OFFICER

4/28/2010
 DATE

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 1813 MONTVERDE BLVD.
 JESSUP, MARYLAND 20794
 TEL: (410) 795-0089
 FAX: (410) 795-0083

REVISIONS
 1- REVISED AS PER HEALTH DEPT. COMMENTS OF 04/01/10

GRAPHIC SCALE 1"=30'
 DATE: JAN. 16, 2010
 JOB NUMBER: 2942
 FILE NUMBER: 2942TOPO
 PLOTTED: APR. 10, 2010
 DRAWN BY: NR
PERCOLATION CERTIFICATION PLAN
 SHEET 1 OF 1

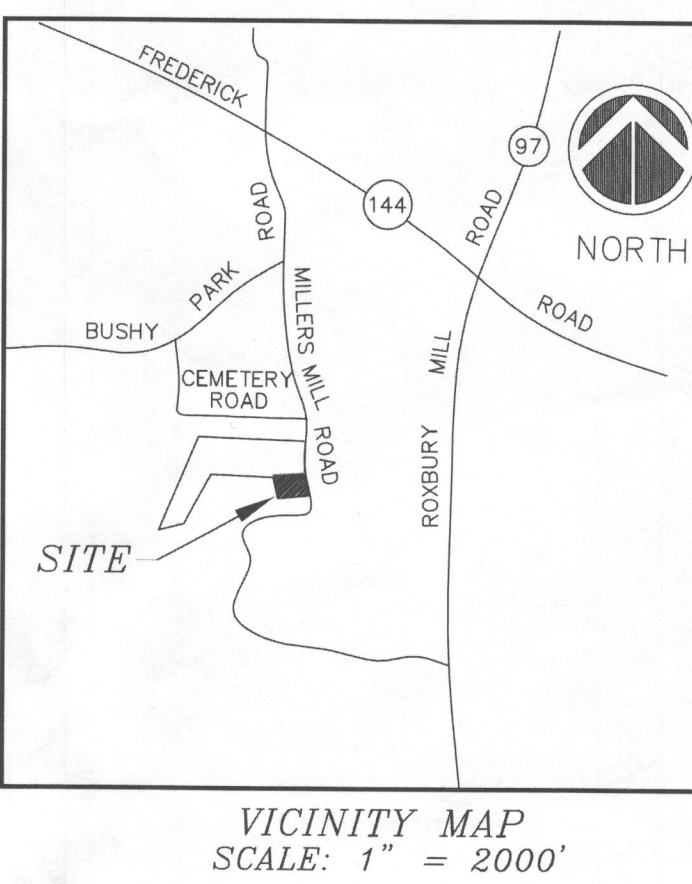


PROPERTY OF
MONIQUE LAFAVORS
L. 10814, F. 450

PROPERTY OF
WILLIAM MORGAN ADAMS Jr.
& MONICA LYNN ADAMS
L. 6254, F. 474

PROPERTY OF
MILLERS MILL DEV. LLC.
L. 12456, F. 251
72,289 SF. OR 1.6595 Ac.±

PROPERTY OF
JOHN W. PARKER Jr.
& MALISSIA PARKER
L. 3999, F. 171



VICINITY MAP
SCALE: 1" = 2000'

PERCOLATION CERTIFICATION PLAN
THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
PARCEL 22
TAX MAP 14, GRID 3
LIBER 12456, FOLIO 251
FOURTH ASSESSMENT DISTRICT
HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
Land Surveying and Planning
2770 STATE ROUTE 32
PARKLAND, MARYLAND 21764
TEL: (240) 508-3200

REVISIONS	
1-	WELL RESERVE BOX RESHAPED, MAY 21, 2016.
2-	PREVIOUS WELL & SEPTIC LOCATION AND NOTE ADDED, JUNE 12, 2016.



DATE:	JAN. 16, 2010
JOB NUMBER:	2942
FILE NUMBER:	2942-SITE-1
PLOTTED:	JUNE 12, 2016
DRAWN BY:	NR
PERCOLATION CERTIFICATION PLAN	
SHEET	1 OF 1

- NOTES:**
- ALL WELLS TO BE DRILLED PRIOR TO THE THE BUILDING PERMIT RELEASE.
 - THE LOT SHOWN HEREOF COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
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 - PERCOLATION TEST HOLES HAVE BEEN FIELD LOCATED.
 - ANY CHANGE TO PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 - THIS PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY THE UNDERSIGNED ON JANUARY OF 2010.
 - ABANDONMENT OR PRODUCING THE VERIFICATION OF PRIOR ABANDONMENT OF THE EXISTING WELL AND SEPTIC SYSTEMS ON THIS SITE WILL OCCUR DURING THE INSTALLATION OF THE PROPOSED SEPTIC SYSTEM.

