



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME LOT # 5 SECT. 3, NURSERY VIEW

PROPERTY ADDRESS 17322 OLD FREDERICK RD MT AIRY 21771

TAX ACCOUNT #1404318052 TAX MAP 2 GRID 19 PARCEL 150 LOT NO. 5 PROPOSED LOT SIZE (ACRES) 3.744

ZONING CATEGORY PC-DEO TIER

PROPERTY OWNER(S) JAY & KATHLEEN EIGEN BRODE

DAYTIME PHONE 3016397063 CELL EMAIL MJEIGENBRODE@COMCAST.NET

MAILING ADDRESS 17322 OLD FREDERICK RD MT AIRY, MD 21771

APPLICANT LINDA ALEXANDER RELATIONSHIP TO OWNER: AGENT

DAYTIME PHONE (410)871-4475 CELL EMAIL lalexander@cds1mail.com

MAILING ADDRESS 439 E. MAIN ST WESTMINSTER, MD 21157

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

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: SUBDIVISION CLASSIFICATION (PER DEPT. OF PLANNING AND ZONING) MAJOR MINOR
CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
REPAIR OR REPLACE FAILING OSDS
UPGRADE EXISTING OSDS

BUILDING:

- RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
THE APPLICATION FEE IS NON-REFUNDABLE
THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.
Signature of Applicant: Linda Alexander Date: 3/8/18

JW 10/29/15 BUILDING PERMIT # B 18000282 APPLICATION

-This was for a
BP that Robert
had back in
January

HOWARD COUNTY HEALTH DEPT.
3115 FREDERICK ROAD, P.O. BOX 10000

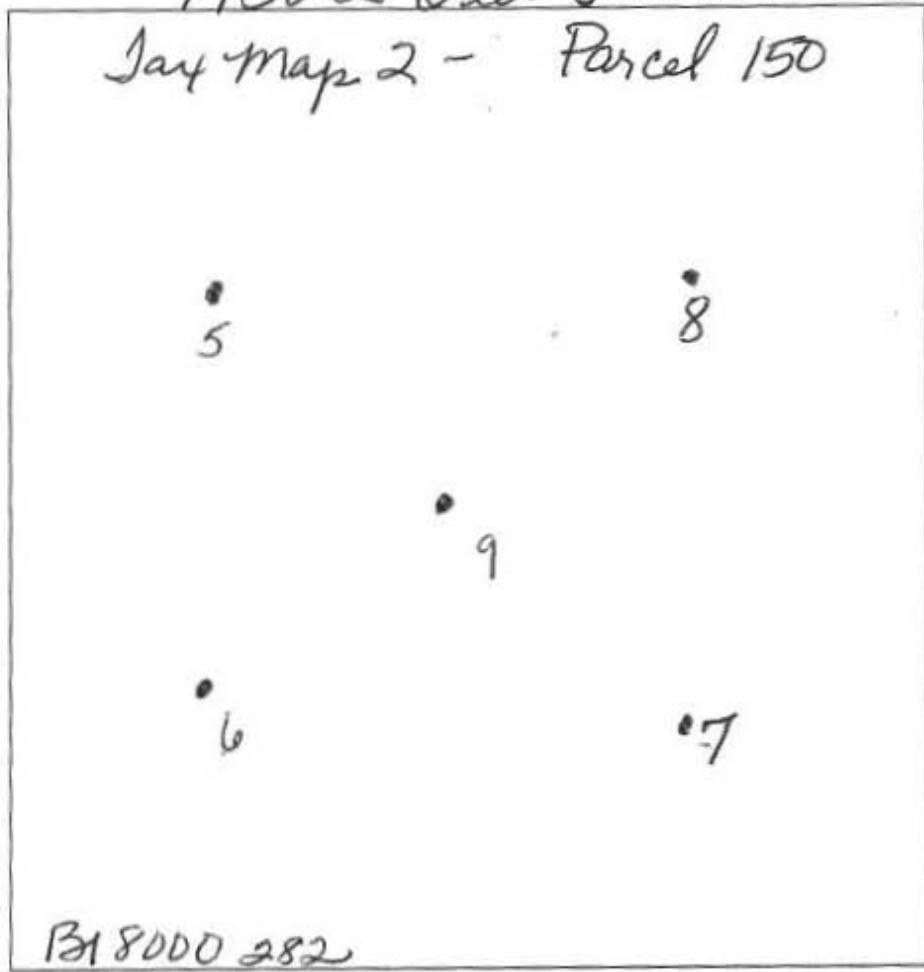
MAR 12 2018

RECEIVED

17322 Old Frederick Road

#8

Jay map 2 - Parcel 150



AP _____

Red Brown
yellow
Sh 3'
Red Brown
Silty
Sh 8'
5-10%
Rk 10'
Red Brown
yellow
Silty
Sh 8'
14'

#5
Red Brown
yellow
Sh 4'
Red Brown
yellow
Silty Sh
5-10%
Rk 9'
Red Brown
yellow
Silty Sh
10-15%
Rk 14'

#9

Red Brown
yellow
Sh 5.5'
Red Brown
yellow
Sh
15-20%
Rock
silty
↓
14'

#6
Red Brown
yellow
Sh
10-15%
Rk 6'
Red Brown
yellow
Sh
15-20%
Rk
↓
14'

B18000 282

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
4-6-18	5	5'4" / 14'	10:59	11:02	11:06	4 min	P
4-6-18	9	6 / 14'	11:28	11:39	11:49	10 min	P
4-6-18	8	4 / 14' 11:40	11:40	11:47	11:51	10 min	P
4-6-18	7	8 / 14' 12:30	12:40	12:52		12 min	P
4-6-18	6	Visual Pass 7' / 14'					P
4-6-18	2	2 feet of Shale					F
4-6-18	3	2 feet of Shale					F

#2 & 3

Red
Brown
Sh
Shale
75%
Rock
@ 2' 2'

#7
Red Brown
yellow
Sh
5-10%
Rk 6'
Red Brown
yellow
Sh
Silty
10-15%
Rk 14'

REMARKS Moved to a different area to peak
Deunard

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Bernard, Dana

From: Bernard, Dana
Sent: Wednesday, March 14, 2018 4:26 PM
To: lalexander@clsimail.com; 'mjelgenbrode@comcast.net'
Subject: 17322 Old Frederick Road

TO: Applicant: NTT Associates, Inc.
C/O Linda Alexander
Via E-mail: lalexander@clsimail.com
CC: Jay and Kathleen Elgenbrode
Homeowner: mjelgenbrode@comcast.net

FROM: Dana Bernard, REHS/L.E.H.S.
Well and Septic Program

RE: 17322 Old Frederick Road
Map 2, Parcel 150
Percolation Certification Testing

DATE: March 14, 2018

Mrs. Alexander,

I have reviewed your percolation testing plan. The review has concluded that you are ready for percolation testing. Have your contractor contact me to schedule a date for percolation testing. However, before scheduling the following conditions must be met:

The corners of the SDA must be staked in the field along with the proposed test holes.

A 5-gallon container of water with lid must be provided at each proposed test site on the day of testing.

Site conditions:

If the site is wooded, a path leading to the proposed test site must be clearly marked.

If the site is overgrown, the proposed SDA and a 50' perimeter around the SDA must be cleared and kept clear until all testing has been completed.

If the site is cropped, fieldwork may be delayed until the crop is harvested, or the site is cleared.

Accurate address, tax map and parcel numbers along with the property owner's name must be provided on all diagrams and applications submitted to this office.

An accurate field diagram must be submitted with the proposal showing the locations of all soil profiles, testing holes, significant land marks, as well as all applicable topographic and or physical/environmental features, such as: drainage swales, ravines, streams, ditches, tidal water, tidal marsh and wetland areas, steep slopes, highly erodible soils, as well as the critical area boundary. Approximate setback distances from significant landmarks and topographic features must be provided.

Proposed SDA corners, wells within 100 feet of the proposed SDA, and any existing easements or right of ways that may affect the proposed SDA must also be accurately shown on the diagram.

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
FAX (410) 848-1791

Transmit To:

Bureau of Environmental Health
Howard County Health Department
8930 Stanford Boulevard
Columbia, MD 21046

Project Info:

NURSERY VIEW, LOT 5
17322 Old Frederick Road
Mt. Airy, MD

Project No: 2018053

Date: Mar 8, 2018

We are Transmitting:

- | | | | | | |
|---|--|---|--|---|--------------------------|
| <input checked="" type="checkbox"/> Here with | <input type="checkbox"/> Originals | <input type="checkbox"/> Computer Media | <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Via Overnight | <input type="checkbox"/> |
| <input type="checkbox"/> Our | <input checked="" type="checkbox"/> Prints | <input type="checkbox"/> Project Manuals | <input type="checkbox"/> Payment Cert. | <input type="checkbox"/> Express Mail | <input type="checkbox"/> |
| <input type="checkbox"/> Your | <input type="checkbox"/> Copies | <input type="checkbox"/> Product Literature | <input type="checkbox"/> Change Order | <input type="checkbox"/> 1st Class Mail | <input type="checkbox"/> |

Sets	Type	Dwg No	Dated	Description
3	D Size Bond Copies		3/8/2018	Perc Cert Plan Application for Percolation Testing Check (\$506) for Fee
1	Document		3/8/2018	
1	Check		2/27/2018	

- | | | | | |
|---------------------------------------|---|--------------------------------------|---------------------------------------|--------------------------|
| <input type="checkbox"/> As Requested | <input type="checkbox"/> For Your Use | <input type="checkbox"/> For Filing | <input type="checkbox"/> For Approval | <input type="checkbox"/> |
| <input type="checkbox"/> As Required | <input checked="" type="checkbox"/> For Your Review | <input type="checkbox"/> For Bidding | <input type="checkbox"/> As Discussed | <input type="checkbox"/> |

Remarks:

Copy To _____

If enclosures are not as noted,
please notify us immediately.


Linda D. Alexander

The project manager must contact Miss Utility prior to going to each and every site to determine if underground utility lines are present within the proposed SDA and within 100 feet of the area surrounding the proposed SDA. If no utilities are present within the area described above, the project manager should include this information on the original application. If utilities are present, they must be accurately described and shown on the field diagram.

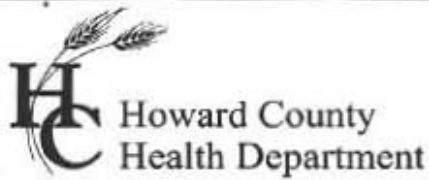
If you have any additional questions regarding this review or requirements for percolation testing, please contact me at the e-mail address below or by telephone at (410) 313-2775.

Sincerely,

Dana Bernard, REHS/RS
Environmental Specialist II
Phone (410) 313-2775
Fax (410) 313-2648
E-mail: DBernard@howardcountymd.gov

Thank you & Have a*~)

(.:. (.:. * Wonderful Day !



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8930 Stanford Drive Columbia, MD 21045
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Maura J. Rossman, M.D., Health Officer

Date: April 10, 2018

To: Mr. Wayne Watkins.
Via E-mail: watkinsjwayne@gmail.com

RE: **Percolation Testing Report**
17322 Old Frederick Road
Tax Map 2, Parcel 150

Mr. Watkins,

Percolation testing was conducted on the referenced property and completed on April 6, 2018. The purpose for conducting these percolation tests was for an anticipated establishment of sewage disposal area.

