



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

May 4, 2009

Clark Martin
3494 Rosemary Ln,
Ellicott City, Maryland 21794

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D.
Deputy Secretary

Dear Clark Martin:

Thank you for completing an application for the Bay Restoration Fund (BRF) Onsite Sewage Disposal System (OSDS) Program. The application submitted is for the property located at 3494 Rosemary Ln, Ellicott City, Maryland 21794 and shown on Tax Map 22, Grid 4, Parcel 303. This letter is to notify you of preliminary approval and high priority for funding from the BRF for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

This notification letter is intended to assist you through the process of contracting a vendor for the purchase and installation of a BAT, and invoicing procedures to obtain funding from the BRF. The following sections outline the requirements necessary for proceeding with the project.

➤ **Vendor Selection:**

(Option 1): Applicant Selects a Fixed Price Pre-Approved Vendor:

Maryland Department of the Environment has preselected the following three BAT vendors who will provide and install the technology at a predetermined cost:

- **Hoot Aerobic Systems, Inc. (Hoot BNR®):**
Distributor: Mayer Brothers, Inc. Contact: Nancy Mayer
Phone: (410) 796-1434 Website: www.hootsystems.com Email: mayerbro@connext.net

Region	Bedrooms	Fixed Price
Western ⁵	3 to 6	\$14,200
Central ⁶	3 to 6	\$13,100
Southern ⁷	3 to 6	\$13,500
Eastern ⁸	3 to 6	\$13,700

⁵ Allegany, Garrett, Frederick, Washington,

⁶ Baltimore, Harford, Howard, Carroll, Montgomery, Anne Arundel, Cecil

⁷ Prince George's, Charles, Calvert, St. Mary's

⁸ Caroline, Queen Anne's, Dorchester, Kent, Somerset, Talbot, Wicomico, Worcester

- **Orenco Systems, Inc. (AdvanTex® AX)**

Distributor: Atlantic Solutions, Ltd.

Contact: Bob Johnson

Phone: 1-877-214-9283 **Website:** www.orenco.com **Email:** bjohnson@septicssystems.net

Region	Bedrooms	Fixed Price
Western	3 to 4	\$14,868.40
	5	\$16,606.80
	6	\$20,422.80
Central	3 to 4	\$12,950.40
	5	\$14,464.80
	6	\$18,280.80
Southern	3 to 4	\$12,700.40
	5	\$14,264.80
	6	\$18,080.80
Eastern	3 to 4	\$13,068.40
	5	\$14,806.80
	6	\$18,622.80

- **Bio-Microbics, Inc. (MicroFast®)**

Distributor: Feemire & Associates

Phone: (410) 768-8500 **Website:** www.biomicrobics.com

Email: www.freemire.com

Region	Bedrooms	Fixed Price
Western	3 to 4	\$11,625
	5 to 6	\$13,807
Central	3 to 4	\$11,425
	5 to 6	\$14,107
Southern	3 to 4	\$11,525
	5 to 6	\$14,507
Eastern	3 to 4	\$10,625
	5 to 6	\$13,807

The applicant may choose any of the three pre-approved technologies and must contact the vendor directly. When choosing from the above technologies the applicant may want to request information on the annual cost of power consumption from the vendor. After vendor selection, the homeowner must provide MDE with a signed contract between the homeowner and the vendor. **MDE will provide BRF funding for 100% of the chosen technology.**

(Option 2): Applicant Selects Vendor and Procures Bids

Applicants may also select from other MDE approved BAT vendors, which are listed below. The applicant can procure bids from the other vendors however the grant amount will be limited to the least expensive of the preapproved vendor technologies appropriate for the designated region. Your property is located in the Central region and the total grant allotment is capped based on the following table:

Region	Bedrooms	Fixed Price
Western	3 to 4	\$11,625
	5 to 6	\$14,200
Central	3 to 4	\$11,425
	5 to 6	\$13,100
Southern	3 to 4	\$11,525
	5 to 6	\$13,500
Eastern	3 to 4	\$10,625
	5 to 6	\$13,700

The following is the list of other approved technologies:

Amphidrome			
Manufacturer:	F.R. Mahony & Associates, Inc.	www.frmahony.com	
Distributor:	David Kershner	(610) 351-0963	d.kershner@kettle.com
Bioclere			
Manufacturer:	Aquapoint, Inc.	www.aquapoint.com	
	Robbie Tippet	(240) 298-7572	rtipp4@aol.com
	Sam Seymour	(585) 473-3300	sseymour@aquapoint.com
Ecoflex			
Manufacturer:	Premier Tech Environment		
	Allison Blodig	(785) 250-3215	bloa@premiertech.com
Hoot H-Series, ANR			
Manufacturer:	Hoot Aerobic Systems, Inc.	www.hootsystems.com	
Distributor:	Nancy Mayer	(410) 796-1434	mayerbro@connex.net
Nitrex			
Manufacturer:	Lombardo Associates, Inc	www.lombardoassociates.com	
	Pio Lombardo	(617) 964-2924	pio@lombardoassociates.com
ReCip RTS			
Manufacturer:	Bio-Concepts, Inc.	www.bioconceptsinc.com	
	Al Privette	(252) 249-7040	alprivette@coastal.net
SeptiTech			
Manufacturer:	SeptiTech, Inc.	www.septitech.com	
Distributor:	Bruce Melton	(410) 878-2952	rbmelton@progressiveseptic.com
	Western MD, Scott Everhart	(304) 676-3823	www.cseenterprises.net
Singular Model TNT			
Manufacturer:	Norweco, Inc.	www.norweco.com	
Distributor:	Eastern Shore - John Short	(443) 786-0594	btowers62@gmail.com
	Western Shore - Jeff Earnshaw	(301) 274-3772	superiortank@olg.com
Waterloo Biofilter			
Manufacturer:	Waterloo BioFilter Systems, Inc.	www.waterloo-biofilter.com	
Distributor:	Jones Pump Service	(410) 836-9206	manager@jonespumpservice.com

If you choose to acquire bids according to this option, you are advised that MDE will provide BRF funding up to the aforementioned dollar amount, and you will have to pay any difference.

Conditions of Financial Assistance Document

By reading and signing this form, you agree to the limitations and conditions set forth in this document. This form must be returned with your submission of bids or vendor contract. Your submission will not be processed if this form does not accompany the bids or vendor contract when you submit them.

➤ **Award of Grant:**

- MDE will review the contract or bids submitted by the applicant. The grant award will be obligated based on the predetermined vendor/technology list or the lowest acceptable bid. The applicant may pay the cost difference of a more expensive bid.
- No change orders will be accepted by MDE.

- The applicant will be notified with an Award Letter with the amount of the grant obligation, Agreement and Easement document and further instructions.
- The award amount is available for reimbursement within 6 months of Department signature on the Agreement and Easement document. Upon request of the applicant, the original 6-month period may be extended at the discretion of the Department.

Agreement and Easement Document

The Agreement and Easement you will receive with the award letter must be signed by all parties and recorded in the Land Records of Howard County, Maryland. The cost of recordation is not eligible for BRF funding. A draft copy of the Agreement and Easement is provided to you in this letter for your review. A completed Agreement and Easement will be provided to you after you are notified of the grant approval amount.

➤ **Local Permitting Requirements:**

- All required local permits must be obtained.
- The County has the right to determine your availability to connect to public sewer. If you have access and your system is failing or your property is in an area that is scheduled to have a public sewer line your request for funds may be denied.
- Contact Howard County Health Department for more information.

➤ **Issuance of Funds From the BRF:**

After review of the submitted invoice and associated documents, the Office of the Comptroller of the State of Maryland will issue a check to the property owner.

Once again the Department thanks you for participating in this important program. If you have any questions, please feel free to contact me at 410-537-3678 or by email at jboris@mde.state.md.us.

Sincerely,



John Boris
Bay Restoration Fund Project Manager

Enclosure

cc: Jay Prager
MDE Regional Sanitarian
County Health Department or other related department

88 JUN 13 10 01 AM '08



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

May 13, 2009

Clark Martin
3494 Rosemary Lane
Ellicott City, Maryland 21042

RE: Bay Restoration Fund On-site Sewage Disposal
System Program

Dear Clark Martin,

The Health Department received your preliminary approval letter from the Maryland Department of the Environment for funding from the Bay Restoration Fund. This funding is for the installation of best available technology (BAT) for removing nitrogen as part of your on-site sewage disposal system.