- SITE NOTES:**
- PARCEL 22, TAX MAP 14, GRID 3
 - ZONING "RC-DEO"
 - SETBACKS - FRONT 75'
SIDE 30'
REAR 60'
 - PLEASE RELY ON ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

MISS-UTILITY NOTE:
1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,
(800) 257 - 7777.

PURPOSE STATEMENT:
THE PURPOSE OF THIS PLAN IS THE ESTABLISHMENT OF A NEW WELL RESERVE AREA TO SERVE THE PROPOSED SINGLE FAMILY DWELLING.

SEPTIC SYSTEM NOTES:
1- SUBMIT THIS PLAN TO THE HOWARD COUNTY HEALTH DEPARTMENT FOR THE DESIGN AND SPECIFICATION OF THE SEPTIC TRENCHES.
2- A GRINDER PUMP IS NEEDED FOR THE SANITARY SEWER FLOW OF THE BASEMENT FLOOR OF THIS HOUSE.

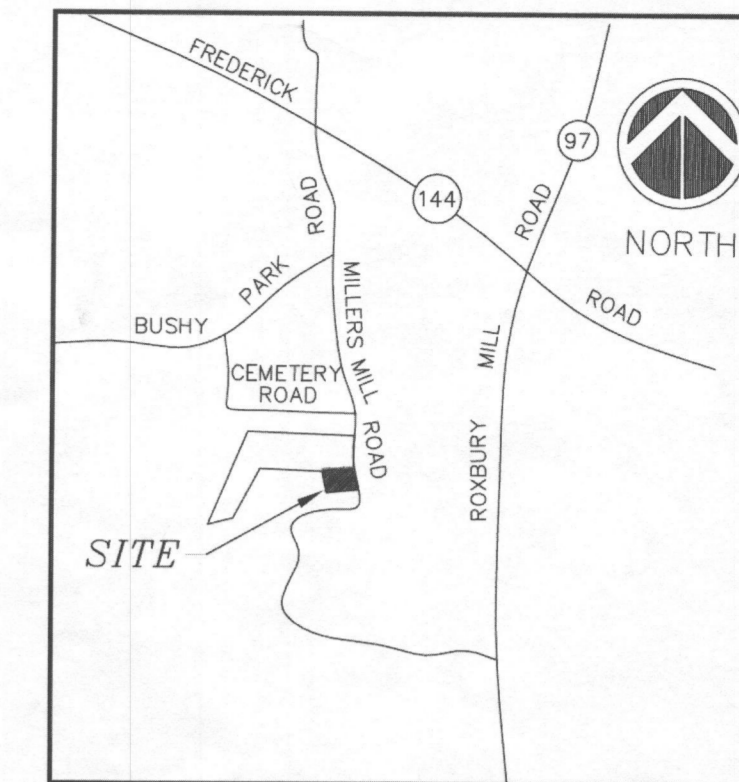
THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF A MINIMUM OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Written for Mauree Rogers on
COUNTY HEALTH OFFICER *su*

Percolation Cert (More Recent)
DATE *6/24/2016*

PLAN VIEW
SCALE: 1" = 20'



VICINITY MAP
SCALE: 1" = 2000'

PERCOLATION CERTIFICATION PLAN
THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
 PARCEL 22
 TAX MAP 14, GRID 3
 LIBER 12456, FOLIO 251
 FORTH ASSESSMENT DISTRICT
 HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 92
 GREENBELT, MARYLAND 21794
 TEL. (240) 500-0200

SURVEYOR'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAT IS BASED UPON AN ACTUAL FIELD RUN SURVEY AND TO THE BEST OF MY INFORMATION, PROFESSIONAL KNOWLEDGE AND BELIEF, IT IS CORRECT AND IS A TRUE REPRESENTATION OF THE FIELD CONDITIONS.

William 04/25/16
 DATE

PURPOSE STATEMENT:
 THE PURPOSE OF THIS PLAN IS THE ESTABLISHMENT OF A NEW WELL RESERVE AREAS TO SERVE THE PROPOSED SINGLE

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF A MINIMUM OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION OF PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

- NOTES:**
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 6. THIS PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY THE UNDERSIGNED ON JANUARY OF 2010 .