A total of (7) seven test holes were evaluated and five were found to be satisfactory with moderate percolation. Two were found to be unsatisfactory and cannot be used in the establishment of the septic area. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area for this lot. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,
Dana Bernard
Dana Bernard, REHS/RS
Environmental Specialist II
Attachments: 1
Cc: File

Williams, Jeffrey

From: Linda D. Alexander <lalexander@clsimail.com>
Sent: Wednesday, May 02, 2018 12:14 PM
To: Williams, Jeffrey
Cc: Bernard, Dana
Subject: Re: 17322 Old Frederick Eigenbrode property

Jeff
I am fine with the changes!!

Linda Alexander
Sent from my iPhone

On May 2, 2018, at 12:09 PM, Williams, Jeffrey <jewilliams@howardcountymd.gov> wrote:

Hi Linda. I know this project has been out there for a while. Dana sent up the perc cert for signature and in an effort to keep things moving, I wanted to see if we could have your permission to white out a few things in order to get it up for signature quickly:

- The 2nd alternate well site is downgrade of the neighbors septic area and would need a variance approval from MDE. There may be a small area up by the other 2 wells, but I'd be ok with just removing that site and having one alternate site for now given the limitations and the existing well had a 10 gpm yield.
- There is a line around the existing trenches extending down the hill that looks kind of like a disposal area. I want to remove that line to avoid confusion, as we are not approving a reserve area by the existing trenches (with the failing holes down the hill)
- There are 2 signature blocks, I want to remove one of them.

Let me know if you are ok with those changes. Thanks

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

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

439 East Main Street
Westminster, MD 21157-5539



(410) 848-1790 • (301) 662-1799
FAX (410) 848-1791

Transmit To:

Ms. Dana Bernard
REHS/RS Environmental Specialist II
Howard County Health Dept.
8930 Stanford Blvd.
Columbia, MD 21045

Project Info:

NURSERY VIEW, LOT 5
17322 Old Frederick Road
Mt. Airy, MD

Project No: 2018053

Date: Apr 17, 2018

We are Transmitting:

- | | | | | | |
|---|------------------------------------|---|--|---|--------------------------|
| <input checked="" type="checkbox"/> Here with | <input type="checkbox"/> Originals | <input type="checkbox"/> Computer Media | <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Via Overnight | <input type="checkbox"/> |
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| <input type="checkbox"/> Your | <input type="checkbox"/> Copies | <input type="checkbox"/> Product Literature | <input type="checkbox"/> Change Order | <input type="checkbox"/> 1st Class Mail | <input type="checkbox"/> |

Sets	Type	Dwg No	Dated	Description
2	D Size Bond Copies		4/17/18	Signed Perc Certification Plan

- | | | | | |
|---------------------------------------|--|--------------------------------------|---------------------------------------|--------------------------|
| <input type="checkbox"/> As Requested | <input type="checkbox"/> For Your Use | <input type="checkbox"/> For Filing | <input type="checkbox"/> For Approval | <input type="checkbox"/> |
| <input type="checkbox"/> As Required | <input type="checkbox"/> For Your Review | <input type="checkbox"/> For Bidding | <input type="checkbox"/> As Discussed | <input type="checkbox"/> |

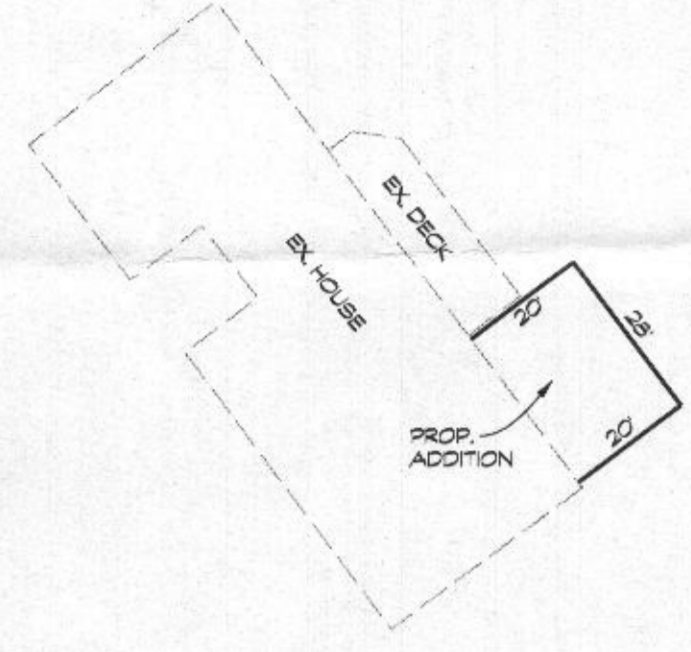
Remarks:

If enclosures are not as noted,
please notify us immediately.

Copy To _____

Linda D. Alexander

- LEGEND:**
- SPOT ELEVATION
 - FLOW PATH & SLOPE
 - EX. WELL
 - APPROVED PERC TEST LOCATION
 - SEWAGE DISPOSAL AREA
 - EX DECIDUOUS TREE
 - EX EVERGREEN TREE

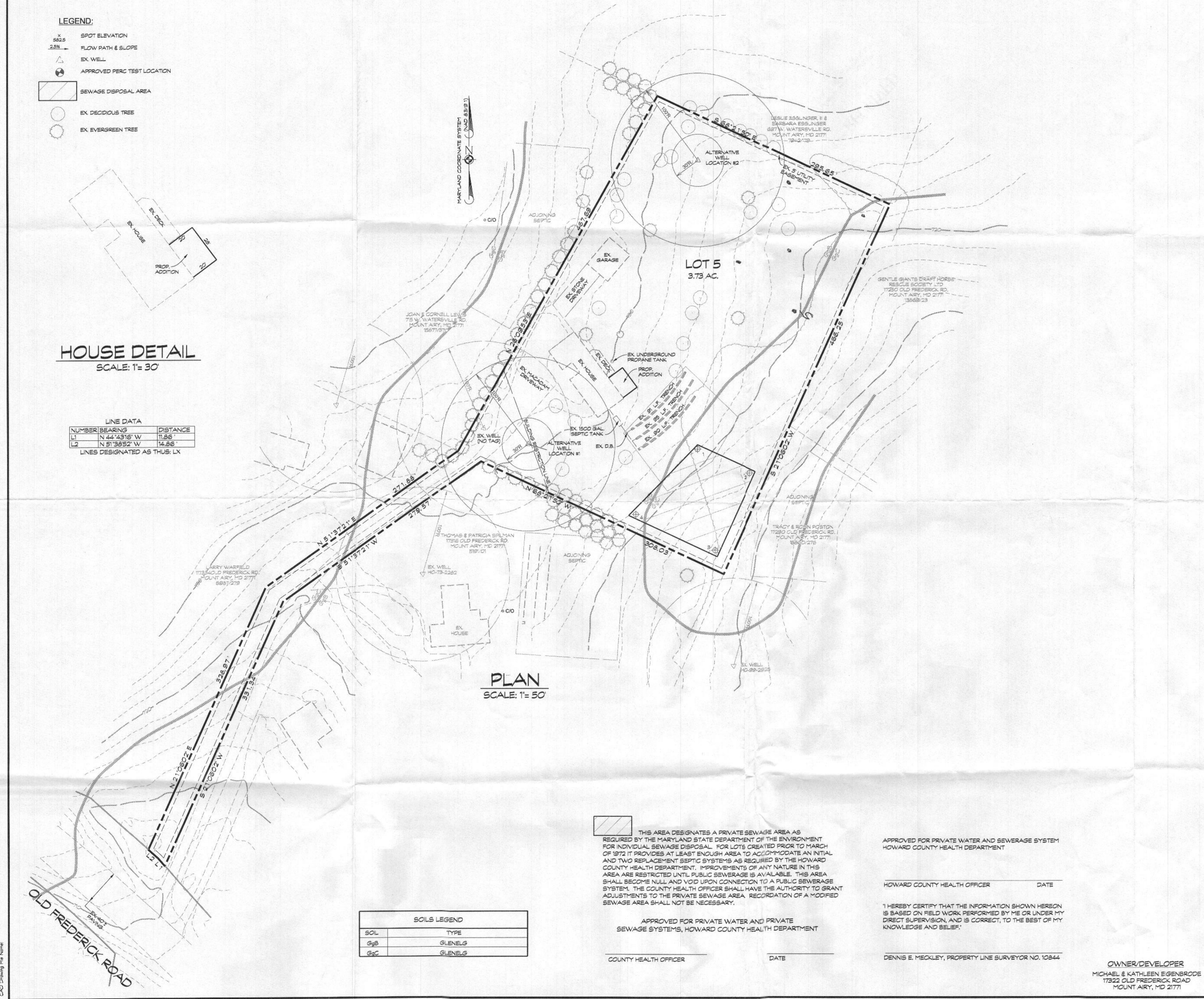
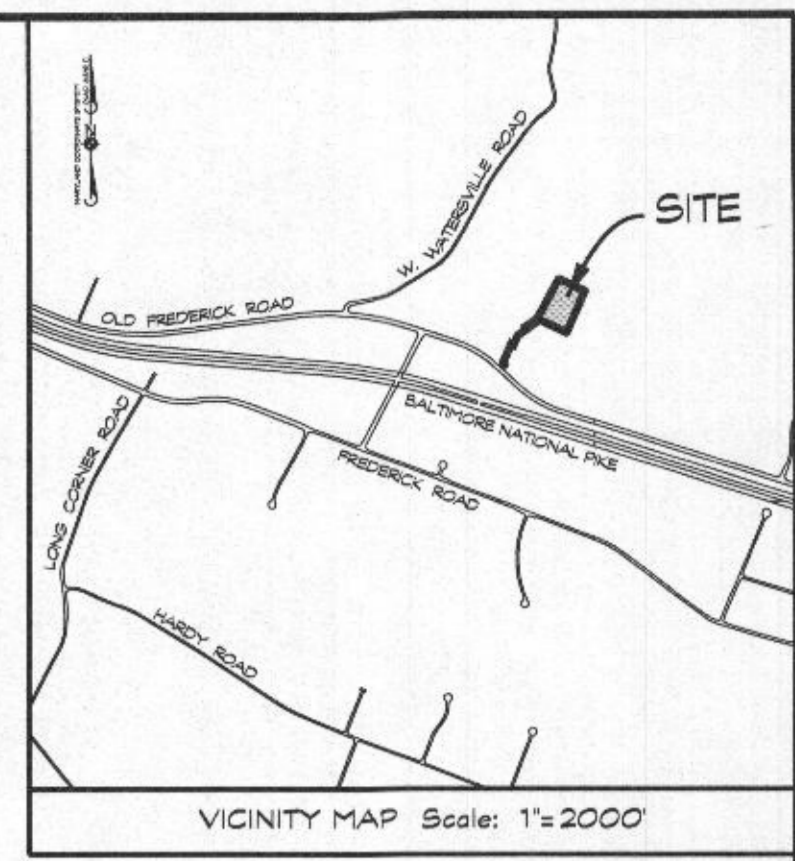


HOUSE DETAIL
SCALE: 1"= 30'

LINE DATA

NUMBER	BEARING	DISTANCE
L1	N 44°43'16" W	11.86'
L2	N 51°38'52" W	14.86'

LINES DESIGNATED AS THUS: LX



PLAN
SCALE: 1"= 50'

GENERAL NOTES

- CURRENT TITLE REFERENCE:
OWNER: MICHAEL & KATHLEEN EIGENBRODE
DEED REFERENCE: L 17744, P. 153
DATE: AUGUST 9, 2017
GRANTOR: RAYMOND CHARLES BURGER, JR.
THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND FIELD VERIFIED BY CLSI TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- EXISTING WELLS AND/OR SEWER EASEMENTS WITHIN 100' OF THE LOT LINES HAVE BEEN SHOWN.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A PROPOSED ADDITION.