Once the specific technology has been determined and approved by the Maryland Department of the Environment, you or your consultant will be responsible for providing a detailed cross-sectional/spec sheet of what is proposed to be installed at your property, i.e. new tank, BAT to be used with existing tank, etc. If a new tank is to be used, a drawing showing the new, detailed tank along with a profile showing the depth and amount of earth cover shall be submitted to this office. These details should be available from the manufacturer. If the existing tank is to be used, a structural analysis of the tank, i.e. water tightness, mid or top seam, cosmetic or physical damage, slotted, etc., needs to take place and approved by the manufacturer.

In addition, a scaled site plan showing the exact locations of the well and septic components, i.e. septic tank and dry well, must be submitted to this department for review. Neighboring septic systems and wells may need to be included on the site plan. Elevations of system components may be required based on site characteristics. Also submit contact information of the contractor that is to install the system, including a phone number. BAT systems may be subject to Howard County Health Department Code and the Annotated Code of Maryland Regulations (COMAR), i.e. setback to dwelling, existing drive, existing well, slopes, etc.

Once these comments have been reviewed by the Health Department, and a copy of the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration has been received in the Health Department, the septic permit can be released. A fee of \$396.00 is required in order to receive this septic permit for installation of the pretreatment system for the above referenced property.

If you have further questions regarding this matter, please contact me at (410) 313-1771.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sara Sappington', written over a horizontal line.

