

Davidson County Health Department Operations Permit

Joshua Hedrick
Applicant's Name

Lot 51A Bethesda
Subdivision/Section/Lot #

Ward Bros
Wastewater System Installer

Byron Jones
Authorized State Agent

2-21-22
Date

Facility Description: 3br Designed Daily Flow: 360 Maximum Occupancy: 6

Initial System Type: IIIg 8" low profile chambers Repair System Type: IIIg / IIIa

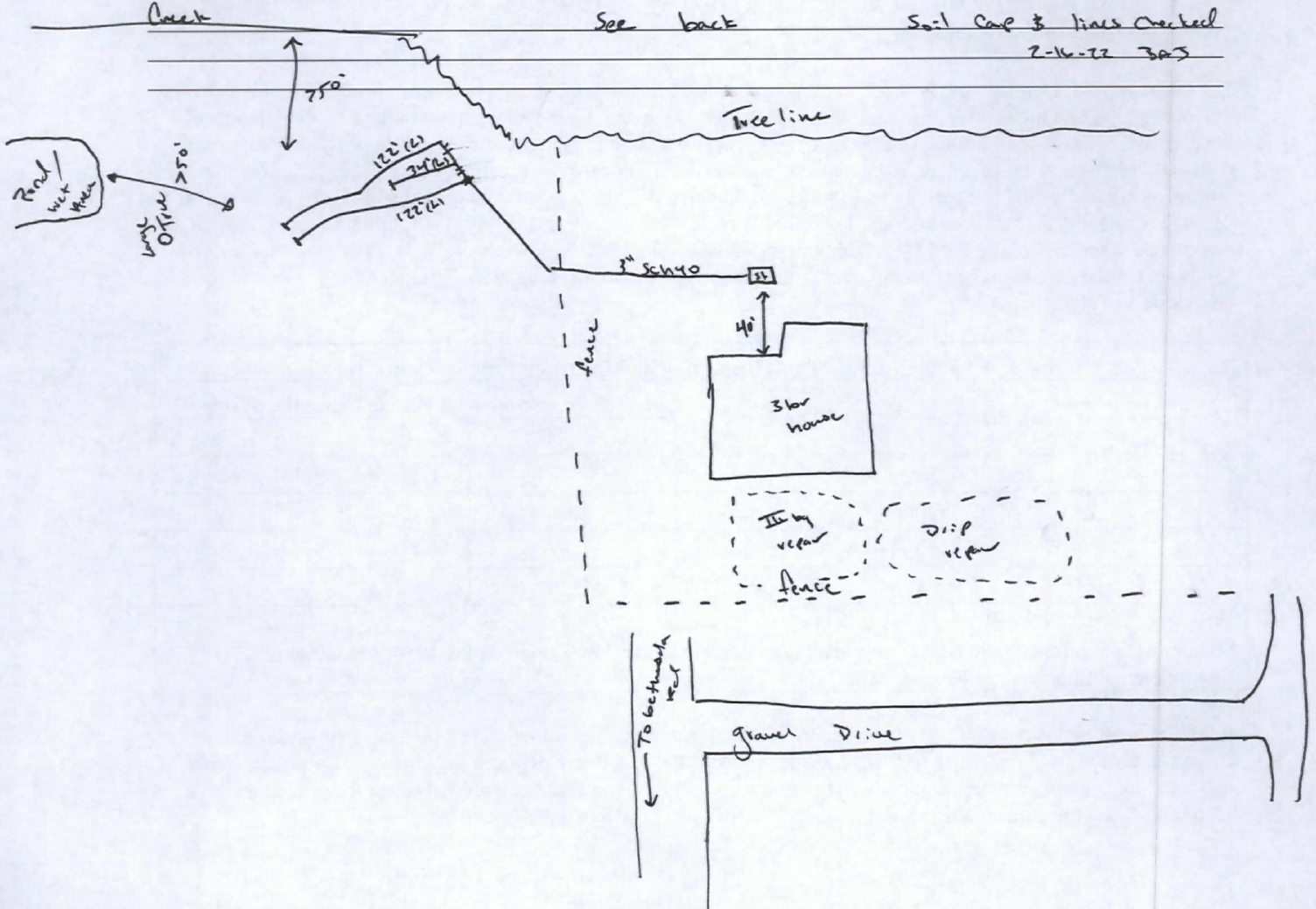
Septic Tank: Shaw 1000 s/h/760 12-3 Filter Type: Polycot

Pump Tank: _____ Pump Model _____

Nitrification Field (Sq. Ft.) 834ft² Nitrification Line (Linear Ft.) 278 ft

Permit Conditions:

Creek See back Soil cap & lines checked
2-16-22 JAS



GENERAL SEPTIC TANK MAINTENANCE

The septic system is an effective, long-standing method for collecting, treating, and disposing of sewage from rural and suburban homes and businesses. Septic systems are used in every county in North Carolina. Nearly 50 percent of the state's homes have them. This fact sheet will answer some typical questions about septic systems and their maintenance.

- Do not put too much water into the septic system; typical water use is about 50 gallons per day for each person in the family.
- Do not add materials (chemicals, sanitary napkins, applicators, and so on) other than domestic wastewater.
- Restrict the use of your garbage disposal.
- Do not pour grease or cooking oils down the sink drain.
- Make a diagram showing the location of your tank, drainfield, and repair area.
- Install a watertight riser over the septic tank to simplify access.
- Have the effluent filter in the septic tank cleaned periodically by a professional.
- Have the solids pumped out of the septic tank periodically.
- Maintain adequate vegetative cover over the drainfield.
- Keep surface waters away from the tank and drainfield.
- Keep automobiles and heavy equipment off the system.
- Do not plan any building additions, pools, driveways, or other construction work near the septic system or the repair area.