DATA TABULATIONS:

- ZONING DISTRICT: RC-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 3.73 ACRES

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

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

COUNTY HEALTH OFFICER _____ DATE _____

SOILS LEGEND

SOL	TYPE
GyB	GLENELG
GcC	GLENELG

PERCOLATION TEST RESULTS, _____

SITE PLAN & PERC CERTIFICATION PLAN
BUILDING PERMIT #B18000282
NURSERY VIEW LOT 5
17322 OLD FREDERICK ROAD
EIGENBRODE PROPERTY
TAX MAP: 2 * BLOCK: 19 * PARCEL: 159
4th ELECTION DISTRICT * HOWARD COUNTY, MD



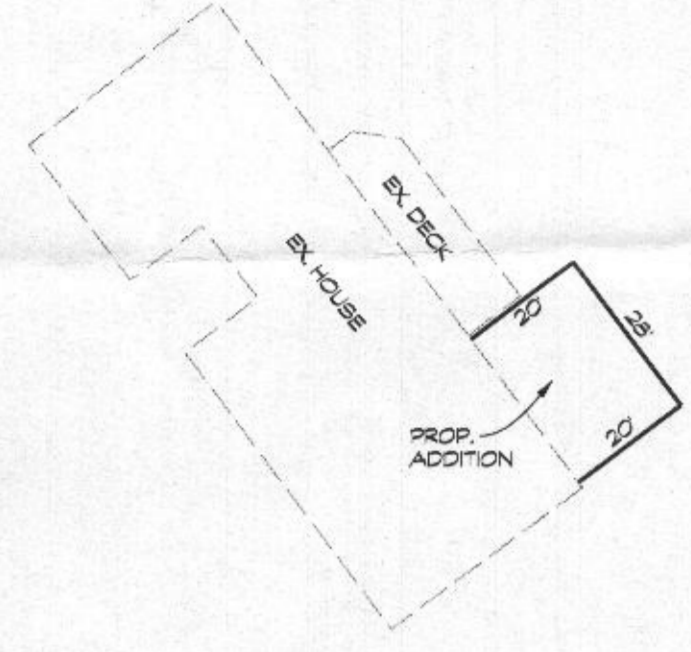
Dennis E. Meckley
Property Line Surveyor Reg No. 10844
License Expires 03/29/20

439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By: BM
		Designed By: _____
		Reviewed By: _____
		Date: 2/28/18
		Scale: AS SHOWN
		Job No.: 2018053
		Sheet: 1 OF 1

OWNER/DEVELOPER
MICHAEL & KATHLEEN EIGENBRODE
17322 OLD FREDERICK ROAD
MOUNT AIRY, MD 21771

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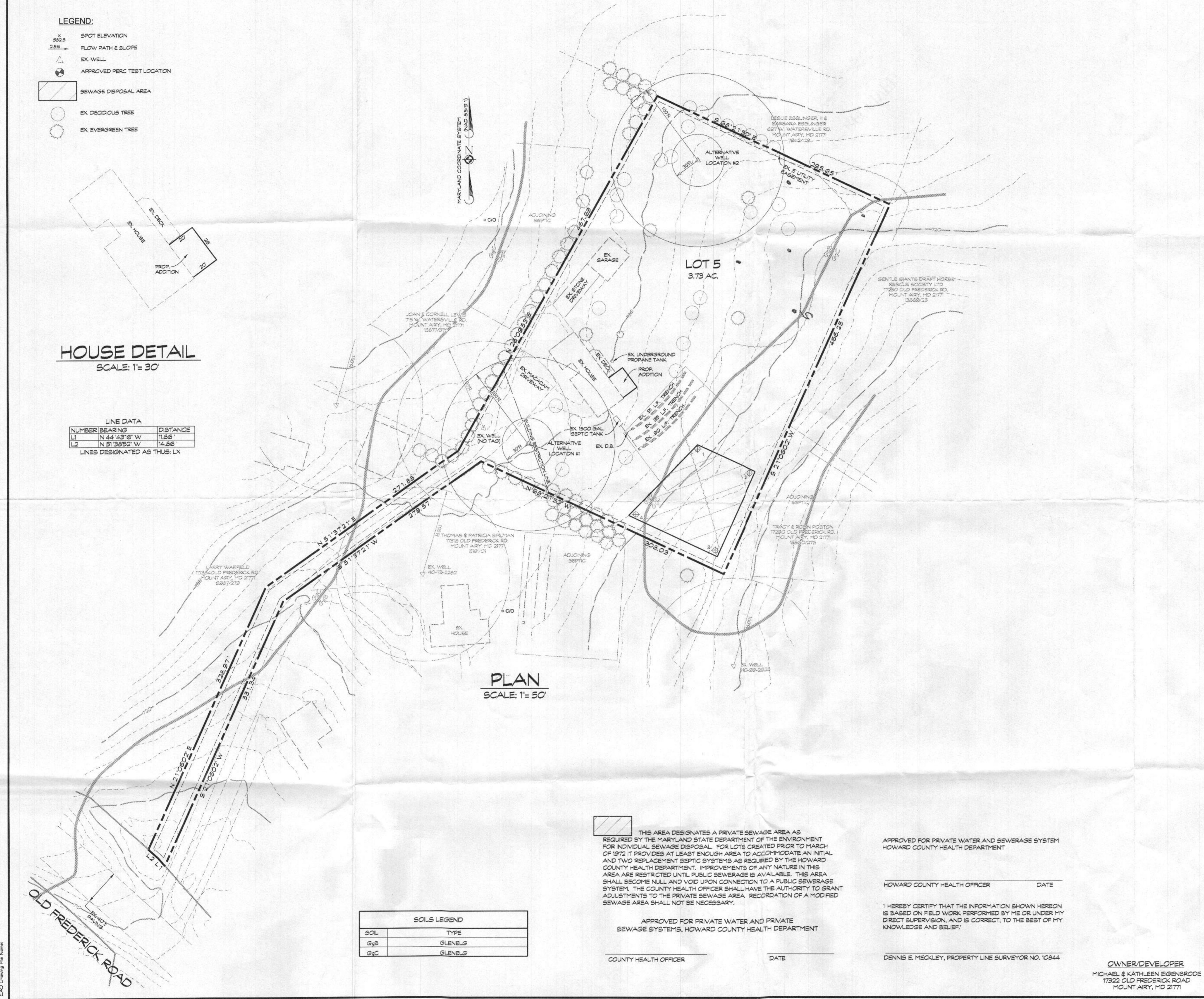
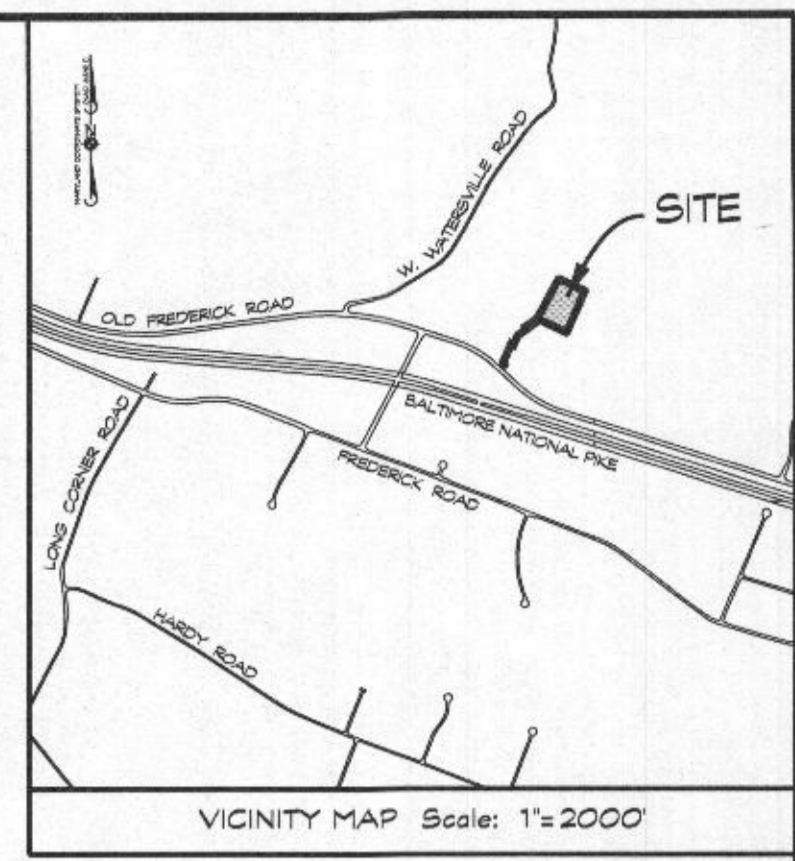


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APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
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HOWARD COUNTY HEALTH OFFICER _____ DATE _____

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DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

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

COUNTY HEALTH OFFICER _____ DATE _____

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17322 OLD FREDERICK ROAD
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Dennis E. Meckley
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License Expires 03/29/20

439 East Main Street Westminster, MD 21157-5539
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Date	Revisions	Drawn By: BM
		Designed By: _____
		Reviewed By: _____
		Date: 2/28/18
		Scale: AS SHOWN
		Job No.: 2018053
		Sheet: 1 OF 1

FOUNDATION PLAN NOTES

1. ALL EXTERIOR DIMENSIONS TAKEN FROM OUTSIDE OF FINISHED MASONRY WALL.
2. ALL INTERIOR DIMENSIONS TAKEN FROM INSIDE OF FINISHED MASONRY WALL.
3. CONTRACTOR TO VERIFY AND CONFIRM ALL DIMENSIONS.
4. CONTRACTOR TO VERIFY ALL MASONRY OPENINGS WITH ITEM MANUFACTURER.