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER

DATE

PLAN VIEW
 SCALE: 1" = 30'

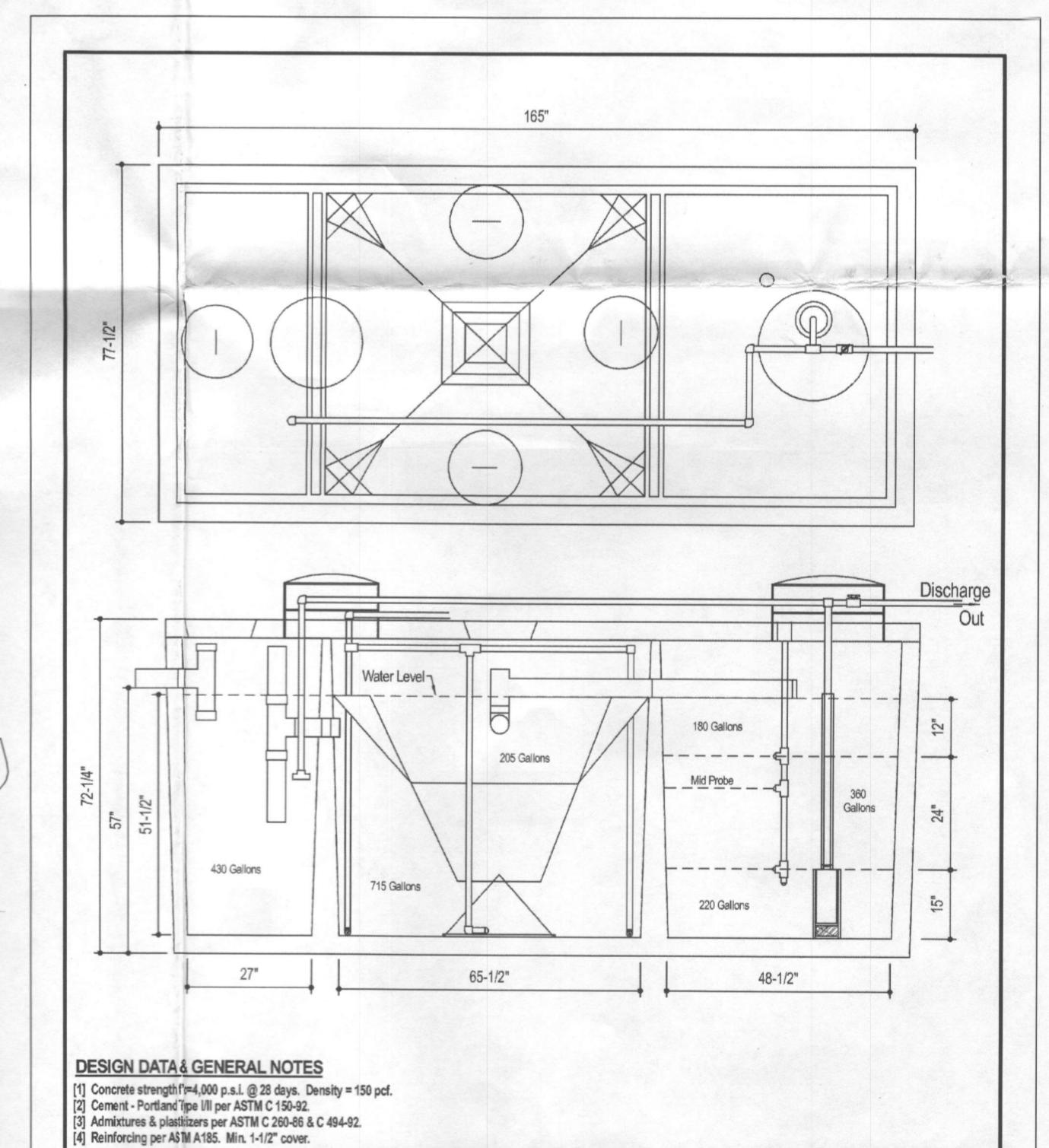