The frequency with which you will need to pump depends on three variables: the tank size, the amount of water used by your family, and the solids content of your wastewater. If you are unsure about when to have the tank pumped, have a professional operator observe the rate of solids accumulation in the tank each year. He or she can clean and replace the effluent filter cartridge in the tank at the same time. The tank should be pumped if the sludge layer at the bottom of the septic tank has built up to within 25 to 33 percent of the tank's liquid capacity or if the scum layer in the tank is more than 4 to 6 inches thick. Therefore, a typical 1,000-gallon tank with a 4-foot liquid capacity should be pumped when the solids reach 1-foot thick in the tank bottom. If the tank is not easily accessible and the rate of solids accumulation cannot be checked yearly, then you may wish to inspect and pump it according to the frequency guidelines in Table 1.

Table 1: Estimated Septic Tank Inspection and Pumping Frequency in Years						
Tank Size	(gallons)	Number of People Using the System				
		1	2	4	6	8
	900	11	5	2	1	<1
	1,000	12	6	3	2	1
	1,250	16	8	3	2	1
	1,500	19	9	4	3	2

Source: Adapted from "Estimated Septic Tank Pumping Frequency" by Karen Manel, 1984. Journal of Environmental Engineering. Volume 110.

If the septic system is not used very often (as in an infrequently used vacation home with a correctly sized tank), it will probably not need to be pumped as frequently as indicated in Table 1. If you use a garbage disposal, the tank may need to be pumped more frequently. After a few inspections, you should be able to adjust the schedule according to the rate at which solids accumulate.

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**DAVIDSON COUNTY
HEALTH DEPARTMENT**
Protecting, Caring, Serving Our County

Lillian Koontz, MPA, REHS
HEALTH DIRECTOR

Rebecca Daley, RN, MHA
CHAIR, BOARD OF HEALTH

Michael Garrison, MD
MEDICAL DIRECTOR

IMPROVEMENT PERMIT AMENDMENT FORM

OWNERS NAME Joshua Hedrick PERMIT NO. 2018-581

ADDRESS: 4762 East Holly Grove Road Thomasville, NC 27360 PHONE NO. 336 953 7231

TOWNSHIP 11 TAX MAP 303A LOT NO. 51A

SUBDIVISION _____

REASON FOR PERMIT AMENDMENT Changing application from four bedrooms to three bedrooms

I hereby make application to the Davidson County Health Department for the improvement permit amendment described above. In the case of a reduction of bedrooms, I understand that any room that can reasonably be expected to function as a bedroom shall be considered a bedroom for the design purposes and authorize Health Department representatives to go on and in such property prior to occupancy to verify this amendment. I agree that the contents of this amendment request are true and further understand that changes in the structure from the permit design could result in Certificate of Completion or Operation Permit suspension or revocation

OWNER 

DATE 8/23/18

Davidson County Health Department

Improvement Permit

If the information on the Improvement Permit is falsified, changed, or the site is altered, then the Improvement Permit shall become invalid

Permit is Valid for Five Years

No Expiration Date

Date Rec: 03 Aug 2018

Map Code:

File No: 2018000581

Applicant:

HEDRICK, JOSHUA & HEATHER

Address:

4762 E HOLLY GROVE RD
THOMASVILLE NC 27360

Daytime Phone:

3369537231

Owner/Legal Representative:

HEDRICK, JOSHUA & HEATHER

Address:

4762 E HOLLY GROVE RD
THOMASVILLE NC 27360

Daytime Phone:

3369537231

Subdivision:

Map: 303A Lot: 51A Section: Township: 11

Road Name: BETHESDA ROAD

Directions to Property: BETHESDA ROAD. (TO LEFT OF 3611 BETHESDA F

Facility Type: HOUSE New: Repair: Expansion: Water Supply: Municipal-Existing

No. of Bedrooms: A3 No. of Occupants: 3 Basement: YES Basement Fixtures:

No. of Employees: Jmk Other: Projected Daily Flow: 360 gpd

Pump: Yes No Proposed Wastewater System Type: IIIg 8" Low Profile Chamber at-grade

Permit Conditions: See ATC & Site Plan

Permit Granted: Permit Denied: Authorized State Agent: Jean M. Hoontz REHS Date: 08-22-18

Owner/Legal Representative's Signature: X Date: _____

Authorization to Construct Wastewater System

The Authorization for Wastewater System Construction is subject to revocation if the site plan or plat changes, the intended use of the property changes, or if the site is altered or is misrepresented in any way.