RESIDENTIAL CONSTRUCTION DESIGN PARAMETERS - HOWARD COUNTY, MD IRC 2015					
WIND SPEED 110 MPH	SEISMIC DESIGN CATEGORY A	SUBJECT TO DAMAGE FROM			ICE SHIELD UNDERLAYMENT REQUIRED YES
		WEATHERING SEVERE	FROST LINE DEPTH 30 INCHES	TERMITE MODERATE TO HEAVY	

ITEM LEGEND

- (E) EXISTING ITEM TO REMAIN
- (N) NEW ITEM
- (R) RELOCATE EXISTING ITEM

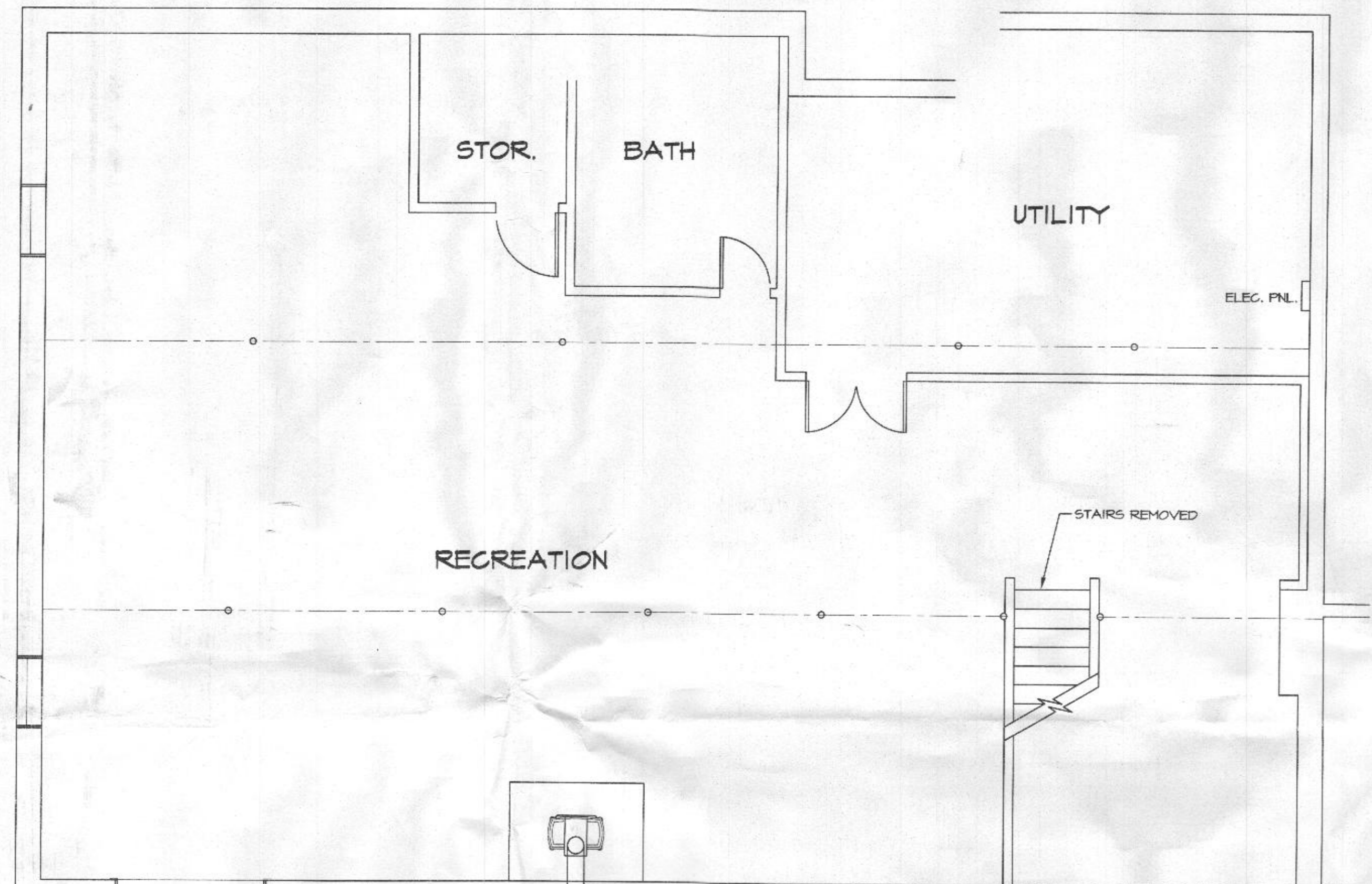
WALL LEGEND

- DENOTES NEW FRAMED WALL UNLESS NOTED.
- DENOTES EXISTING FRAMED WALL UNLESS NOTED.
- DENOTES NEW C.M.U.
- DENOTES EXISTING C.M.U. WALL UNLESS NOTED.

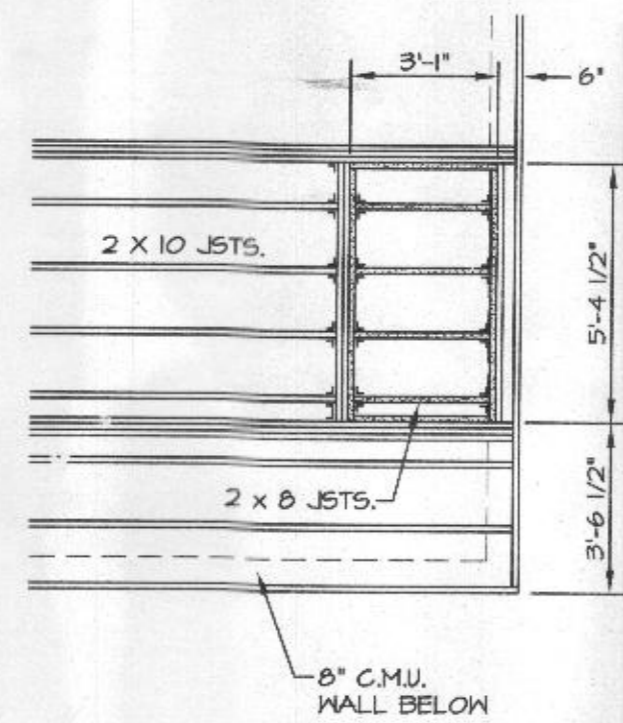
HEALTH DEPT

\$18000 282
17322 Old Frederick Rd

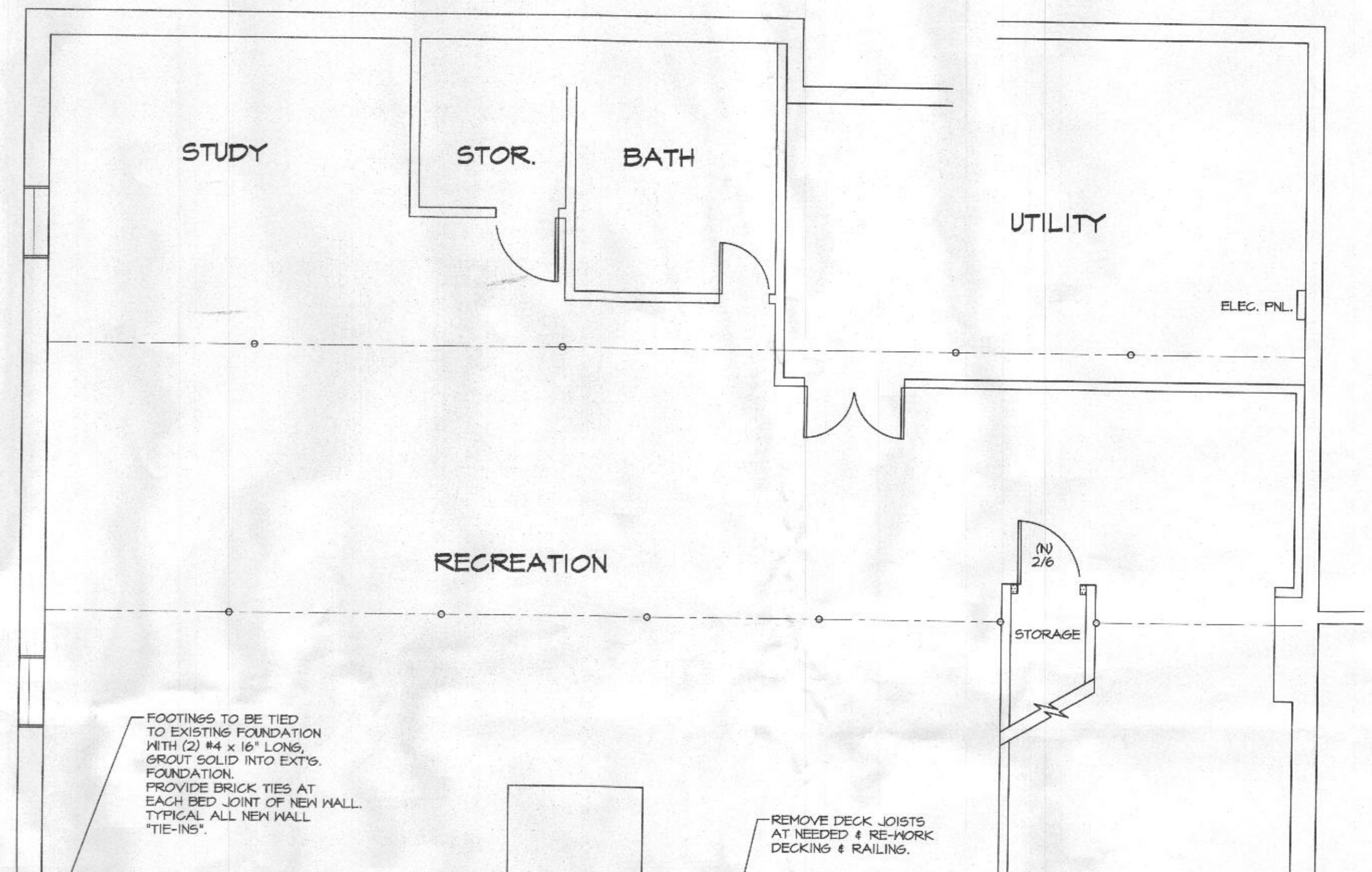
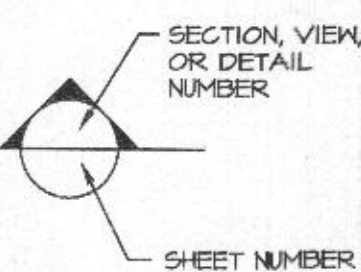
SHEET 1 of 4
SCALE 1/4" = 1'-0"
DRAWN BY: HP/JS
DATE 12-16-17
CADFILE EIG-CON2



LOWER LEVEL PLAN
EXISTING CONDITIONS
SCALE: 1/4" = 1'-0"



PARTIAL FLR. FRMG. - SHOWER
SCALE: 1/4" = 1'-0"



LOWER LEVEL / FND. PLAN
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"

REVISIONS	
NO.	REMARKS

PROPOSED ADDITION FOR THE
EIGENBRODE RESIDENCE
17322 OLD FREDERICK ROAD
MT. AIRY, MARYLAND 21771
HOWARD COUNTY

PERRINE DESIGN
1111 Yorkshire Way
Westminster, MD 21156
410-878-6517

PLAN NOTES:

1. ALL EXTERIOR DIMENSIONS TAKEN FROM OUTSIDE OF SHEATHING TO CENTER LINES.
2. ALL INTERIOR DIMENSIONS TAKEN FROM FINISHED WALL TO FINISHED WALL.
3. PROVIDE SMOKE DETECTOR AS REQUIRED BY CODE.
4. ALL CLOSETS 2'-0" DEEP UNLESS DIMENSIONED OR SHOWN OTHERWISE.
5. ALL EXTERIOR WALLS TO BE 2 x 6 STUDS, UNLESS NOTED.
6. T.S. = TILE STRIP, C.O. = CASING OPENING, M.T. = MARBLE THRESHOLD
7. ALL NEW WINDOWS SPEC'D. TO BE ANDERSEN.
8. CONFIRM ALL FLOOR COVERINGS WITH HOMEOWNER.

