MECKLENBURG COUNTY
Health Department

Raynard Washington, PhD, MPH
Health Director

(704) 336-4700

January 11, 2013

Nicole & Brandon Kern
15705 Smith Boyd RD
Charlotte, NC 28273

Re: Application for approval to use an existing on-site wastewater treatment & disposal system.
Property Location: 15705 Smith Boyd RD
Health Department File Number: **11249B**

Dear Property Owner or Owner's Agent:

On January 6, 2022 the Mecklenburg County Health Department, Groundwater & Wastewater Services Section, evaluated the above-referenced property to determine if approval to use an existing on-site wastewater treatment & disposal system could be granted for your proposed project. This evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes, Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .l900 and related rules, and the Mecklenburg County Groundwater Well Regulations.

Based on the information provided in the application, dated December 29, 2021, and findings from the site evaluation conducted by our office, your request for approval to use an existing on-site wastewater treatment & disposal system is **not** being granted. This decision is based on the following conditions that were identified during the site visit:

- ☐ The existing on-site wastewater treatment & disposal system was not functioning properly at the time the site evaluation was conducted.
- ☒ The proposed plans do not meet the required setbacks for the on-site wastewater treatment & disposal system serving the property.
- ☐ The proposed plans do not meet the required setbacks for the reserved repair area for an on-site wastewater treatment & disposal system.
- ☐ The proposed plans do not meet the required setbacks for water supply wells.
- ☒ The proposed project will exceed the permitted daily design flow for the existing on-site wastewater treatment & disposal system. System alteration will be required in order to accommodate your proposed project.

If you need any additional information or assistance please contact our office at (704) 336-5103.

Sincerely,

April Bumgarner, REHS
Environmental Specialist

Encl: (1) Application

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 21927106
Lot #: NA
File #:11249B
AppID: 12755

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Nicole & Brandon Kern
Address: 15705 Smith Boyd RD
Proposed Facility: 3 Bedroom House
Design Flow (.1949): 360 GPD
Location of Site: 15705 Smith Boyd RD
Water Supply: [X] Public [ ] Individual [ ] Well
Evaluation Method: [X] Auger Boring [ ] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: Owners
Date Evaluated: 1/7/2022
Property Size:
Property Recorded:
[ ] Spring [ ] Municipal
[ ] Cut
[ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
#1	LS 1%	0 - 10	sbk CL	SS SP FR SEXP	18"	18"	NA	NA	Chromo 2 @ 18"	US	
		10-18	abk C	S P Fi SEXP							
#2	LS 1%	0 - 6	sbk CL	SS SP FR SEXP	24"	24"	NA	NA	Yellow/brown mottles @ 20" Chromo 2 @ 24"	US	
		6-20	sbk C	S P FR SEXP							
		20-24"	abk C	S P Fi SEXP							

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR (gpd/sq ft)		

Other Factors (.1946):
Soil Evaluation By: April Bumgarner, REHS
Others Present: Nicole & Brandon Kern
Site Classification (.1948): Unsuitable
Site Evaluation By: April Bumgarner, REHS
Others Present: Nicole & Brandon Kern

COMMENTS:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	sg-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		mass-Massive
LS-Linear Slope				cr-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	gr-Granular
NS-Nose Slope		L-Loam		sbk-Subangular Blocky
HS-Head Slope				abk-Angular Blocky
CC-Concave Slope	III	Si-Silt	0.6 - 0.3	pl-Platy
CV-Convex Slope		SiCL-Silty Clay Loam		pr-Prismatic
T-Terrace				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
				m-moderate
		SiL-Silt Loam		s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



File # 11249 B

MECKLENBURG COUNTY
HEALTH DEPARTMENT #12755

29 DEC '21 AM11:17

APPLICATION FOR APPROVAL TO USE AN EXISTING ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM / WATER SUPPLY WELL

APPLICATION TYPE: SEPTIC ONLY (X) WELL ONLY SEPTIC & WELL
ADDITION OR RENOVATION WITH OCCUPANCY INCREASE EXCHANGE MOBILE HOME (SAME # BEDROOMS)
ADDITION OR RENOVATION WITH NO OCCUPANCY INCREASE (X) COMMERCIAL OR INDUSTRIAL