Type of Wastewater System: IIIg 8" Low Profile Chamber at-grade Projected Daily Flow: 360 gpd

Wastewater System Requirements

Tank Size: 1000 gal Pump Tank Size: _____ Square Footage: 800ft²

Trench Length: 266' Max. Trench Depth: * 8" MAX! * Trench Width: 3'

No. of Trenches: 1 Aggregate Depth: Gravelless

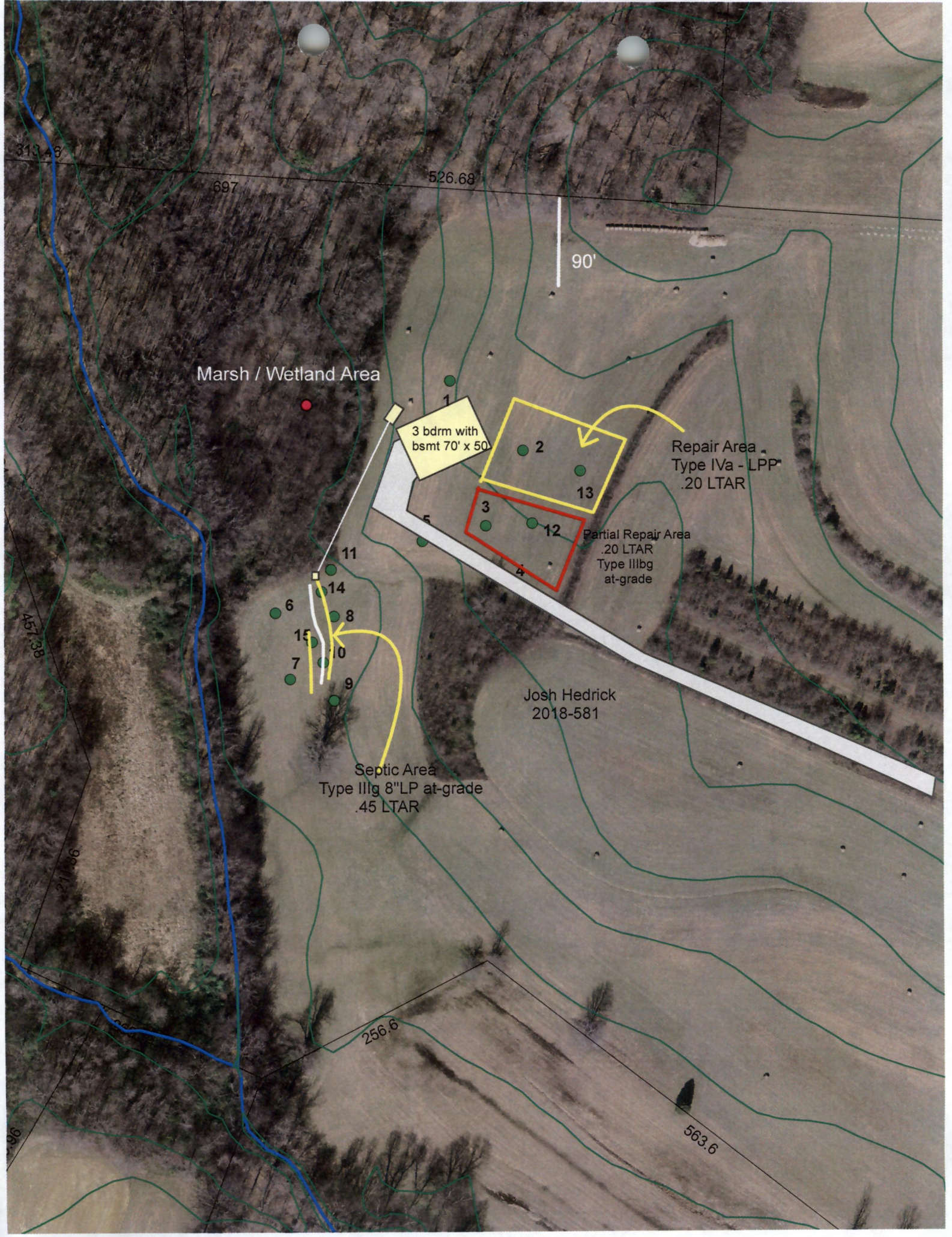
Permit Conditions: See Site Plan. System laid-off on contour. Additional clean clay

Soil will be required to cover entire septic area at least 6" thick & must be approved by health dept prior to installation.

See Site Plan / Plat On Attached Sheet

Permit Granted: Permit Denied: _____ Authorized State Agent: Jean M. Hoontz REHS Date: 08-23-18

Owner/Legal Representative's Signature: X Date: _____



Marsh / Wetland Area

3 bdrm with
bsmt 70' x 50'

Repair Area
Type IVa - LPP
.20 LTAR

Partial Repair Area
.20 LTAR
Type IIIbg
at-grade

Septic Area
Type IIIg 8"LP at-grade
.45 LTAR

Josh Hedrick
2018-581

313.46

697

526.68

90'

457.38

256.6

563.6

96

Site/Soil Evaluation

Date	Profile#	Type	Landscape Position	% Slope	Horizon1	Horizon2	Horizon3	Horizon4	Soil Wetness	Restrictive Horizon	Saprolite	LTAR	Classification	Comments
8/17/2018	15	Boring	terrace	1	0-16 sl vfr ns np gr sexp	16-22 scl fr ss sp wsbk sexp			22"			0.45	U/PS	
8/17/2018	14	Boring	terrace	1	0-22 sl vfr ns np gr sexp	22+ scl fr ss sp wsbk sexp			22"			0.6	U/PS	

Available Space(1945) PS
 Other Factors (1946) PS
 Site Classification (1948) U/PS

Comments:

Initial System LTAR .45
 Repair System LTAR .20
 Initial System Type IIIg 8" LP Chamber at grade
 Repair System Type IIIbg

Site/Soil Evaluation

File #: ~~2007-142A~~ 2018-581
 Evaluating EHS: JMK
 Other Present During Evaluation:

Date	Profile#	Type	Landscape Position	% Slope	Horizon1	Horizon2	Horizon3	Horizon4	Soil Wetness	Restrictive Horizon	Saprolite	LTAR	Classification	Comments
4/29/2015	1	Boring	ss/hs	6	0-6 c fi s p bk se xp	6+ c+ sap vfi vs vp m exp			6"			0	U	
4/29/2015	2	Boring	f	1	0-12 cl fr ss sp bk se xp	12-21 c s p bk se xp			21"			0.25	U/PS	8" chamber
4/29/2015	3	Boring	r	3	0-10 sl vfr ns np gr se xp	10-18 cl fr ss sp bk se xp	18-28 c fi s p bk se xp	28+ c vfi vs vp m exp	28"			0.3	U/PS	install at 12"
4/29/2015	4	Boring	r	1	0-12 sl vfr ns np gr se xp	12-18 scl fr ss sp m se xp	18-26 c fi s p bk se xp		26"			0.25	U/PS	redox at 21"+
4/29/2015	5	Boring	ss	4	0-6 cl fr ss sp bk se xp	6-10 c fi s p bk se xp	10+ c+sap vfi vs vp m exp					0	U	
4/29/2015	6	Boring	ts	1	0-15 scl vr ns np gr se xp	15-22 cl+sand fr ss sp gr se xp			22"			0.45	U/PS	
4/29/2015	7	Boring	ts	1	0-12 cl fr ss sp bk se xp	12-16 sand vfr ns np gr se xp	16+ c vfi vs vp m exp		16"			0.1	U/PS	drip repair
4/29/2015	8	Boring	terrace	1	0-16 sl vfr ns np gr se xp	16-24 scl fr ss sp m se xp			24"			0.5	U/PS	at grade
4/29/2015	9	Boring	terrace	1	0-14 scl fr ss sp gr se xp	14-18 c fi s p bk se xp	18"+ c vfi vs vp m exp					0.1	U/PS	
4/29/2015	10	Boring	terrace	1	0-22 scl fr ss sp m				22"			0.45	U/PS	

Available Space(1945) PS
 Other Factors (1946) PS
 Site Classification (1948) U/PS
 Comments: Install new system at grade. Additional soil cover will be required

Initial System LTAR .20
 Repair System LTAR .20
 Initial System Type IIIbg
 Repair System Type IVa

Date	Profile#	Type	Landscape Position	% Slope	Horizon1	Horizon2	Horizon3	Horizon4	Soil Wetness	Restrictive Horizon	Saprolite	LTAR	Classification	Comments
4/29/2015	11	Boring		2	sexp 0-14 scl fr				14"			0	U	
			ss/terrace		sexp ss sp m									
4/29/2015	12	Boring	r	1	0-16 scl fr	16-24 c fi s			24"			0.2	U/PS	
					sexp ss sp gr	p bk sexp								
4/29/2015	13	Boring	r	1	0-16 sl vfr	16-25 c fi s			25"			0.2	U/PS	
					sexp ns np gr	p bk sexp								

Available Space(1945) PS
 Other Factors (1946) PS
 Site Classification (1948) U/PS
 Comments: Install new system at grade. Additional soil cover will be required

Initial System LTAR .20
 Repair System LTAR .20
 Initial System Type IIIbg
 Repair System Type IVa

AUG 03 2018

Completed survey plat or site plan submitted

File Number: 2018-581

(Office Use Only)

Davidson County Health Department Onsite Wastewater Application

Improvement Permit
 Construction Authorization
 Building Authorization
 Manufactured Home Connection Authorization

Date Application Submitted 8-3-18
 Date Site Ready to Evaluate 8-3-18
 Structure staked, property lines marked

IF THE INFORMATION IN THE APPLICATION FOR AN IMPROVEMENT PERMIT IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THE IMPROVEMENT PERMIT AND AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. THE PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. THIS APPLICATION IS VALID FOR 1 YEAR FROM DATE OF SUBMISSION.

APPLICANT INFORMATION: email address joshua.b.hedrick@gmail.com

Permit Requested By Josh Hedrick Complete Mailing Address 4762 E. Holly Grove Road; Thomasville, NC 27360 Daytime Phone 336-953-7231
 Property Owner Josh Hedrick Complete Mailing Address (same) Daytime Phone (same)

PROPERTY INFORMATION

Parcel Number 11303A0000051A Street Address N/A - beside 3611 Bethesda Road (if facing property looking north)
 Subdivision N/A Section _____ Directions to site: Ridge Rd to Bethesda Road; property is to the left of mobile home @ 3611 Bethesda Road. Southeastern - most boundary (corner) staked. Site @ back of 36 acre parcel

DEVELOPMENT INFORMATION

House Manufactured Home _____ Other _____
 Repair to Existing Septic Tank System _____ Expansion of Existing System _____
 Residential Info: # Bedrooms 4 Basement (Y/N) Y if Y, Fixtures _____ # of Occupants 3
 Non-Residential Info: Type of Business _____ # of Employees _____ # of Seats _____
 Total Square Footage of building 2,538 main-level Other plus: unfinished basement
 Water Supply: Public New Well _____ Existing Well _____ Community Well _____

Does this property: 1) Have any designated wetlands? Flood plain at back 2) Subject to approval by any other public agency (Planning & Zoning, DOT, etc) _____ Will there be any wastewater generated other than domestic sewage? NO If yes, explain _____

NEW CONSTRUCTION ONLY: REQUESTED SEPTIC SYSTEM LOCATION

Front (road facing) _____ Back _____ Do not care Other Please use previous test from 2015 on 41 acres (before split to 36 acres)

I have read this application and information sheet attached and certify that the information provided in this application is true, complete and correct to the best of my knowledge. Authorized county and state officials are granted right of entry to conduct necessary inspections. I understand that I am solely responsible for the proper identification and labeling of all property lines and making the site accessible for this evaluation.