NEW CONSTRUCTION NOTES - PLAN

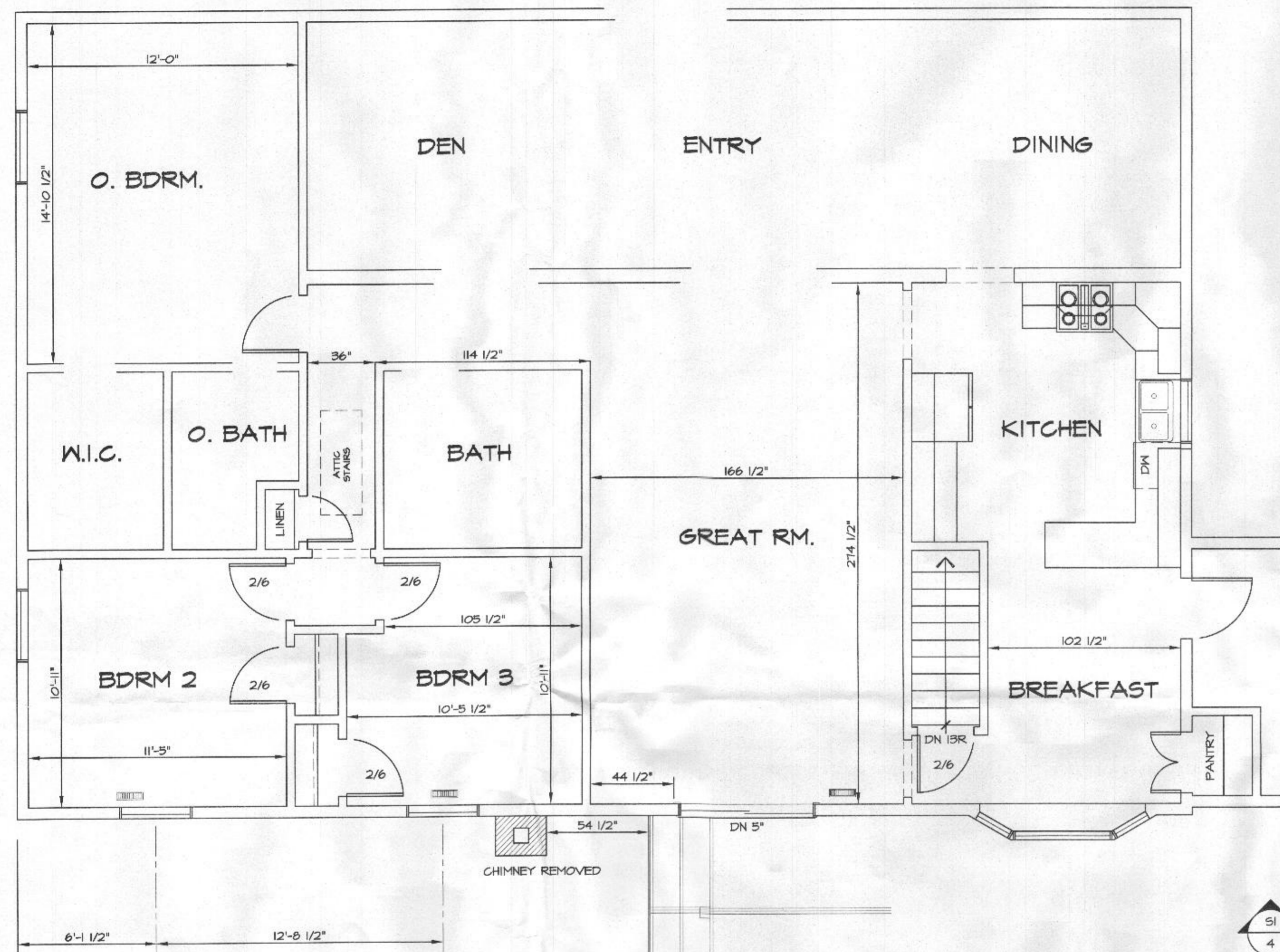
- △ ONE SIDE OF STAIRWAY WITH (4) OR MORE RISERS CONTINUOUS FOR FULL LENGTH. (RIGHT SIDE RECOMMENDED). GRASPABLE FERR SECTION R311.7.4.3. BETWEEN 3'-4" - 3'-6" ABOVE NOSING, PROJECTING FROM WALL MIN. 1 1/2" TO INNER EDGE AND MAX. 4 1/2" TO OUTER EDGE. ENDS SHALL BE RETURNED TO WALL OR TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS.
- △ REMOVE WALL TO EXISTING BEARING POINT. EXISTING BEARING POST TO REMAIN.
- △ SEE PARTIAL FLOOR FRAMING DETAIL - SHEET 1.

ITEM LEGEND

- (E) EXISTING ITEM TO REMAIN
- (N) NEW ITEM
- (R) RELOCATE EXISTING ITEM

WALL LEGEND

DENOTES NEW FRAMED WALL UNLESS NOTED.
DENOTES EXISTING FRAMED WALL UNLESS NOTED.

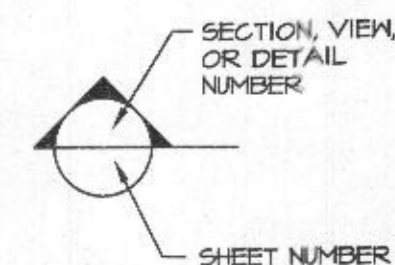


1ST FLOOR PLAN
EXISTING CONDITIONS
SCALE: 1/4" = 1'-0"



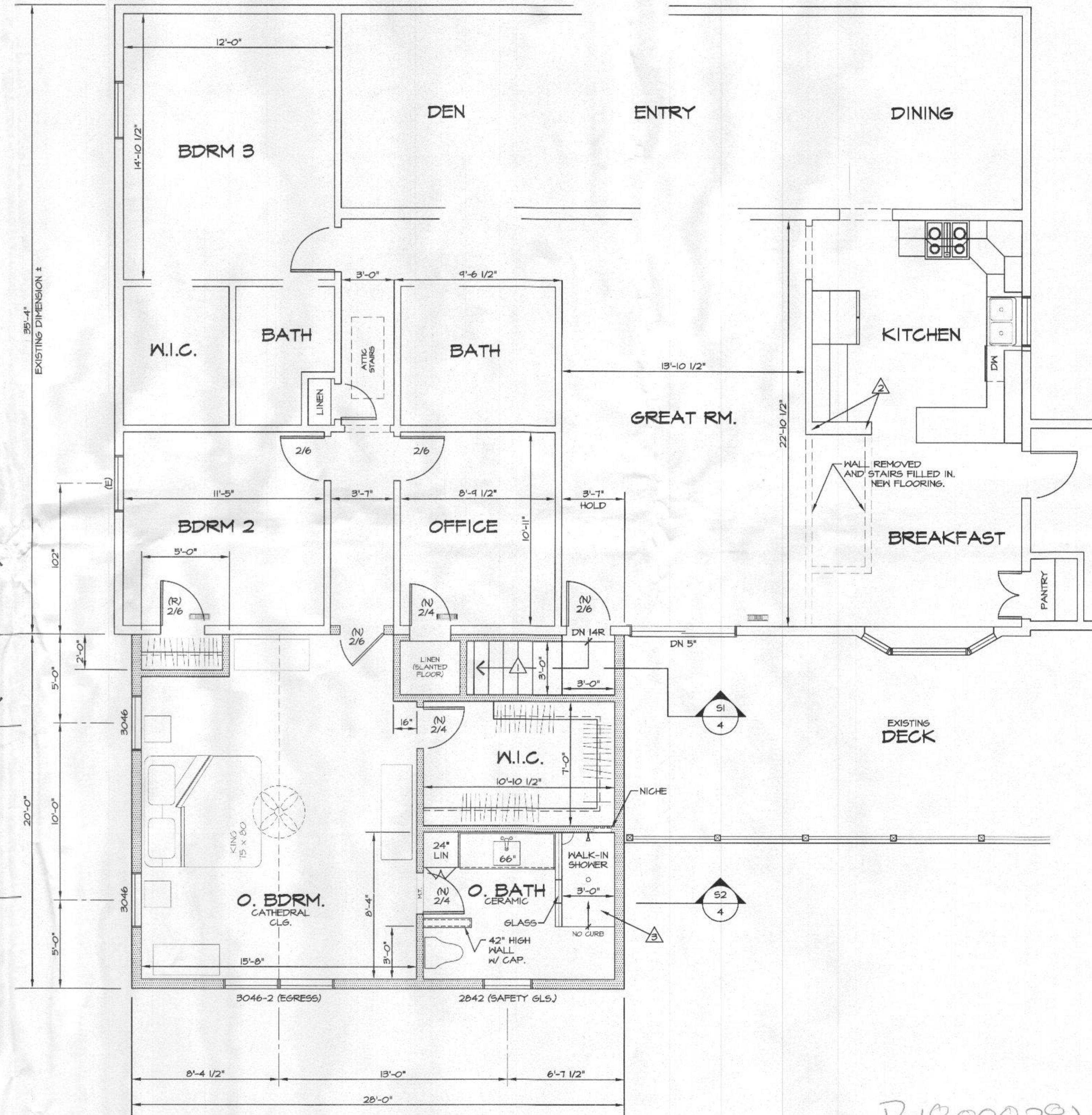
OPTIONAL SHOWER GLASS ENCLOSURES

SCALE: 1/2" = 1'-0"
CONFIRM FINAL DESIGN WITH OWNERS.



SECTION, VIEW
OR DETAIL
NUMBER

SHEET NUMBER



1ST FLOOR PLAN
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"

REVISIONS	
NO.	REMARKS

PROPOSED ADDITION FOR THE
EIGENBRODE RESIDENCE
MT. AIRY, MARYLAND 21771
17322 OLD FREDERICK ROAD
HOWARD COUNTY

PERRINE DESIGN
1111 Yorkshire Way
Westminster, MD 21158
410-876-6517

B18000282
17322 Old Frederick Rd.

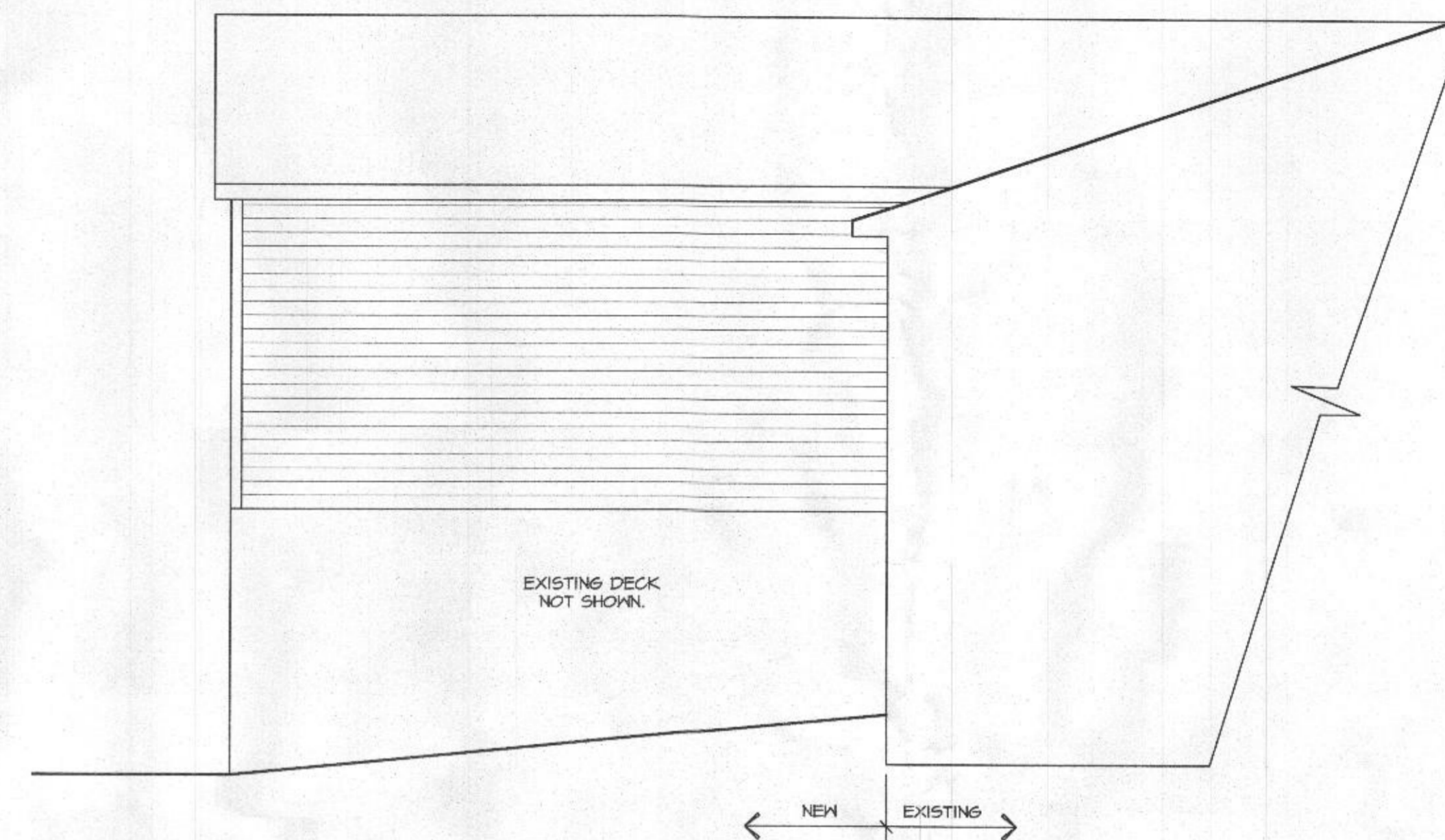
EIGENBRODE ADDITION
CONSTRUCTION -1
JANUARY 20, 2018

NOTES:

1. PROVIDE GUTTERS, DOWNSPOUTS TO APPROVED EGRESS.
2. GRADE LINES SHOWN ON DRAWINGS ARE AN APPROXIMATION OF ACTUAL MEASUREMENTS. FINAL GRADE TO BE DETERMINED AT COMPLETION OF PROJECT AND SUBJECT TO LOCAL CODES AND DRAINAGE PRACTICES.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
4. ALL WINDOWS SPEC'D. ON PLAN TO BE ANDERSEN.



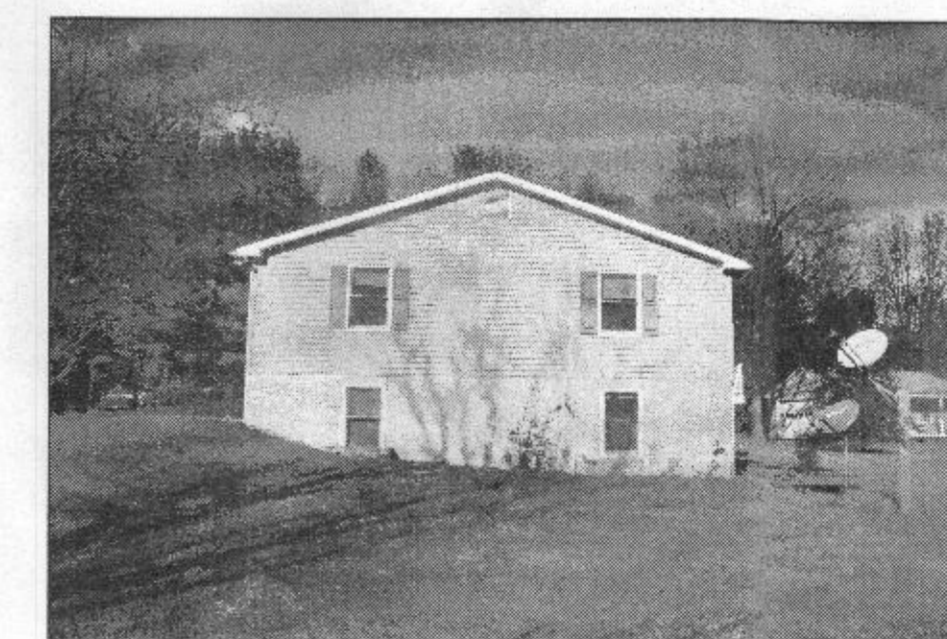
PARTIAL REAR ELEVATION
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"



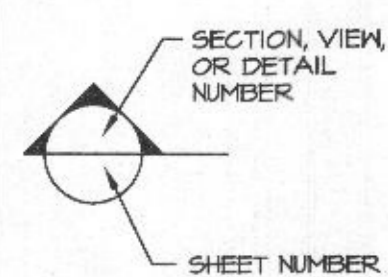
RIGHT ELEVATION
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"