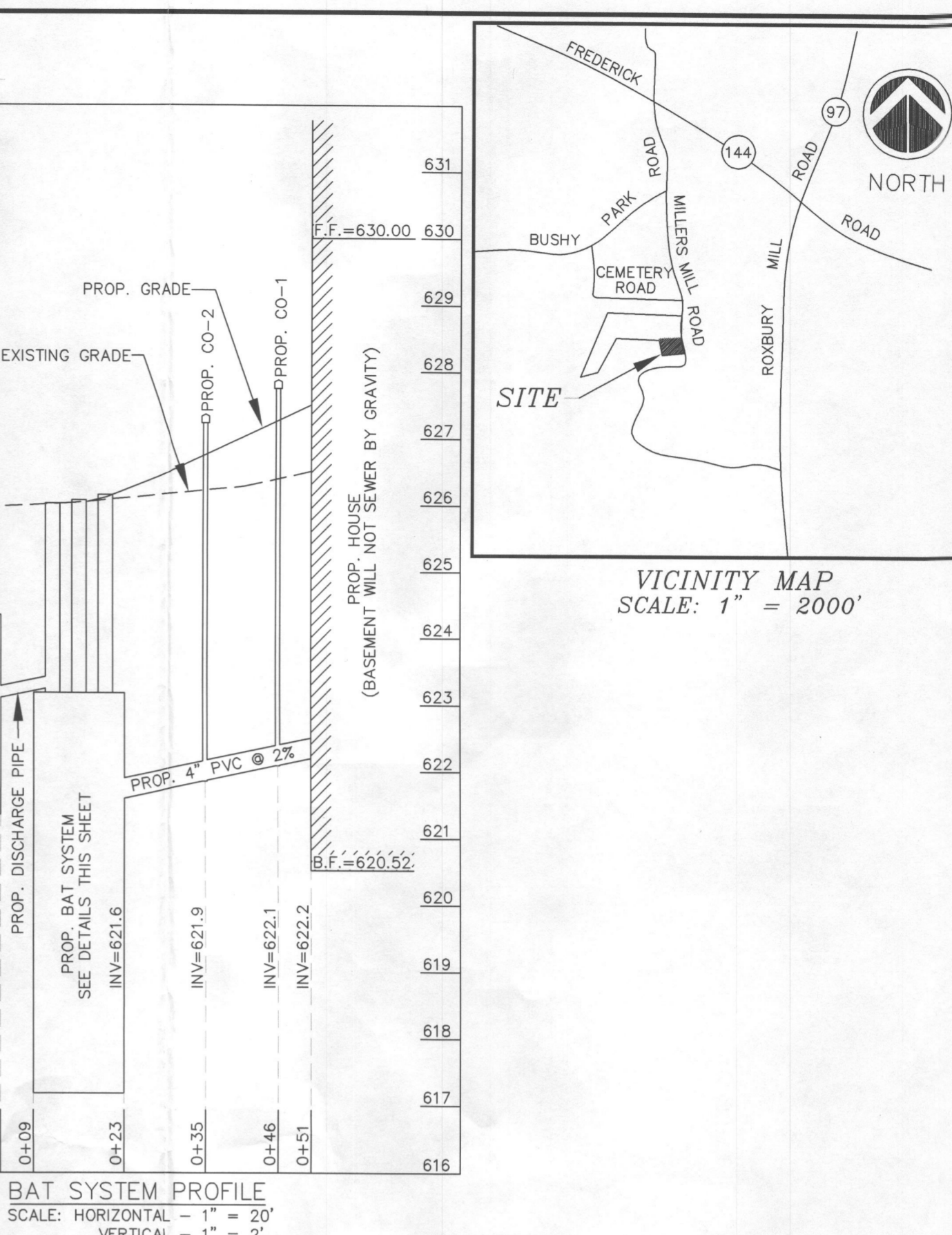
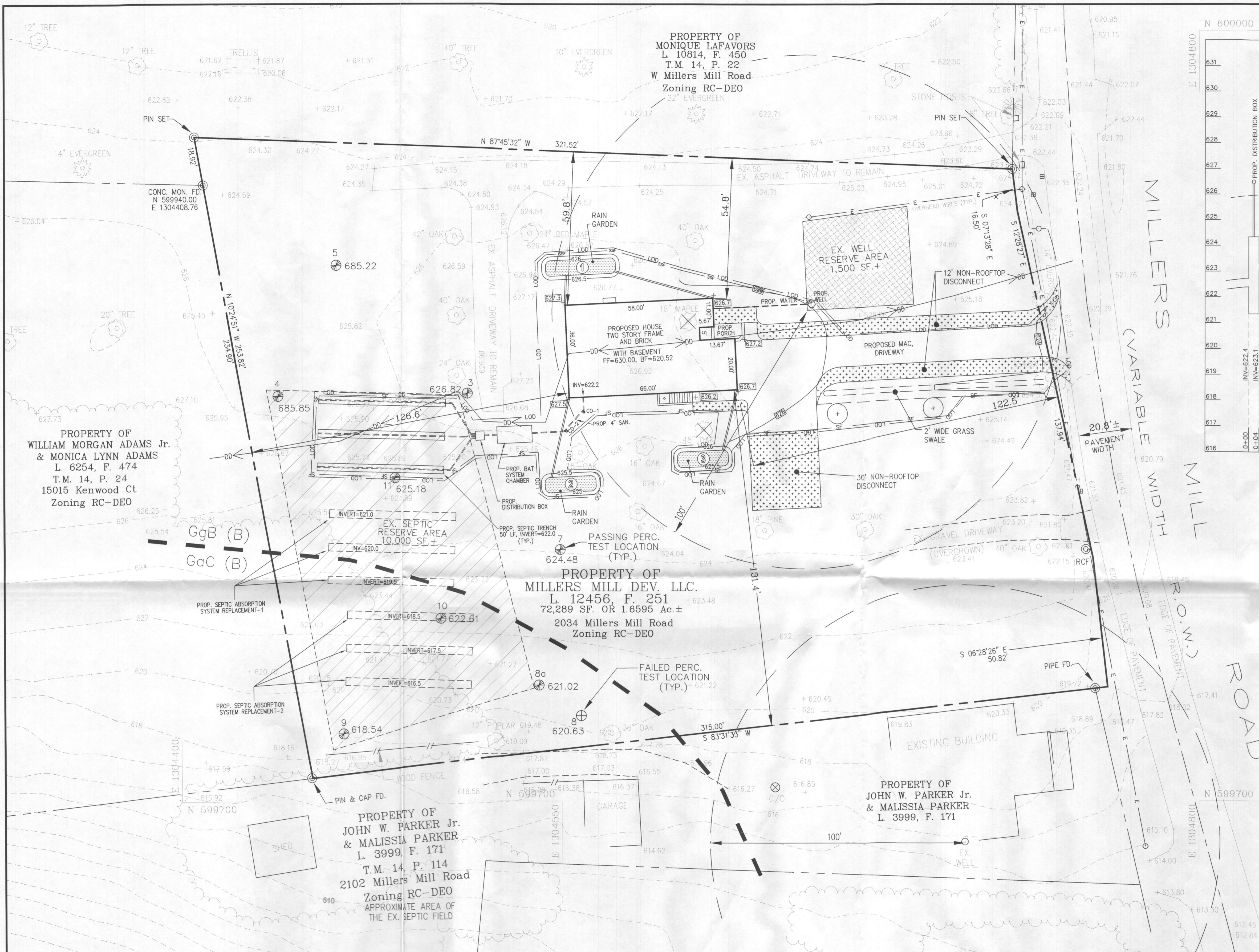
- SITE NOTES:**
- 1- PARCEL 22, TAX MAP 14, GRID 3
 - 2- ZONING "RC-DEO"
 - 3- SETBACKS - FRONT 75'
 SIDE 30'
 REAR 60'
 - 4- PLEASE RELY ON ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