Property Owner / Legal Representatives Signature

[Handwritten Signature]

Initial Site Visit Date 08.17.18 San ID Jmk IP Date 08.22.18 San ID Jmk
 ATC Date 08.22.18 San ID Jmk BA Date _____ San ID _____

No Pump

PAID \$300.00 Check 1002 JH

Jason, call to meet on property/ Josh

336-953-7231

See file # 2007-142A

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. **INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY OF YOUR SITE BEING EVALUATED.**

SHOW: proposed residence or building footprint, wells, water lines, patios, pools, decks, and any other item that may occupy space on the site or is of importance.

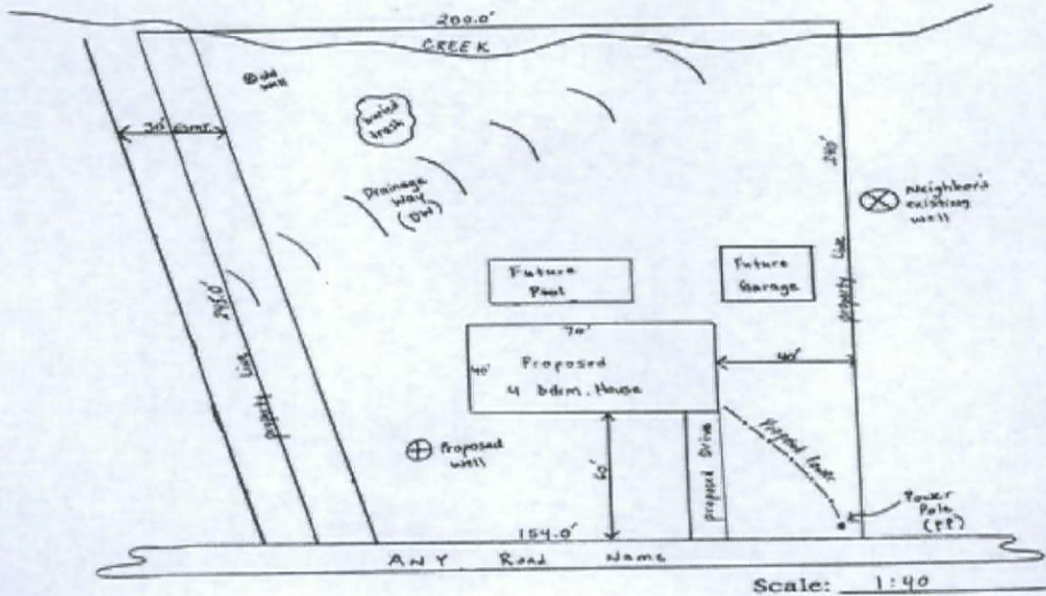
Place an (X) beside each item as you complete the site plan:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Property Line measurements identified | <input checked="" type="checkbox"/> All proposed structures are indicated |
| <input checked="" type="checkbox"/> Setbacks from property line (front and side) | <input checked="" type="checkbox"/> Proposed driveway location and configuration |
| <input checked="" type="checkbox"/> Proposed well and or water line location | <input checked="" type="checkbox"/> Other site features of importance |
| <input checked="" type="checkbox"/> Proposed septic area | <input checked="" type="checkbox"/> North arrow, or other sufficient indicator of direction |

Show or circle N/A on the following if appropriate:

- | | |
|--|-----|
| <u>N/A</u> Location of septic systems and wells within 100' of your property | N/A |
| <u>N/A</u> Location of easements and rights of ways on your property | N/A |
| <u> </u> Location of any designated wetlands on the property | N/A |