PERSON FILING APPLICATION:
NAME: Nicole Kern
ADDRESS: 15705 Smith Boyd Rd
CITY: Charlotte
STATE: Nc ZIP: 28273
PHONE: 9802542338
ALTERNATE PHONE: 7087043842
E-MAIL: Nicolearmstrong17@yahoo.com

PROPERTY OWNER: (X) SAME AS PERSON FILING APPLICATION
NAME:
ADDRESS:
CITY:
STATE: ZIP:
PHONE:
ALTERNATE PHONE:
E-MAIL:

JOB LOCATION INFORMATION
TAX PARCEL #: 21927106
STREET ADDRESS: 15705 Smith Boyd Rd
CITY: Charlotte
STATE: NC ZIP: 28273

SUBDIVISION OR MOBILE HOME PARK NAME: NA
LOT #:

WATER SUPPLY:
(X) MUNICIPAL PRIVATE WELL PUBLIC WELL SHARED WELL OTHER

RESIDENTIAL PROPERTY TYPE: N/A
(X) HOUSE MODULAR HOME MULTIPLE FAMILY
SINGLE MOBILE HOME DOUBLE WIDE
OTHER

OCCUPANCY (both fields are required):
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 4

COMMERCIAL / INDUSTRIAL PROPERTY TYPE: N/A
TYPE OF BUSINESS:
EMPLOYEES PER SHIFT:
OF SHIFTS:
INDUSTRIAL WASTES? YES NO
UNDERGROUND STORAGE TANKS? YES NO

ADDITION/RENOVATION TYPE ATTACHED TO EXISTING STRUCTURE:
(X) BEDROOM (X) BATHROOM KITCHEN DINING ROOM LIVING ROOM DEN
(X) GARAGE SUNROOM PORCH DECK OTHER

ADDITION/RENOVATION TYPE DETACHED FROM EXISTING STRUCTURE:
DETACHED GARAGE DETACHED GARAGE WITH PLUMBING POOL HOUSE SHOP BARN
STORAGE SHED DETACHED PORCH / DECK OTHER

*The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Nicole Kern
Owner's/Agent's Signature

12/29/2021
Date

A PROPOSED PLOT PLAN (see page 2) is required to be submitted with each application.

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Drive, Suite 8000, Charlotte, NC 28208
OFFICE: 980-314-1680, FAX: 704-336-6894

Revised on: 01/03/11

Gallo , Sergio E

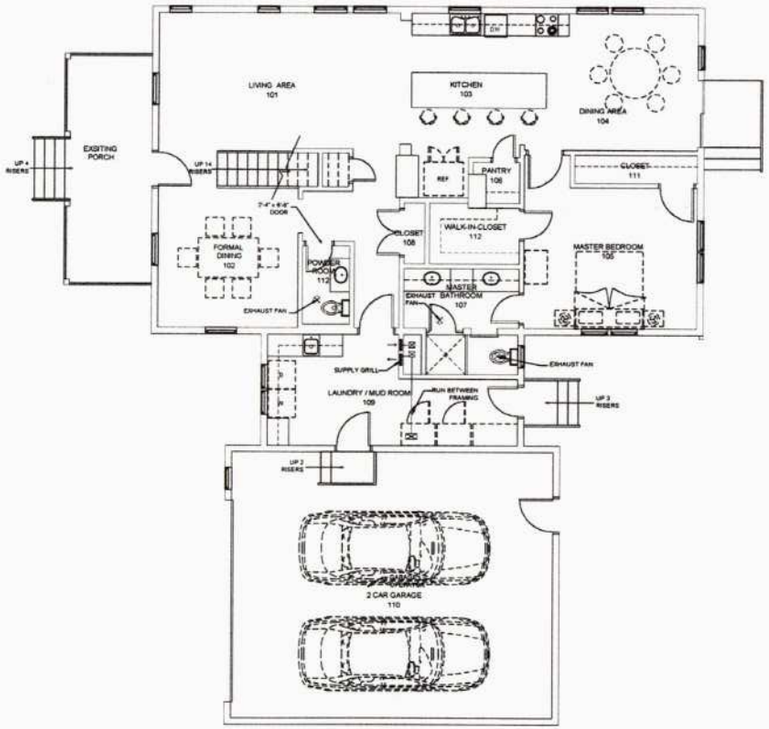
From: Nicole Kern <nicolemkern17@gmail.com>
Sent: Wednesday, December 29, 2021 10:23 AM
To: Gallo , Sergio E
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Follow Up Flag: Follow up
Flag Status: Completed