EXISTING PHOTOS
NO SCALE



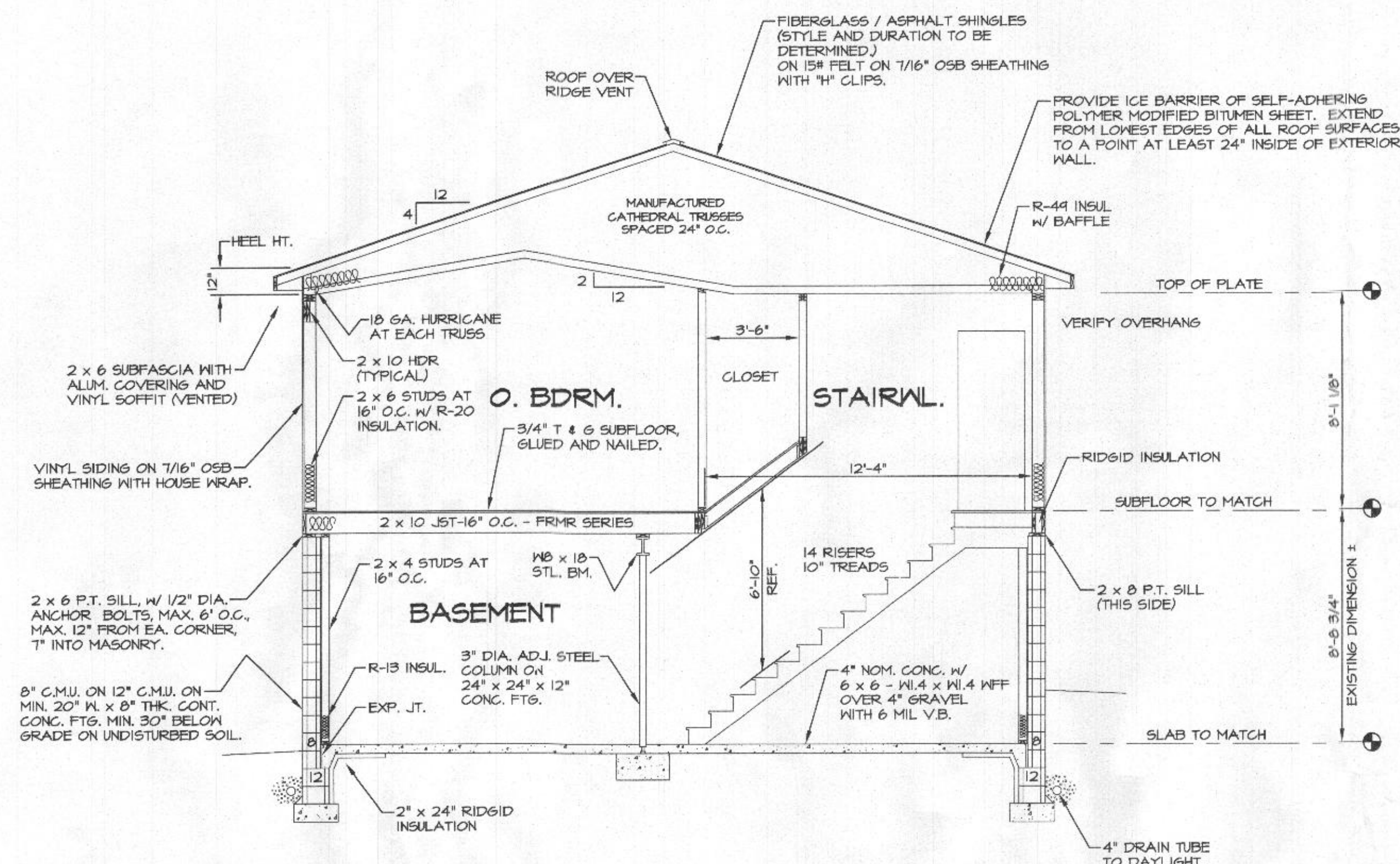
SECTION VIEW
OR DETAIL
NUMBER

SHEET NUMBER

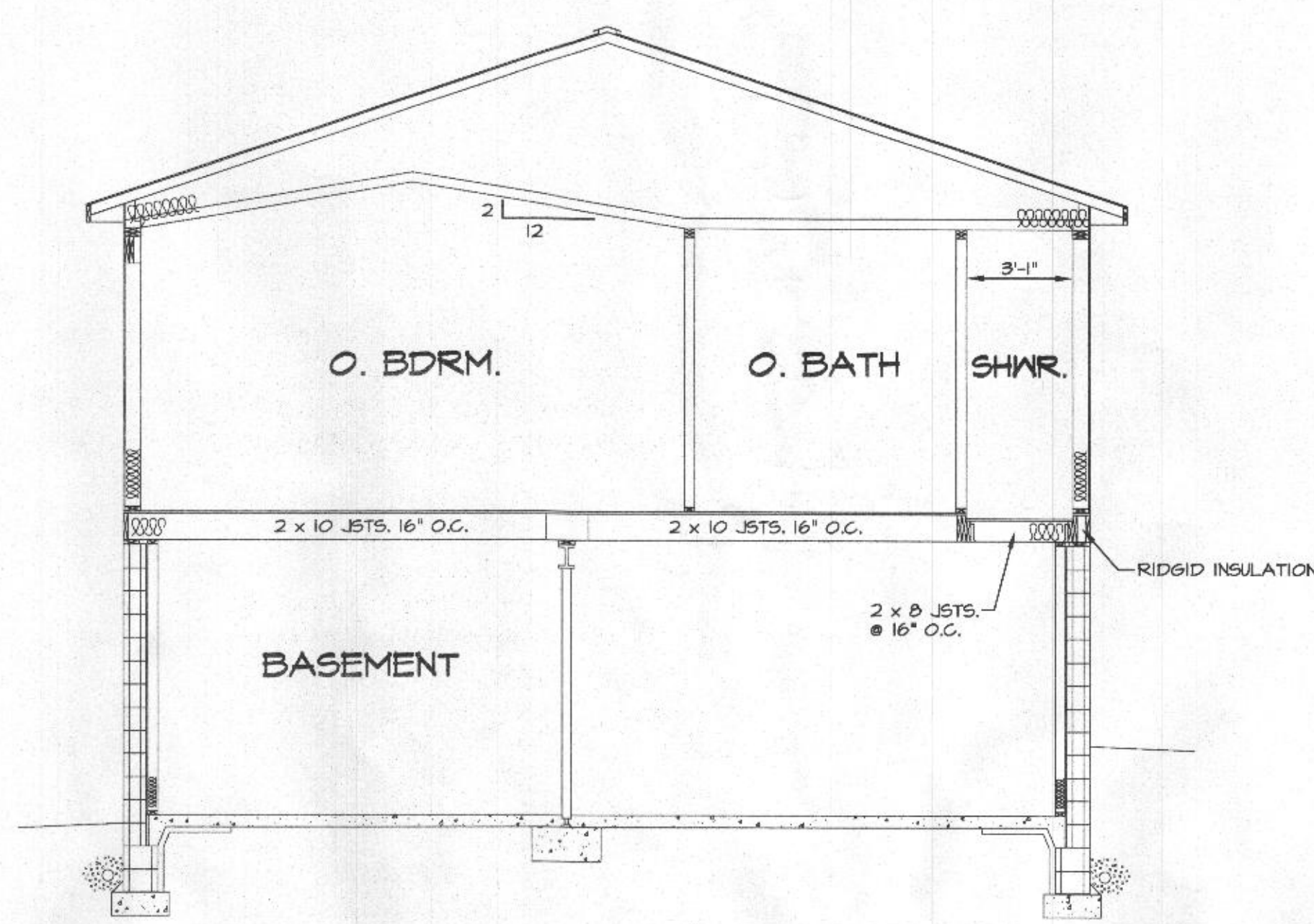
REVISIONS	
NO.	REMARKS

PROPOSED ADDITION FOR THE
EIGENBRODE RESIDENCE
MT. AIRY, MARYLAND 21771
17322 OLD FREDERICK ROAD
HOWARD COUNTY

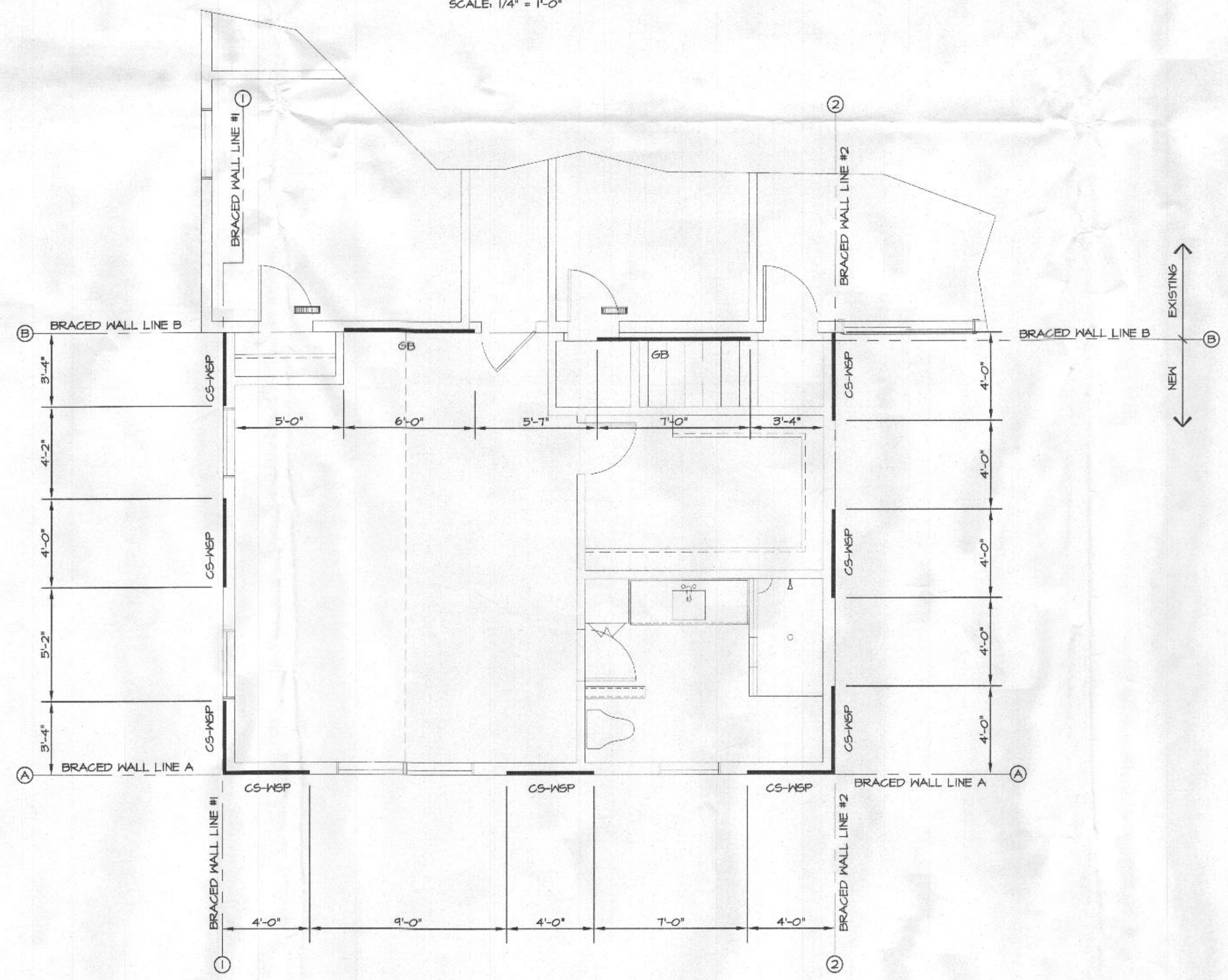
PERRINE DESIGN
1111 Yorkshire Way
Westminster, MD 21158
410-876-6517



SECTIONAL -S1
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"



SECTIONAL -S2
NEW CONSTRUCTION
SCALE: 1/4" = 1'-0"



WALL BRACING PLAN
SCALE: 1/4" = 1'-0"

BRACED WALL TABLE				
BRACED WALL LINE	BRACED WALL LINE SPACING	METHOD	MINIMUM LENGTH REQUIRED	LENGTH PROVIDED
LINE #1	28'-0"	CS-WSP	4.2'	10.66'
LINE #2	28'-0"	CS-WSP	4.2'	12.0'
LINE A	20'-0"	CS-WSP	3.0'	12.0'
LINE B	20'-0"	GB	11.5'	13.0'

CS-WSP = CONTINUOUS SHEATHING WOOD STRUCTURAL PANEL
GB = GYPSUM BOARD

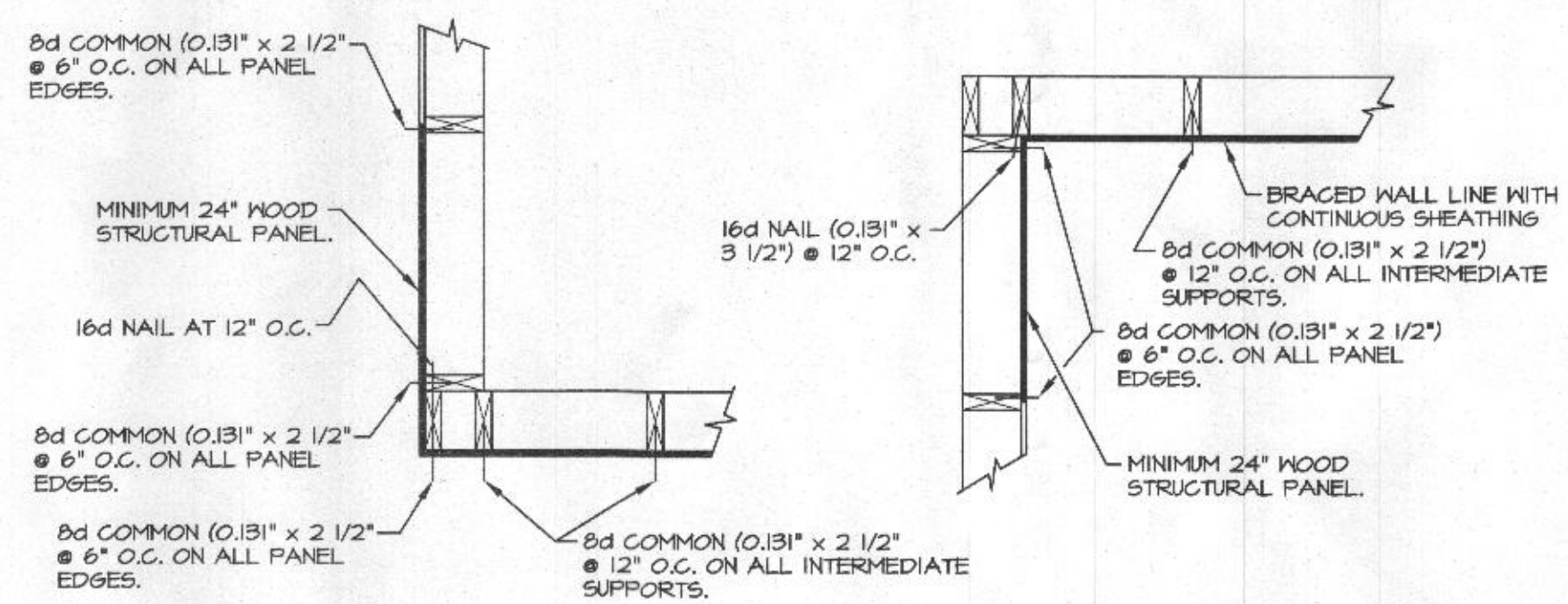
WALL BRACING DESIGN INFO:

LOCATION: HOWARD COUNTY, MARYLAND
SEISMIC CATEGORY: A
WIND SPEED: 110 MPH
METHOD: CONTINUOUS WOOD SHEATHING (1/16" OSB)

CONTINUOUS SHEATHING METHOD OF WIND BRACING.
(ALL AREAS TO BE SHEATHED WITH 1/16" OSB SHEATHING, INCLUDING AREAS ABOVE DOORS AND WINDOWS.)

CONNECTION CRITERIA

8d COMMON (0.131" x 2 1/2") NAILS AT 6" SPACING (PANEL EDGES) AND 12" SPACING (INTERMEDIATE SUPPORTS) OR 16 GA. x 1 3/4" STAPLES AT 3" SPACING (PANEL EDGES) AND 6" SPACING (INTERMEDIATE SUPPORTS).



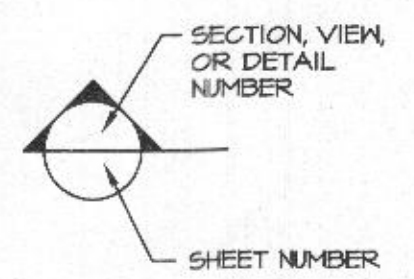
INSIDE AND OUTSIDE FRAMING DETAIL
SCALE: 3/4" = 1'-0"

REVISIONS

NO.	DATE	REV BY	REMARKS

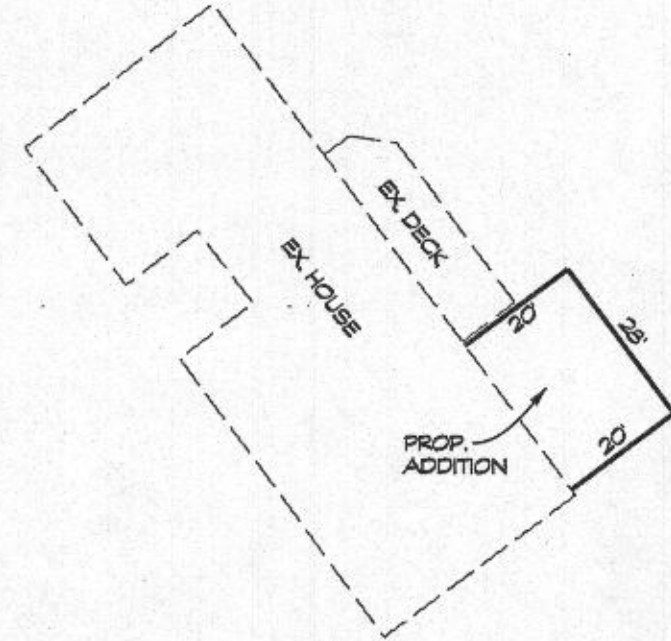
PROPOSED ADDITION FOR THE
EIGENBRODE RESIDENCE
17322 OLD FREDERICK ROAD
HOWARD COUNTY
MT. AIRY, MARYLAND
21771