MISS-UTILITY NOTE:
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,
 (800) 257 - 7777.

REVISIONS

NO.	DATE	DESCRIPTION

SHEET 1 OF 1



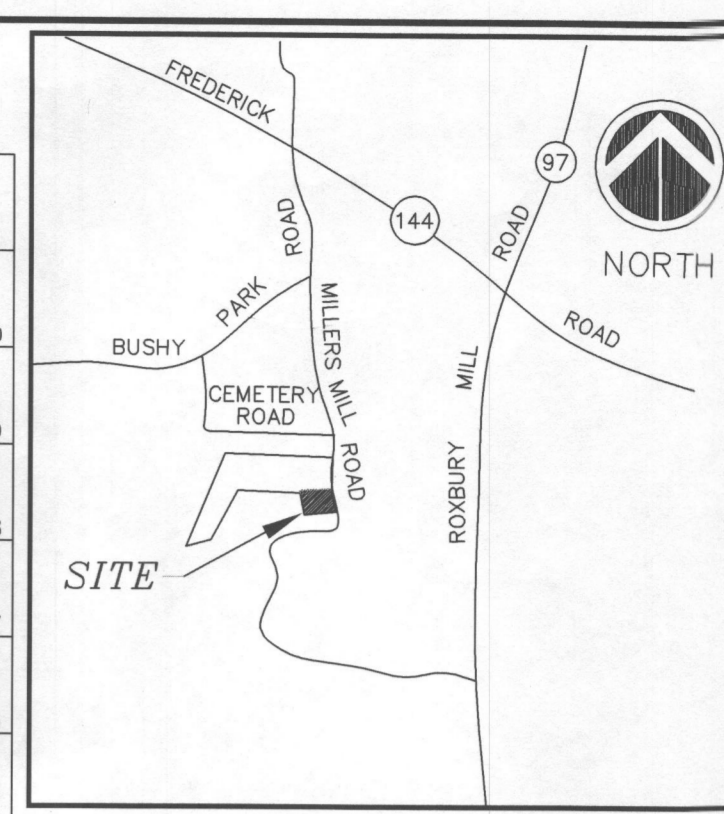
DESIGN DATA & GENERAL NOTES

- Concrete strength F_{cu} 4000 p.s.i. @ 28 days. Density = 150 pcf.
- Concrete - Portland Type III per ASTM C 150-04.
- Reinforcing steel per ASTM A 618-06 & C 484-02.
- Reinforcing per AS 10.5. Min. 1/2" cover.

Mayer Brothers, Inc.
 624 Race Rd
 Ellicott City, MD 21075
 Tel: 410.796.1500
 Fax: 410.796.1418
 www.mayerbrothers.com

**600 GPD BNR SYSTEM
 H-600 BNR**
 with 750 GALLON PUMP CHAMBER

Dwg. No. Hoot Form #1 No Scale March 19, 2009



PERCOLATION CERTIFICATION PLAN
THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
 PARCEL 22
 TAX MAP 14, GRID 3
 TAX ID No. 04-320018
 LIBER 12456, FOLIO 251
 FORTH ASSESSMENT DISTRICT
 HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2970 STEELES DRIVE, SUITE 200
 WEST FRIENDSHIP, MARYLAND 21794
 TEL: (240) 508-3200

REVISIONS
 1- REVISED AS PER HCHD COMMENTS, 9/19/2016.

DATE: JAN. 16, 2010
 JOB NUMBER: 2942
 FILE NUMBER: 2942-SITE-1
 PLOTTED: SEP. 19, 2016
 DRAWN BY: NR
PERCOLATION CERTIFICATION PLAN
 SHEET 1 OF 1

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER _____ DATE _____

DEVELOPER:
 CARUSO HOMES
 212 BALDWIN AVENUE
 CROFTON, MD 21114
 TEL: (301)261-0277

SITE NOTES:

- 1- PARCEL 22, TAX MAP 14, GRID 3
- 2- ZONING "RC-DEO"
- 3- SETBACKS - FRONT 75'
 SIDE 30'
 REAR 60'
- 4- PLEASE RELY ON ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

MISS-UTILITY NOTE:

1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING. (800) 257 - 7777.

NOTES:

1. ALL WELLS TO BE DRILLED PRIOR TO THE BUILDING PERMIT RELEASE.
2. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
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4. PERCOLATION TEST RESULTS HAVE BEEN FIELD LOCATED.
5. ANY CHANGE TO PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
6. THIS PLAN IS BASED ON A FIELD RUN BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY THE UNDERSIGNED ON JANUARY OF 2010.
7. ABANDONMENT OR PRODUCING THE VERIFICATION OF PRIOR ABANDONMENT OF THE EXISTING WELL AND SEPTIC SYSTEMS ON THIS SITE WILL OCCUR DURING THE INSTALLATION OF THE PROPOSED SEPTIC SYSTEM.
8. A GRINDER PUMP IS NEEDED FOR THE SANITARY SEWER FLOW OF THE BASEMENT FLOOR OF THIS HOUSE.