Sara Sappington, R.S.
Well and Septic Program

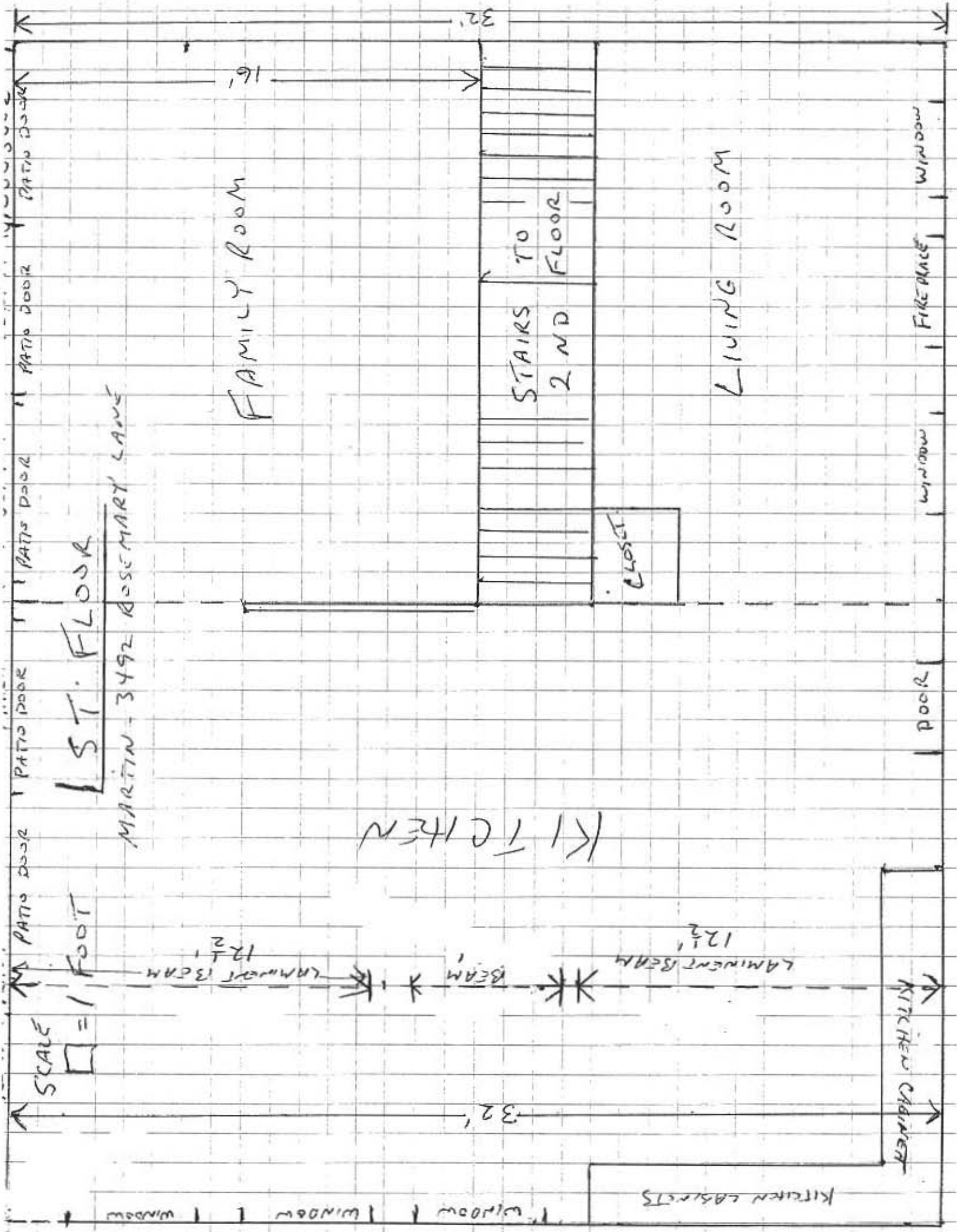
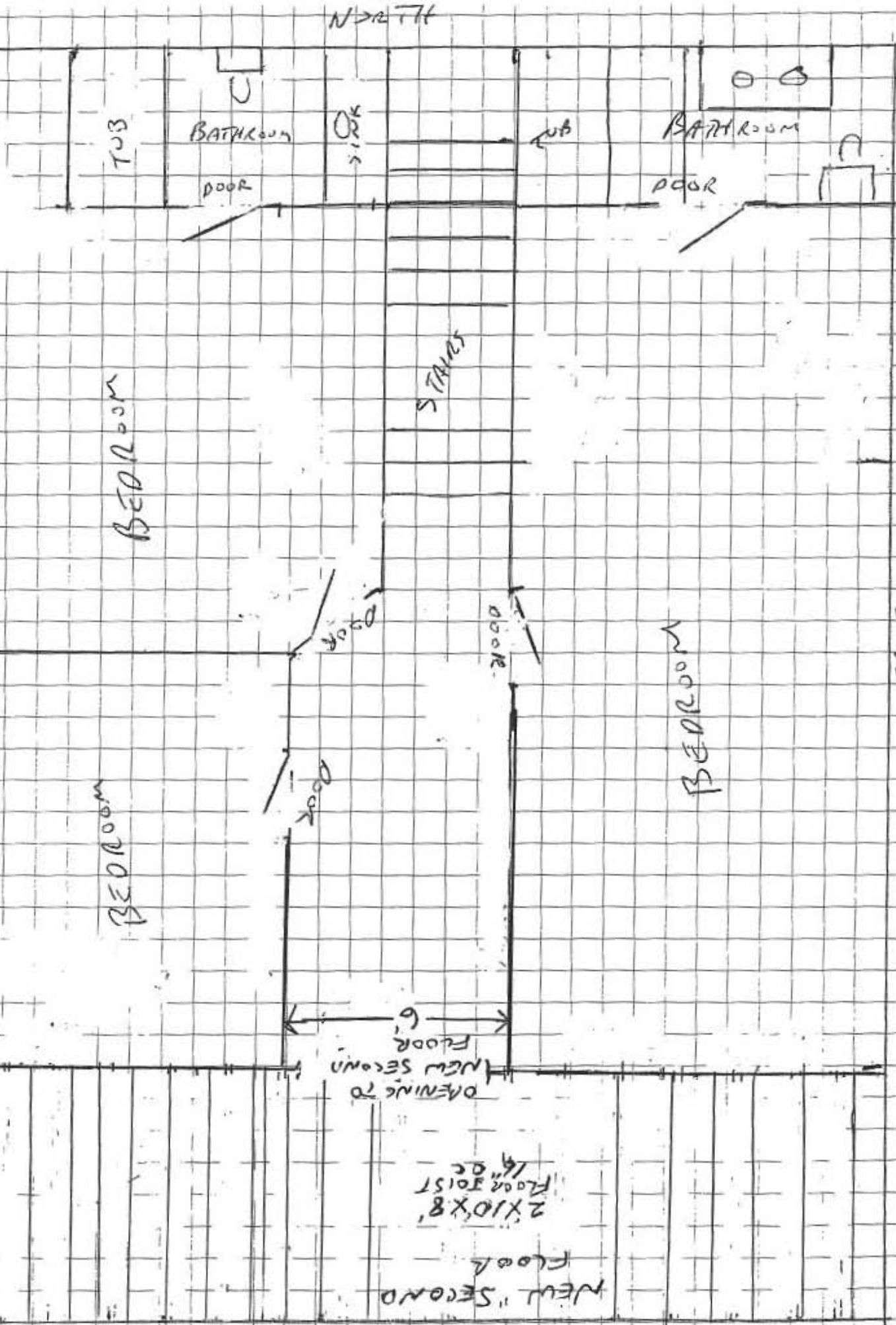