SAMPLE SITE PLAN



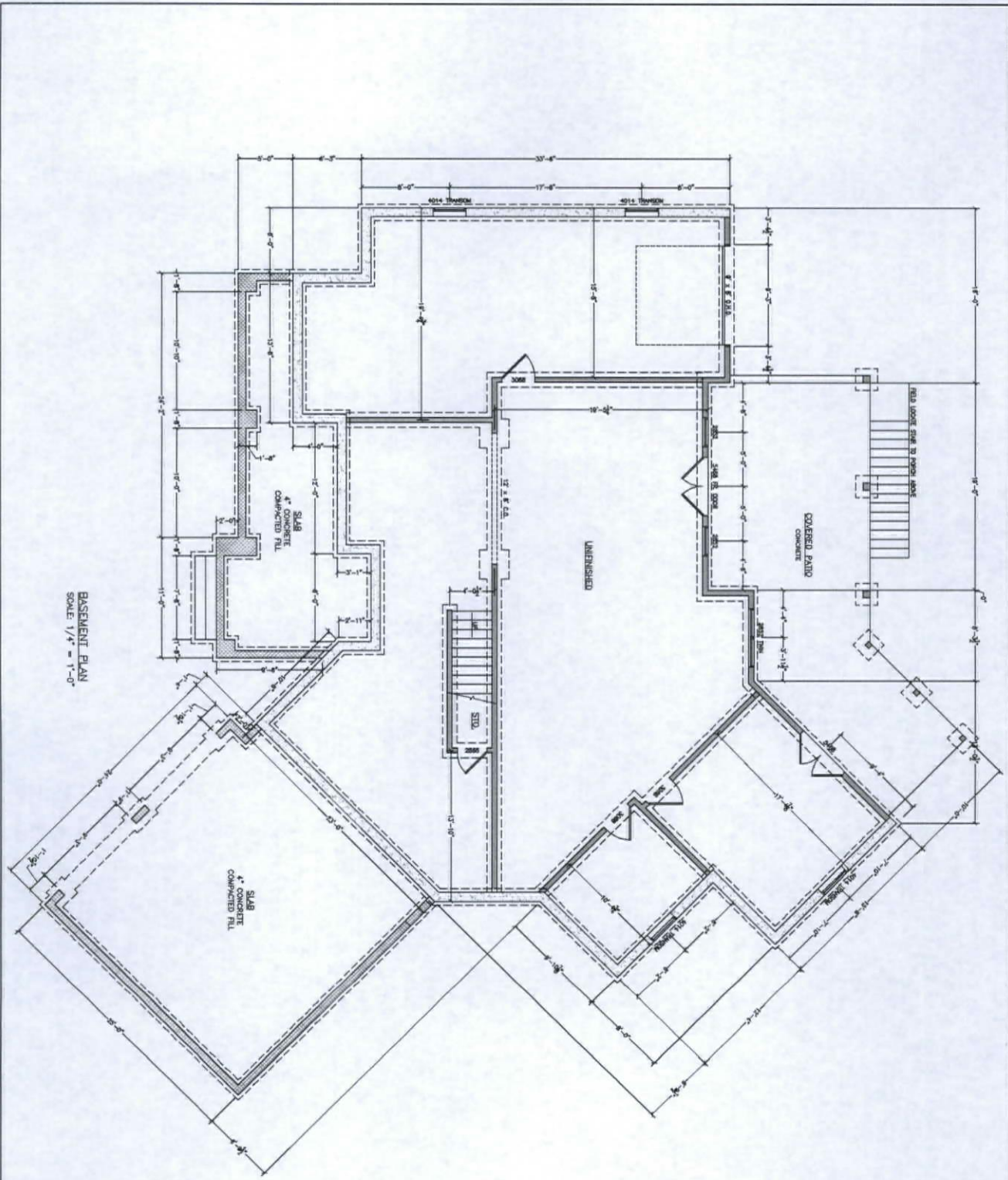
USE THE SPACE BELOW TO DRAW YOUR SITE PLAN OR ATTACH A CUSTOM SITE PLAN WITH THE APPLICATION

 See Attached Site Plan

1" = 100ft



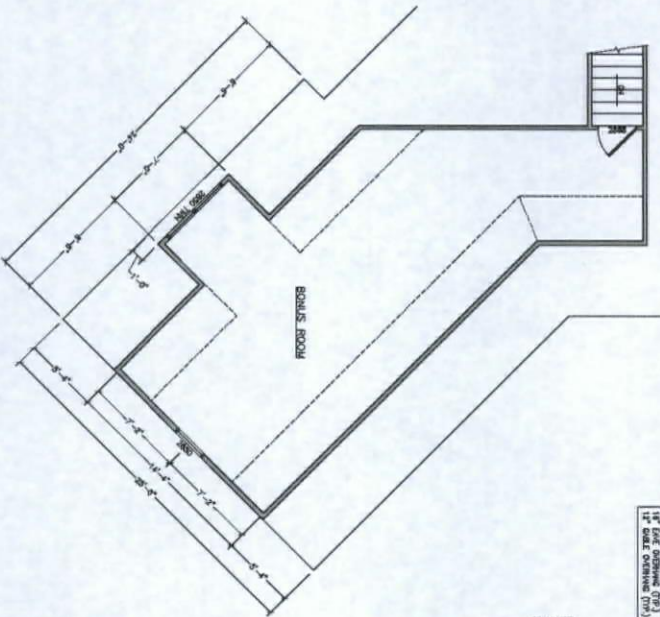
Flood Zone



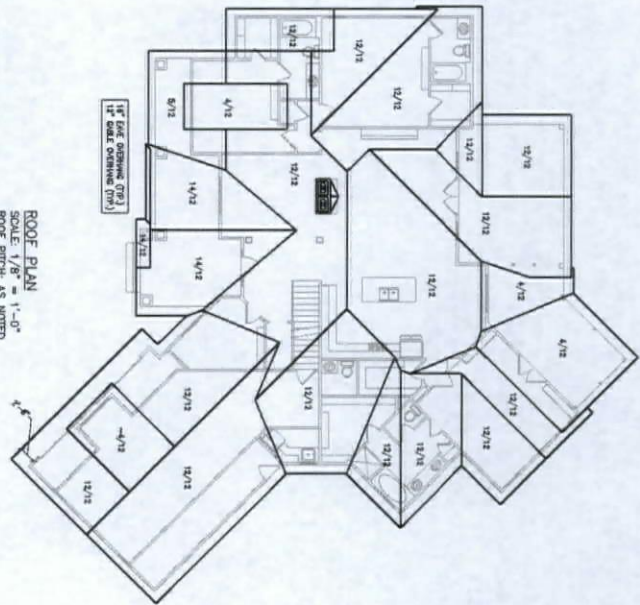
BASEMENT PLAN
SCALE: 1/4" = 1'-0"