PERRINE DESIGN
1111 Yorkshire Way
Westminster, MD 21158
410-876-6517



LEGEND:

- X 582.5 SPOT ELEVATION
- 2.2% FLOW PATH & SLOPE
- △ EX WELL
- APPROVED PERC TEST LOCATION
- FAILED PERC TEST LOCATION
- SEWAGE DISPOSAL AREA
- EX DECIDUOUS TREE
- EX EVERGREEN TREE

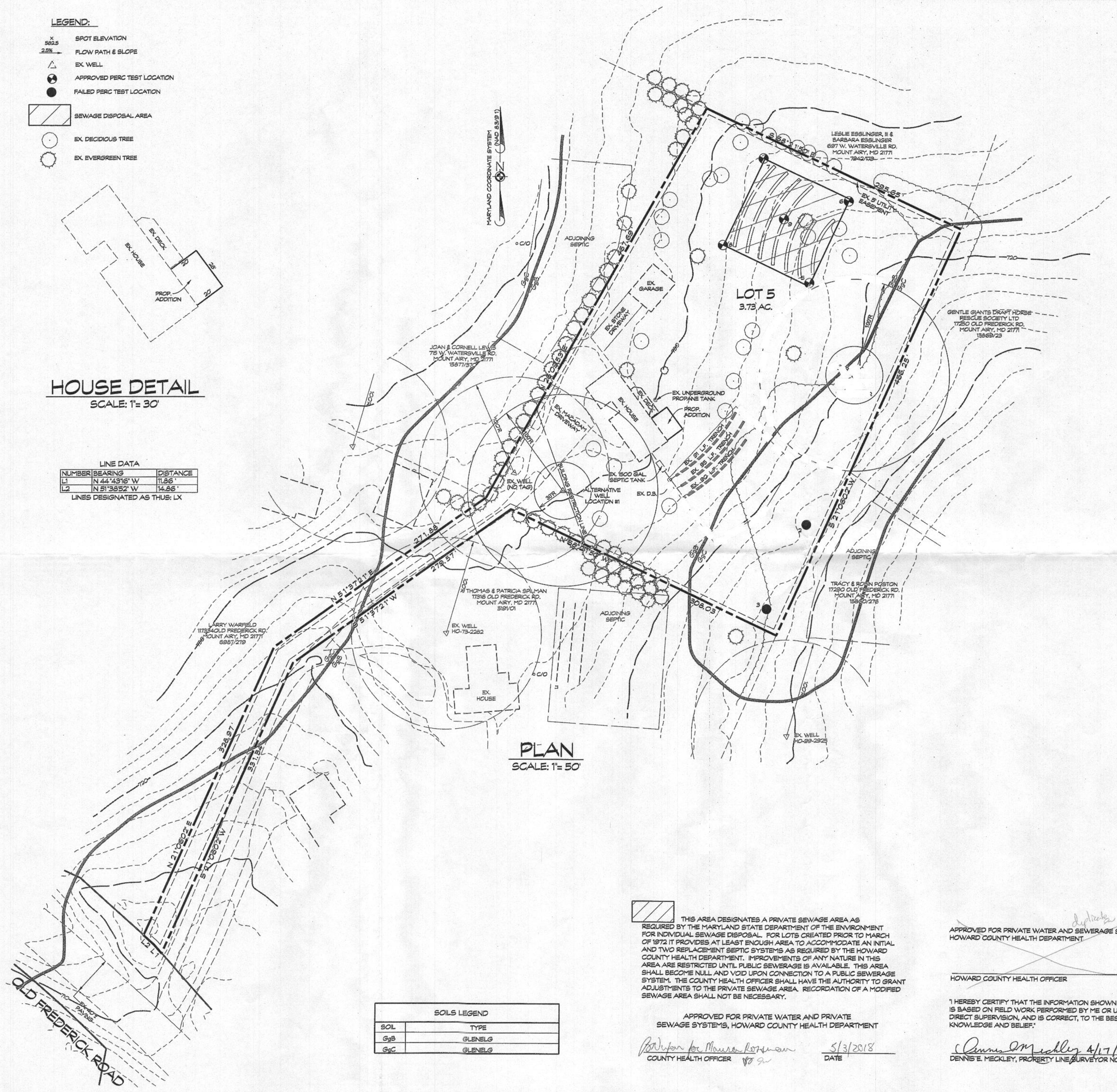


HOUSE DETAIL
SCALE: 1" = 30'

LINE DATA

NUMBER	BEARING	DISTANCE
L1	N 44°43'16" W	11.86'
L2	N 51°38'52" W	14.86'

LINES DESIGNATED AS THUS: LX



PLAN
SCALE: 1" = 50'

SOILS LEGEND

SOL	TYPE
GgB	GLENELG
GgC	GLENELG

THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.

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

Debra M. Moore
COUNTY HEALTH OFFICER DATE 5/3/2018

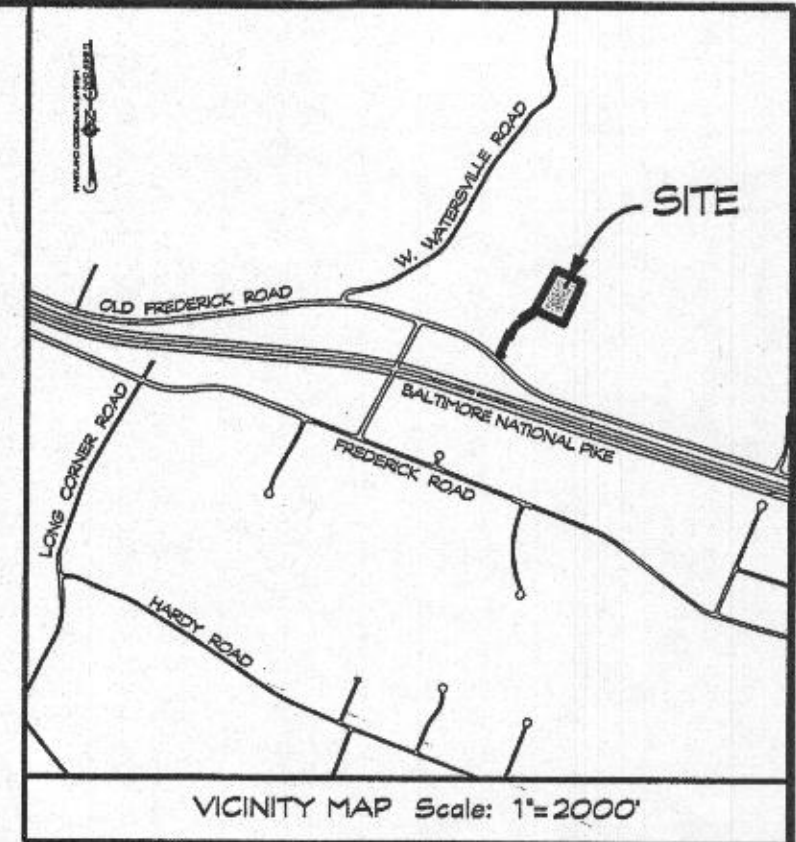
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER DATE

I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dennis E. Meckley 4/17/18
DENNIS E. MECKLEY, PROPERTY LINE SURVEYOR NO. 10844

OWNER/DEVELOPER
MICHAEL & KATHLEEN EIGENBRODE
17322 OLD FREDERICK ROAD
MOUNT AIRY, MD 21771



GENERAL NOTES

- CURRENT TITLE REFERENCE:
OWNER: MICHAEL & KATHLEEN EIGENBRODE
DEED REFERENCE: L 17744, F. 153
DATE: AUGUST 9, 2017
GRANTOR: RAYMOND CHARLES BURGER, JR.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200' SCALE TOPO MAPS AND FIELD VERIFIED BY CLSI TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
- EXISTING WELLS AND/OR SEWER EASEMENTS WITHIN 100' OF THE LOT LINES HAVE BEEN SHOWN.
- B.R.L. DENOTES BUILDING RESTRICTION LINE
- ANY CHANGES TO THE PRIVATE SEWER EASEMENT AND/OR ALTERNATIVE WELL LOCATION SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO SHOW A PROPOSED ADDITION.

DATA TABULATIONS:

- ZONING DISTRICT: RC-DEO
- NUMBER OF BUILDING SITES: 1
- TOTAL AREA OF LOT: 3.73 ACRES

SEPTIC SYSTEM TRENCH DESIGN:

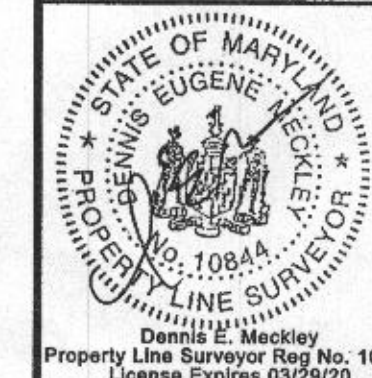
REPLACEMENT SYSTEMS (2):
PROPOSED NUMBER OF BEDROOMS = 5
APPLICATION RATE = 0.8 GPD/SQ. FT.
EFFECTIVE DEPTH IS 2'
150 GALS x 5 BEDROOM = 750 GAL/DAY
750 GAL/DAY / 0.8 GAL./DAY/SQ. FT. = 937.5 SQ. FT.
937.5 SQ. FT. x 3 FT. = 312 LF. OF TRENCH
312 LF. x .62 = 193.4 LF. OF TRENCH = 194 LF.
USE 2 x 97' OF TRENCH FOR EACH SYSTEM

REPLACEMENT SYSTEMS (1):
PROPOSED NUMBER OF BEDROOMS = 5
APPLICATION RATE = 0.8 GPD/SQ. FT.
EFFECTIVE DEPTH IS 2'
150 GALS x 5 BEDROOM = 750 GAL/DAY
750 GAL/DAY / 0.8 GAL./DAY/SQ. FT. = 937.5 SQ. FT.
937.5 SQ. FT. x 3 FT. = 312 LF. OF TRENCH
312 LF. x .62 = 193.4 LF. OF TRENCH = 194 LF.
USE 3 x 65' OF TRENCH FOR EACH SYSTEM

PERCOLATION TEST RESULTS, _____

SITE PLAN & PERC CERTIFICATION PLAN
BUILDING PERMIT #B18000282
NURSERY VIEW LOT 5

17322 OLD FREDERICK ROAD
EIGENBRODE PROPERTY
TAX MAP: 2 * BLOCK: 19 * PARCEL: 159
4th ELECTION DISTRICT * HOWARD COUNTY, MD



Dennis E. Meckley
Property Line Surveyor Reg No. 10844
License Expires 03/2020

439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By: BM
4/16/18	REVISED TO ADD PERC TEST INFORMATION	Designed By:
		Reviewed By:
		Date: 2/28/18
		Scale: AS SHOWN
		Job No.: 2018053
		Sheet: 1 OF 1



HOWARD COUNTY HEALTH DEPARTMENT

62922

3 / 12 / 18 DATE

AS

Received From

Michael Jay Eigenbrode

PHONE # 410-871-4475

For Perc test - 17322 Old Frederick Rd
Mt. Airy 21111

CASH

CHECK

NO. 632

Five hundred and Dix _____ cc/100
Dollars

\$ 506.00

Received By V. DeKruy