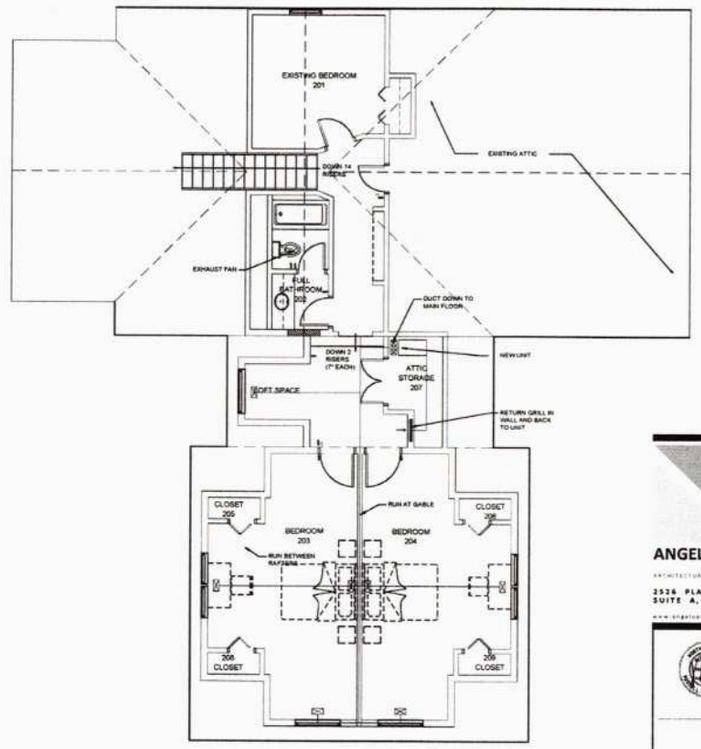
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N 1 Mechanical Plan
First Level