Sheet 3 of 6	Date 7-17-2018	Drawn by KLM	Client	Project Hedrick Residence Thomasville, NC	Kevin L. Miller 1548 Odell Owen Road Lexington, NC 27295 kevin@milten.com (336) 239-2850
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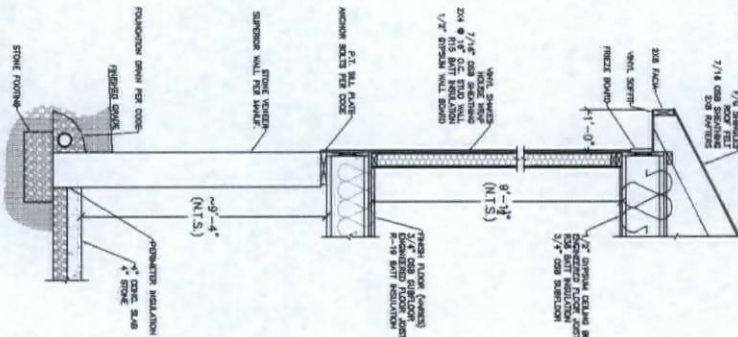
BONUS ROOM FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 8' CEILING UNTO
 532 S.F. HEATED



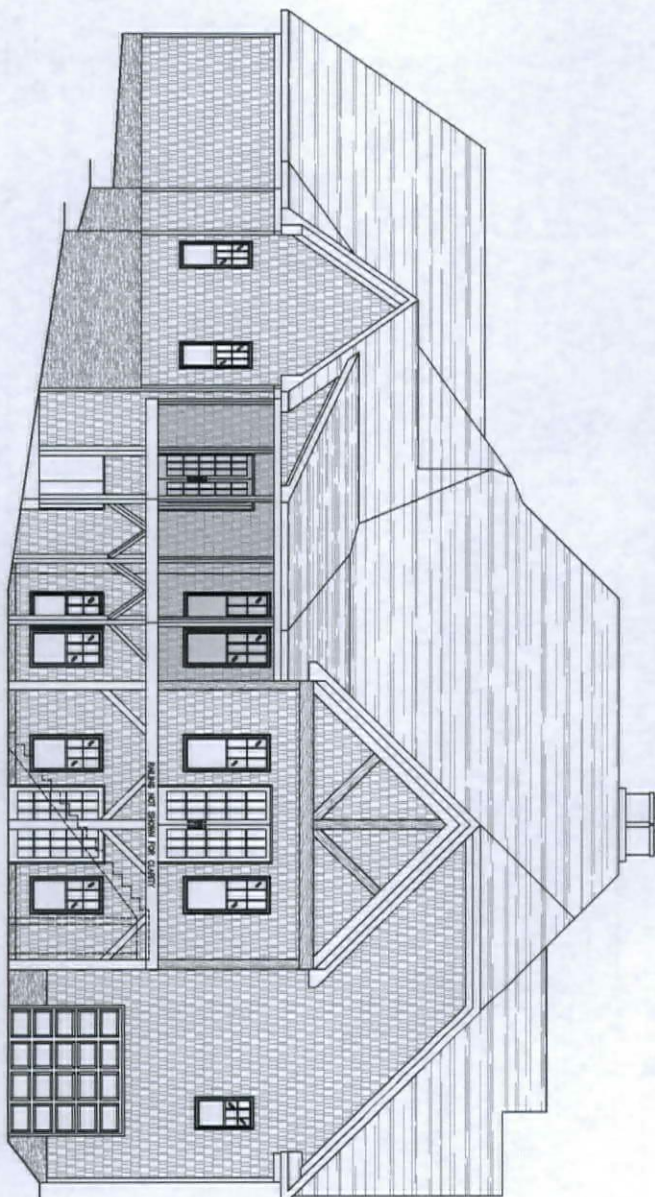
ROOF PLAN
 SCALE: 1/8" = 1'-0"
 ROOF PITCH AS NOTED



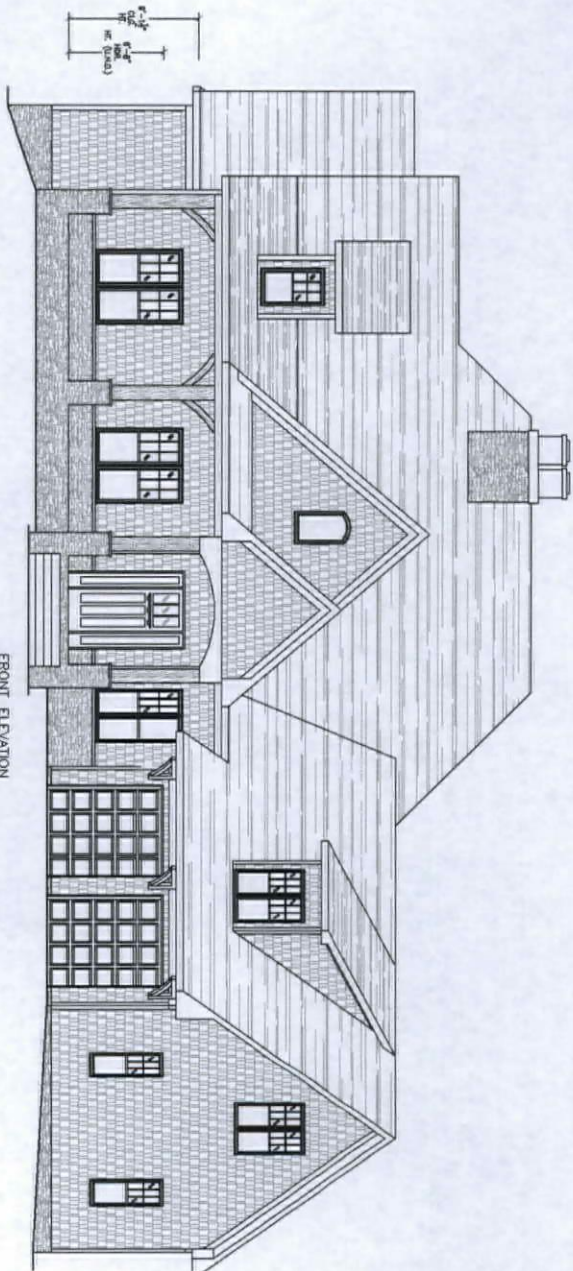
A - WALL SECTION
 SCALE: 3/4" = 1'-0"