EXHIBIT MARKING - 3492 ROSEMARY LANE, ELUCOTI CITY MD
2ND FLOOR
21042
REVIS'D DRAWINGS
PERMIT # B10003002

WEST
= 1'

SCALE \square = 1 FOOT

2ND FLOOR



NEW "SECOND FLOOR"

2'x10'x8' Floor Joist

DENING TO NEW SECOND FLOOR

6'

BEDROOM

BEDROOM

BEDROOM

BATHROOM

BATHROOM

STAIRS

NORTH

TUB

DOOR

DOOR

DOOR

DOOR

DOOR

SCALE

1" = 1 FOOT

SOUTH SIDE

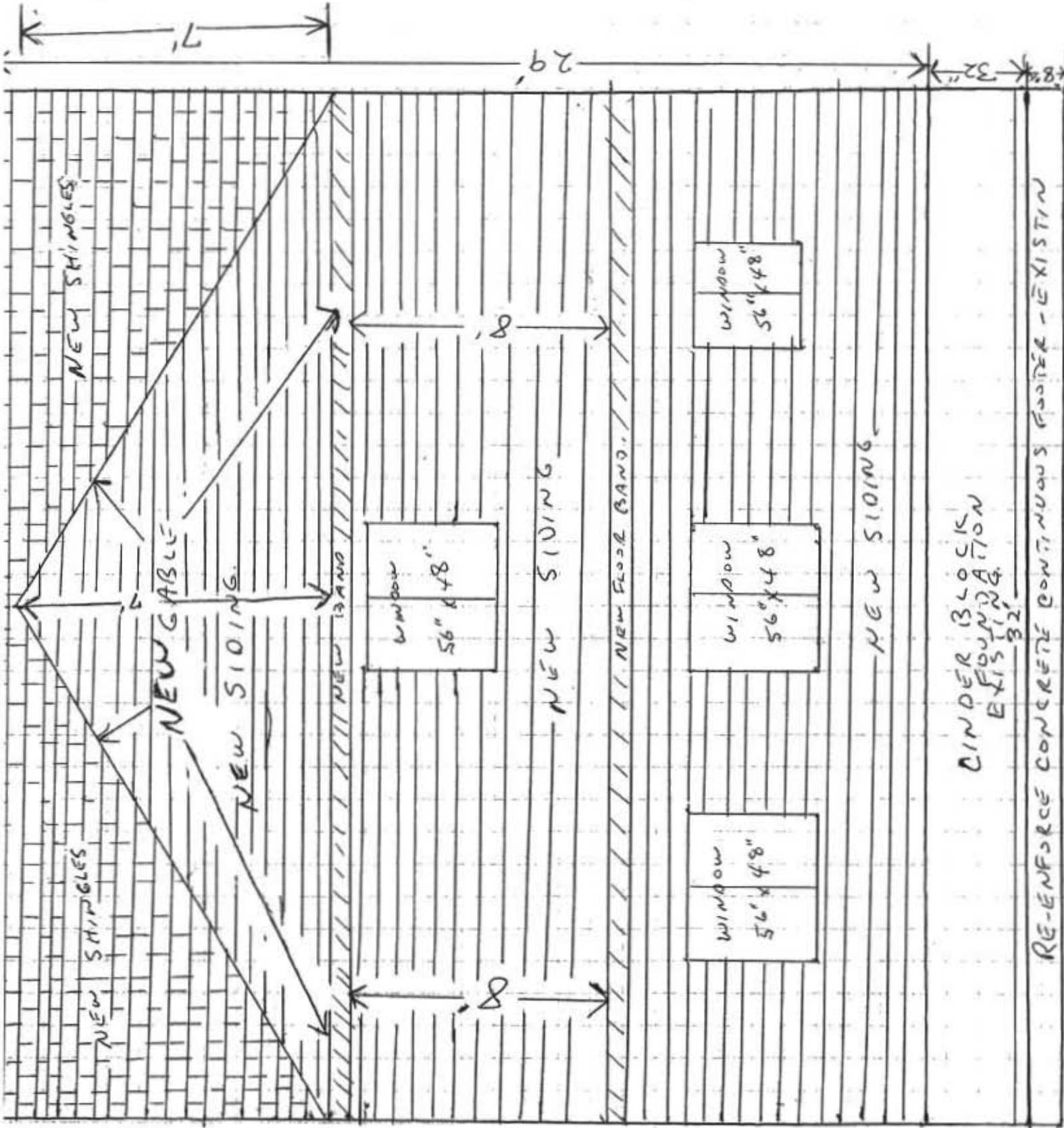
MARTIN 3492

ROSEMARY LANE

MARTIN - 3492 ROSEMARY LANE

REVISED DRAWINGS

PERMIT # B10003002



MARTIN-3442 ROSMANN, WIND-
ELICOTT CITY, MD 21042 29' TO GROUND

REVISOR: SHAW
PERMIT # B10003602

□ = 1 FOOT

EAST SIDE

BACK OF HOUSE

SIDING

SIDING

SIDING

NEW GABLE

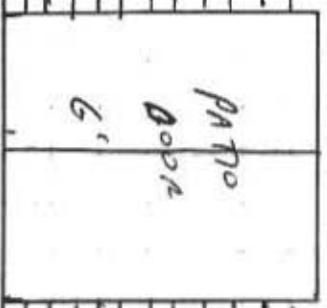
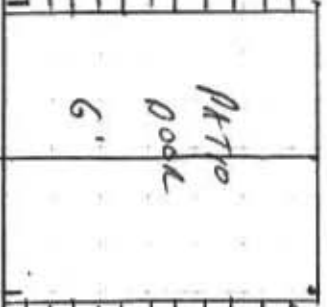
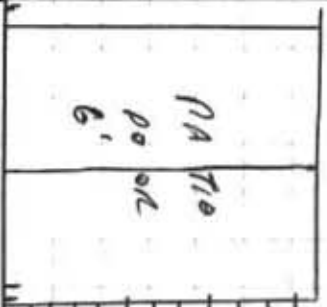
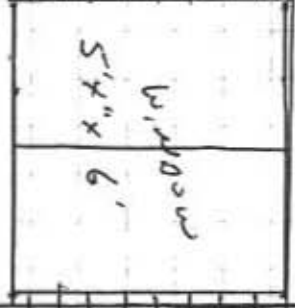
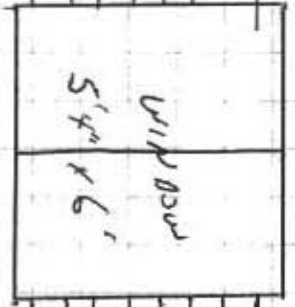
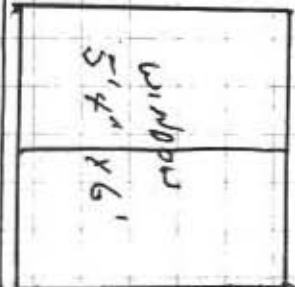
NEW STENCILS

NEW STENCILS

NEW BAND

NEW CONSTRUCTION

NEW CONSTRUCTION



CINDER BLOCK FOUNDATION EXISTING

40'

8" REINFORCED CONTINUOUS FOOTER

19'6"