Required BAT Site Plan Notes

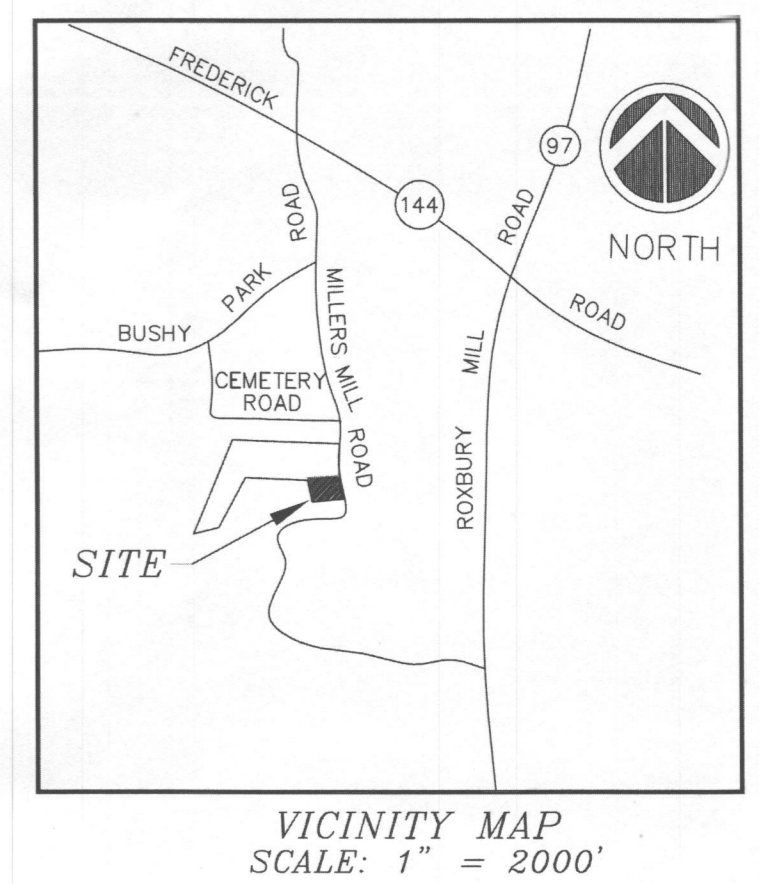
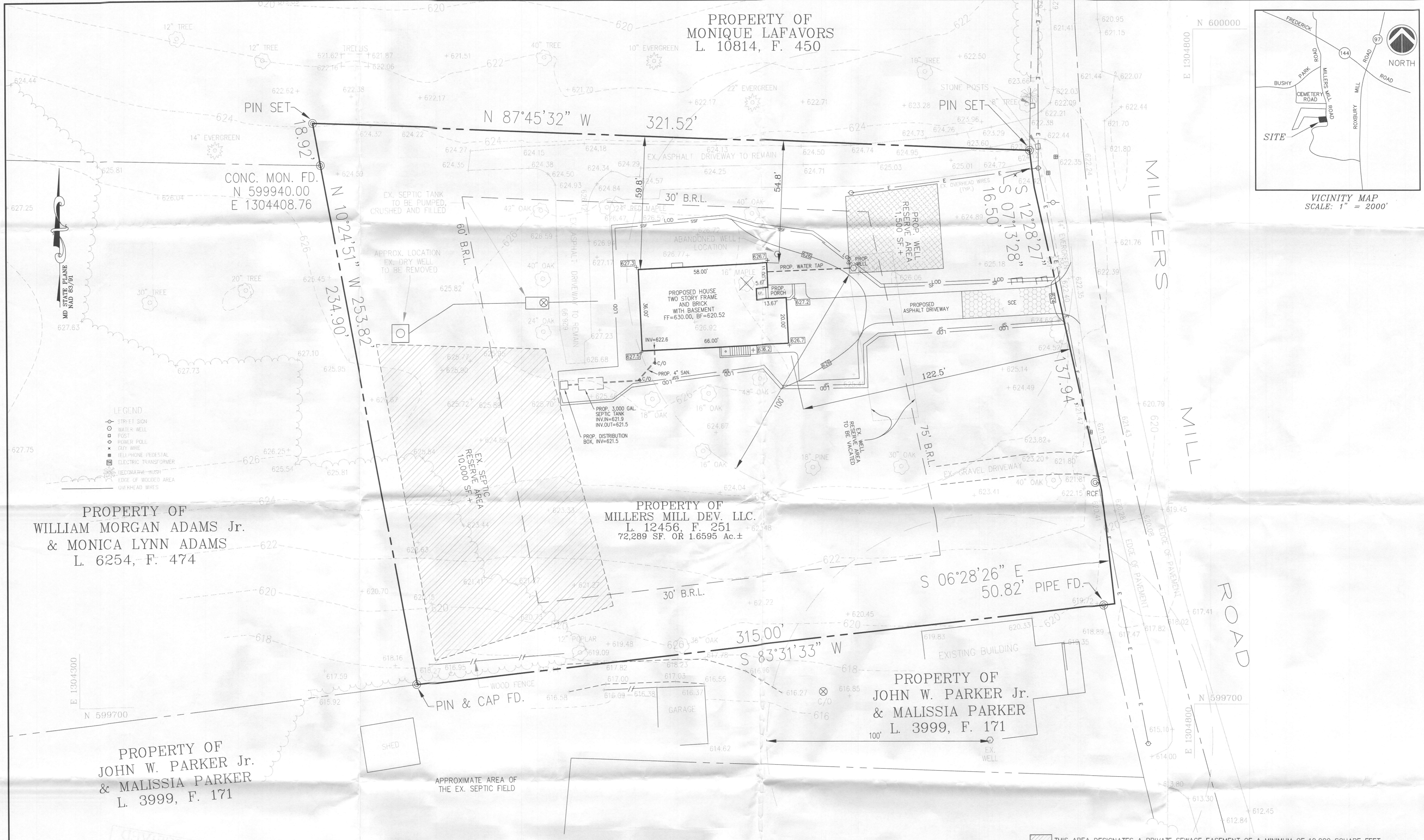
1. Any change to the locations or depths to any components must be approved by the engineer and the Howard County Health Department prior to installation. A revised site plan may be required.
2. The maximum depth of the BAT per the manufacturer's specification is 6 feet.
3. The blower may not be located 50 feet more than manufacturer's specifications.
4. The BAT system shall be maintained and operated for the life of the system.
5. The BAT shall be operated by and maintained by a certified service provider.
6. Within one month of installation, a person installing the BAT system shall report to the Maryland Department of the Environment (MDE) in a manner acceptable to MDE, the address and date of completion of the BAT installation and the type of BAT installed.
7. Electrical work for the BAT installation must be performed by a licensed electrician.
8. An Agreement and Easement must be completed and signed by all applicable parties, and recorded in Land Records of Howard County.
9. The Health Department requires documentation for the start-up certification from the manufacturer prior to final approval of the installation.