N 2 Mechanical Plan
Second Level

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07-30-2021

Armstrong Residence
Addition

15705 Smith Boyd Road
Charlotte, NC 28273

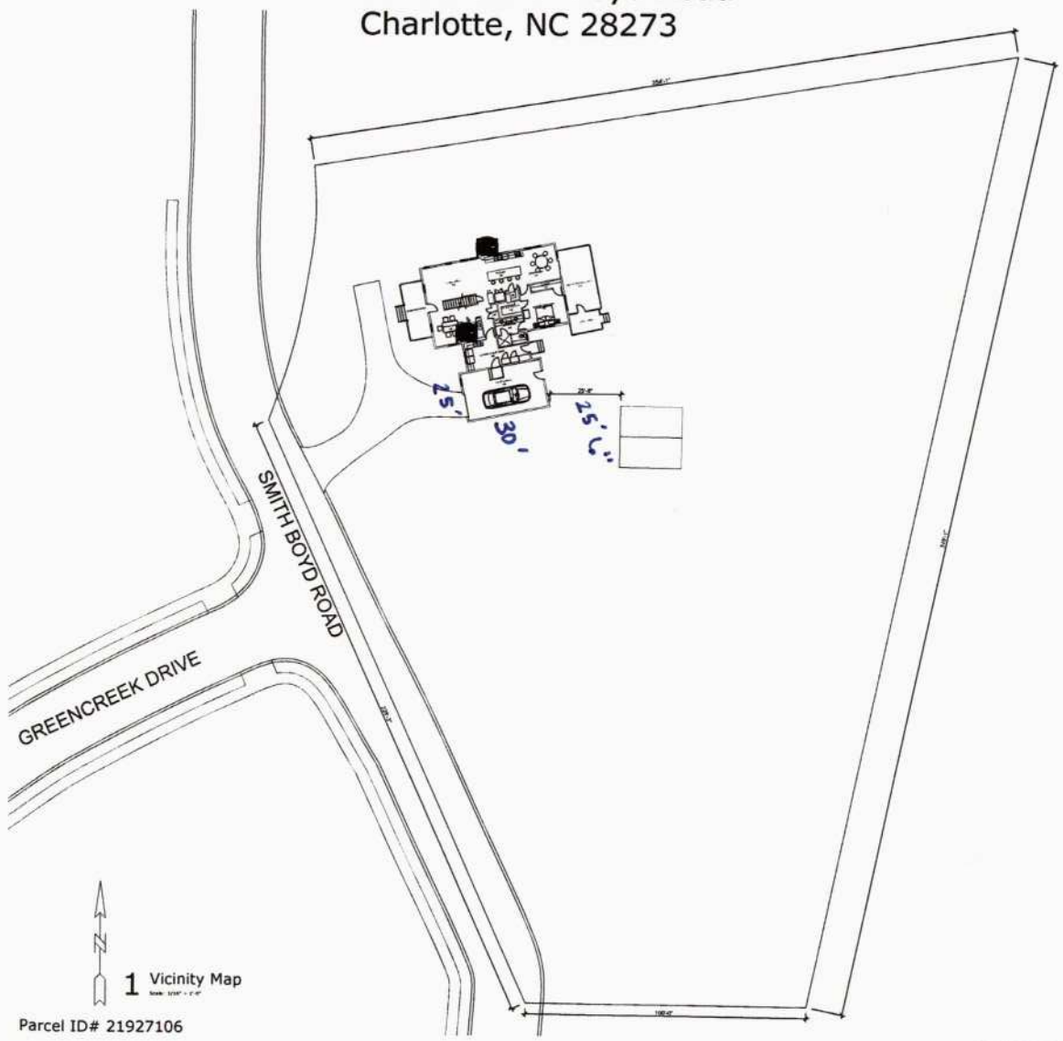
Mechanical Plans

A5.0

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Armstrong Residence

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1 Vicinity Map

Parcel ID# 21927106

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A2.0 Proposed Floor Plans
A3.0 Exterior Elevations
A4.0 Building Sections
A4.1 Building Section and Details
A5.0 Mechanical Plan
A6.0 Electrical Plan