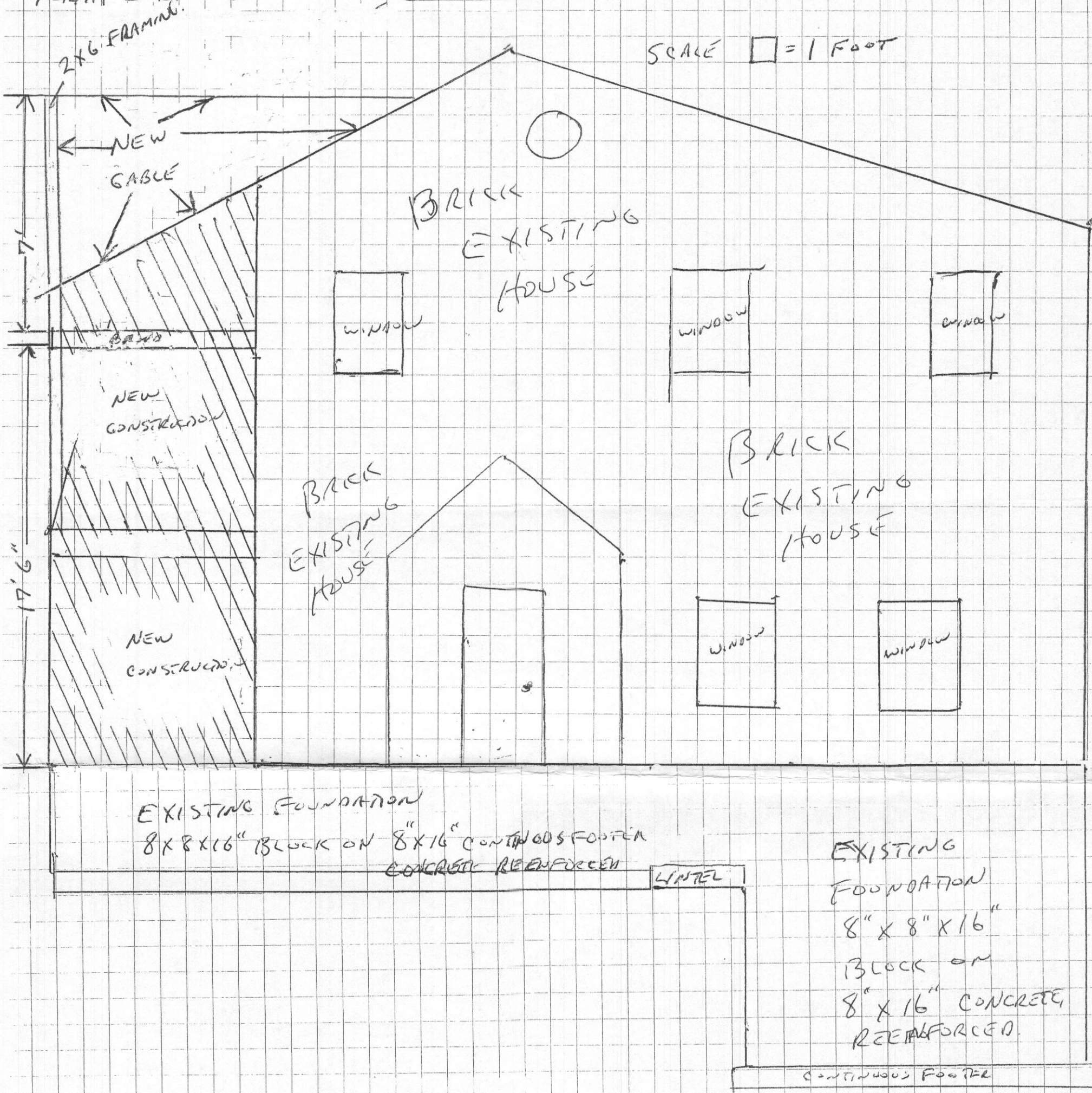
17'6"