Project	Hedrick Residence Thomasville, NC	Client	
Architect	Kevin L. Miller 1548 Odell Owen Road Lexington, NC 27295 kevin@milwen.com (336) 239-2850	Scale	7-17-2018
Drawn By	KLM	Sheet	4 of 6
Checked By		Project	Pricing



REAR ELEVATION
SCALE 1/4" = 1'-0"

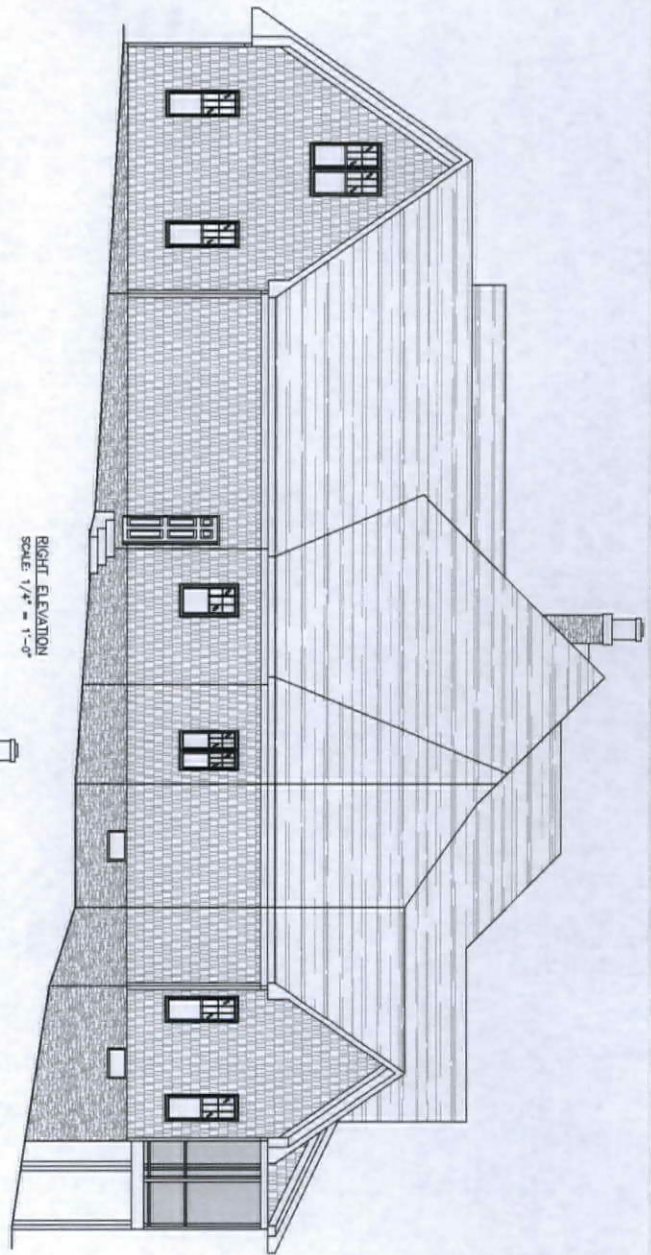


FRONT ELEVATION
SCALE 1/4" = 1'-0"

Sheet 5 of 6	Drawn By KLM	Date 7-17-2018	Project Hedrick Residence Thomasville, NC	Client 	Kevin L. Miller 1548 Odell Owen Road Lexington, NC 27295 kevin@milwen.com (336) 239-2850
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LEFT ELEVATION
SCALE: 1/4" = 1'-0"



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

Sheet 6 of 6	Date 7-17-2018 Pricing	Drawn by KLM	Client	Project Hedrick Residence Thomasville, NC	Kevin L. Miller 1548 Odell Owen Road Lexington, NC 27295 kevin@milwen.com (336) 239-2850
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Davidson County GIS



Parcel Number :	11303A0000051A	Land Units:	35.68 AC
Pin Id :	6748-01-08-8738	Deed Book:	2225 Pg: 1769
Owner :	HEDRICK JOSHUA B HEDRICK HEATHER R 4762 EAST HOLLY GROVE ROAD THOMASVILLE NC 27360	Deed Date:	06/14/2016
Property Address:	BETHESDA RD	Account Number:	9223916
Township:	11	Exempt Code:	
Building Value:		\$0 Other Building Value:	\$0