Structural
S1.0 Foundation Plan, Framing Plan & Roof Framing

07-30-2021

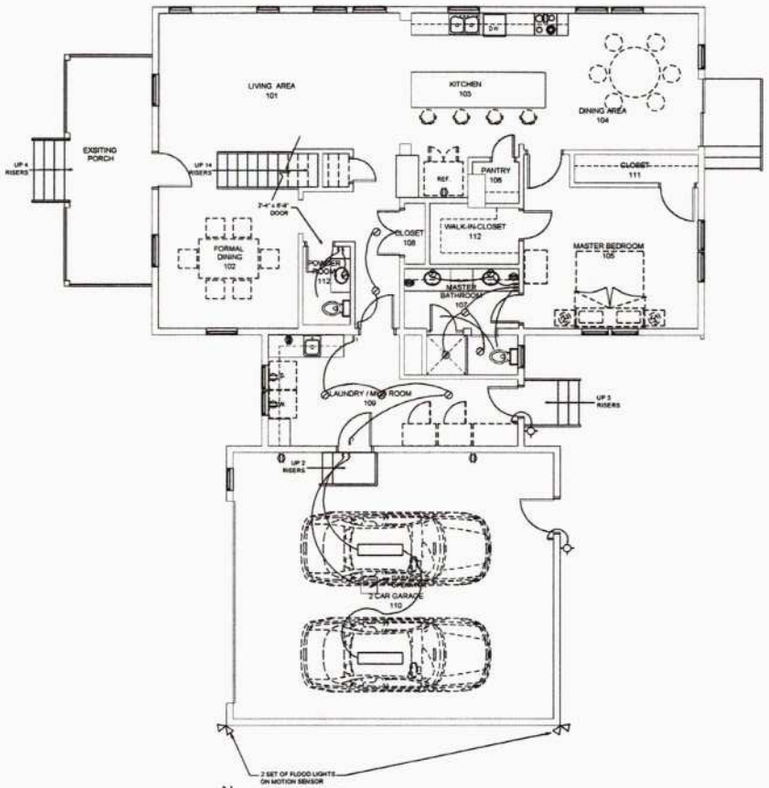
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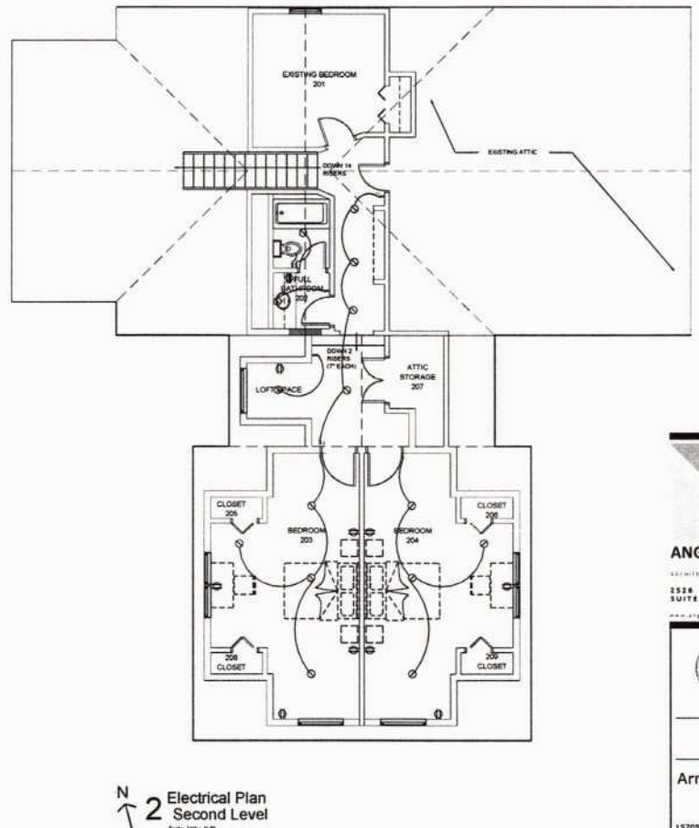
CS1

July 30, 2021

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R21-01 Armstrong Residence Addition, 15705 Smith Boyd RD, Charlotte, NC





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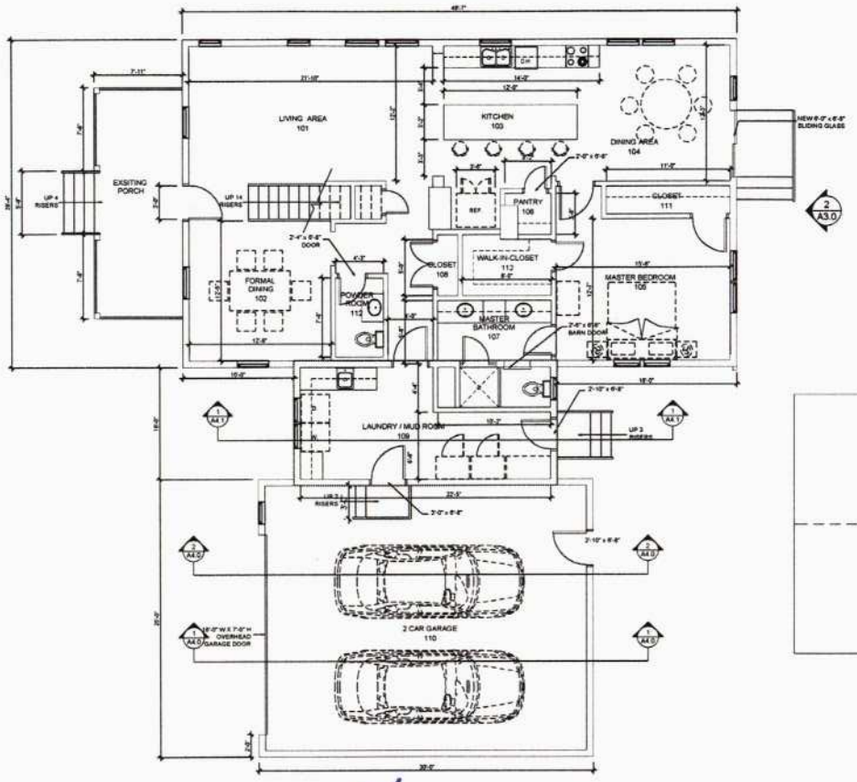
15705 Smith Boyd Road
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Architect's Project No. 2021-07
Date Jan 19, 2021
Revisions