8'6" SIDING

MARTIN 3492 ROSEMARY LANE
REVISED DRAWINGS
PERMIT # B10003002

FRONT OF HOUSE

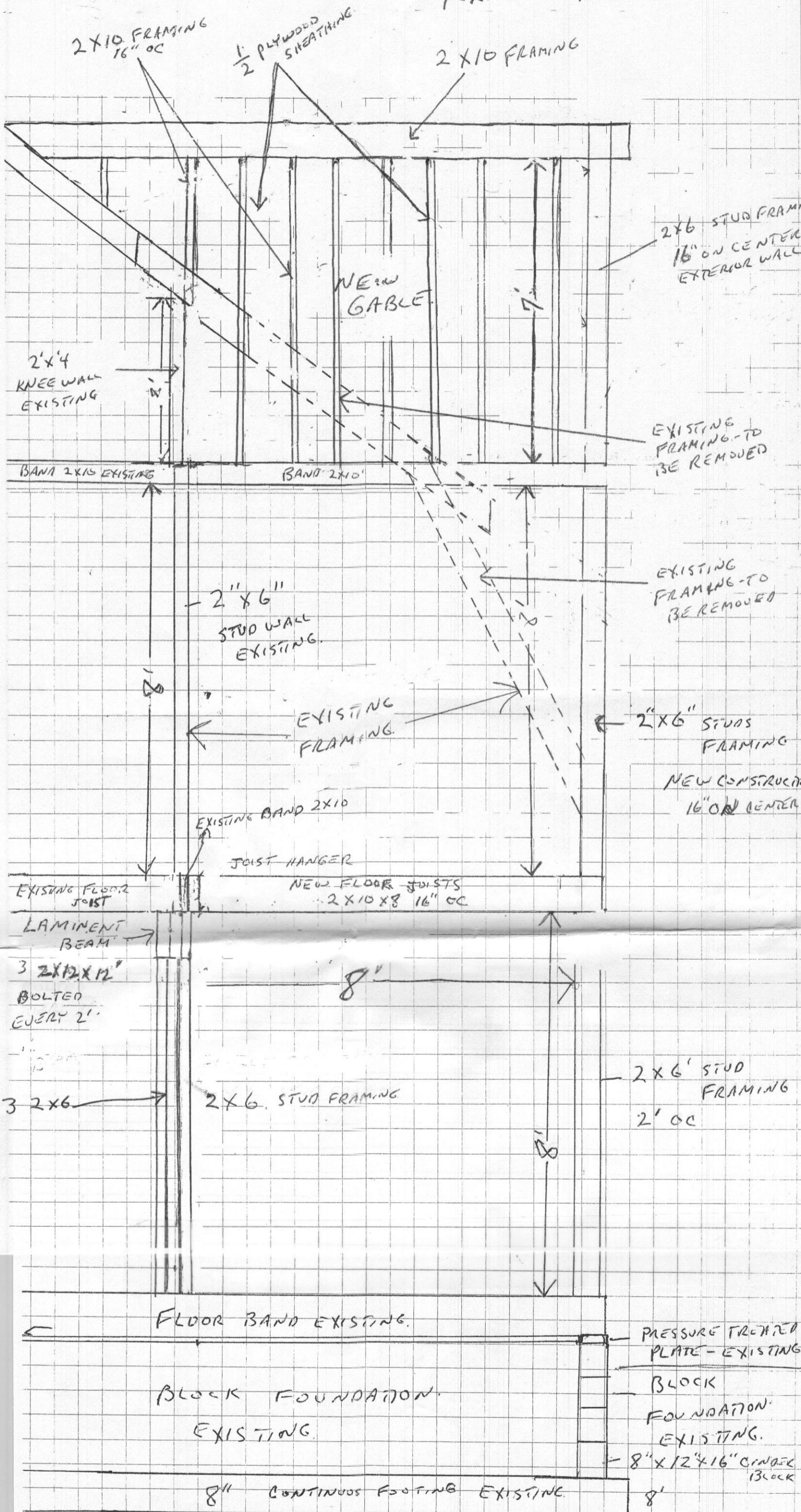
EAST ELEVATION



SCALE $\square = 6''$

CROSS SECTION ADDITION

MARTIN-3492 ROSEMARY CA
REVISED DRAWINGS FOR
PERMIT # B10003002



2x10 FRAMING
16" OC

1/2 PLYWOOD SHEATHING

2x10 FRAMING

2x6 STUD FRAMING
16" ON CENTER
EXTERIOR WALL

NEW GABLE

2x4 KNEE WALL
EXISTING

EXISTING FRAMING - TO
BE REMOVED

BAND 2x10 EXISTING

BAND 2x10

2x6 STUD WALL
EXISTING

EXISTING FRAMING - TO
BE REMOVED

EXISTING FRAMING

2x6 STUDS
FRAMING

NEW CONSTRUCTION
16" ON CENTER

EXISTING BAND 2x10

JOIST HANGER

EXISTING FLOOR JOIST

NEW FLOOR JOISTS
2x10x8 16" OC

LAMINANT BEAM

3 2x12x12
BOLTED
EVERY 2'

8"

3 2x6

2x6 STUD FRAMING

2x6 STUD FRAMING
2' OC

FLOOR BAND EXISTING

BLOCK FOUNDATION
EXISTING

PRESSURE TREATED
PLATE - EXISTING

BLOCK FOUNDATION
EXISTING

8" x 12" x 16" CONCRETE
BLOCK

8" CONTINUOUS FOOTING EXISTING

8'