SITE ADDRESS:
 2034 MILLERS MILL ROAD
 COOKSVILLE, MD 21029-1157

LEGEND

- STREET SIGN
- WATER WELL
- POST
- POWER POLE
- GLY WIRE
- SEPTIC PUMP TRENCH
- ELECTRICAL TRANSFORMER
- DECORATIVE BUSH
- EDGE OF WOODED AREA
- OVERHEAD WIRES

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PERCOLATION CERTIFICATION PLAN
 THE PROPERTY OF MILLERS MILL DEVELOPMENT, LLC.
 PARCEL 22
 TAX MAP 14, GRID 3
 LIBER 12456, FOLIO 251
 FORTH ASSESSMENT DISTRICT
 HOWARD COUNTY, MARYLAND

PLAN PREPARED BY:
NJR & ASSOCIATES
 Land Surveying and Planning
 2770 STATE ROUTE 28
 WEST FRIENDSHIP, MARYLAND 21794
 TEL. (240) 508-3200

REVISIONS

1-	WELL RESERVE BOX
	RESHAPED, MAY 21, 2016.
2-	PREVIOUS WELL & SEPTIC
	LOCATION AND NOTE
	ADDED, JUNE 121, 2016.

DATE: JAN. 16, 2010
 JOB NUMBER: 2942
 FILE NUMBER: 2942-SITE-1
 PLOTTED: JUNE 12, 2016
 DRAWN BY: NR
PERCOLATION CERTIFICATION PLAN
 SHEET 1 OF 1

SITE NOTES:
 1- PARCEL 22, TAX MAP 14, GRID 3
 2- ZONING "RC-DEO"
 3- SETBACKS - FRONT 75'
 SIDE 30'
 REAR 60'
 4- PLEASE RELY ON ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

- NOTES:**
- ALL WELLS TO BE DRILLED PRIOR TO THE THE BUILDING PERMIT RELEASE.
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MISS-UTILITY NOTE:
 1. CONTACT MISS-UTILITY 72 HOURS BEFORE ANY TRENCHING,
 (800) 257 - 7777.

PLAN VIEW
 SCALE: 1" = 20'

PURPOSE STATEMENT:
 THE PURPOSE OF THIS PLAN IS THE ESTABLISHMENT OF A NEW WELL RESERVE AREA TO SERVE THE PROPOSED SINGLE FAMILY DWELLING.

SEPTIC SYSTEM NOTES:
 1- SUBMIT THIS PLAN TO THE HOWARD COUNTY HEALTH DEPARTMENT FOR THE DESIGN AND SPECIFICATION OF THE SEPTIC TRENCHES.
 2- A GRINDER PUMP IS NEEDED FOR THE SANITARY SEWER FLOW OF THE BASEMENT FLOOR OF THIS HOUSE.

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APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Barbara M. Rossman
 COUNTY HEALTH OFFICER
 DATE: 6/21/2016