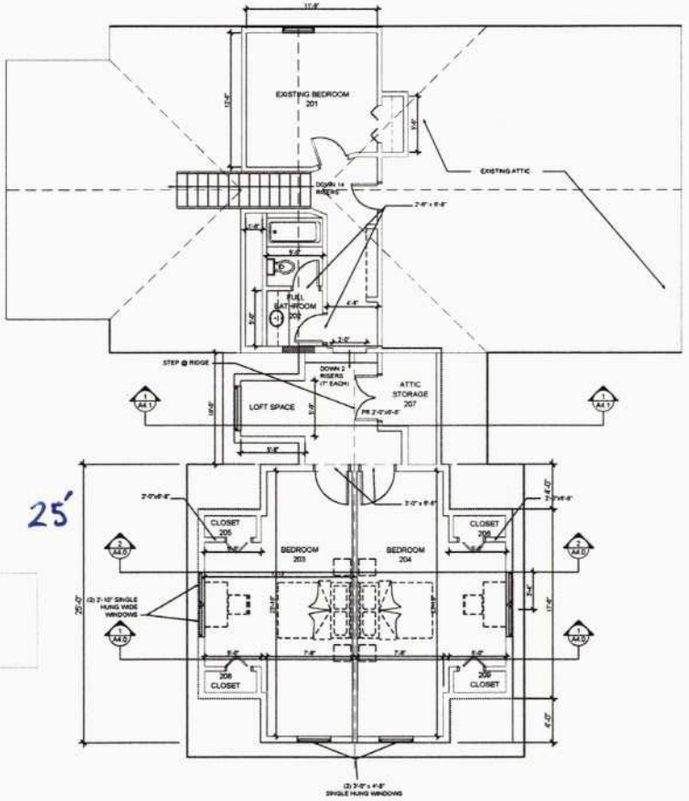
Electrical Plans

A6.0

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N 1 Main Level Plan



N 2 Upper Level Plan

HEATED AREA:
UPPER LEVEL: 781 SF.
MAIN LEVEL: 263 SF.

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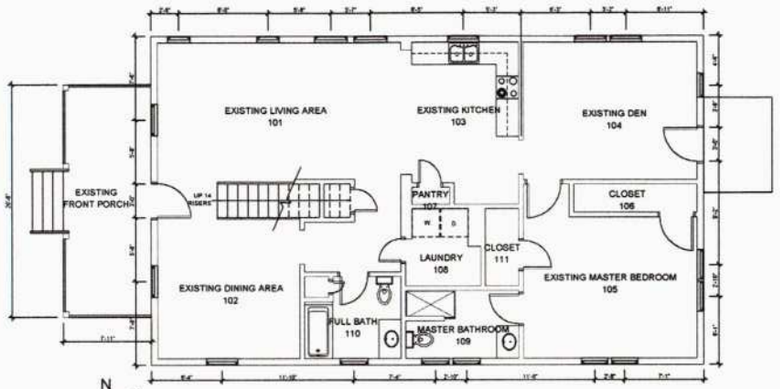
Armstrong Residence Addition

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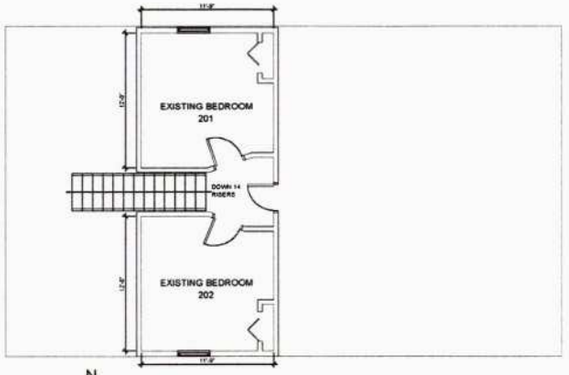
Proposed Floor Plans

A2.0

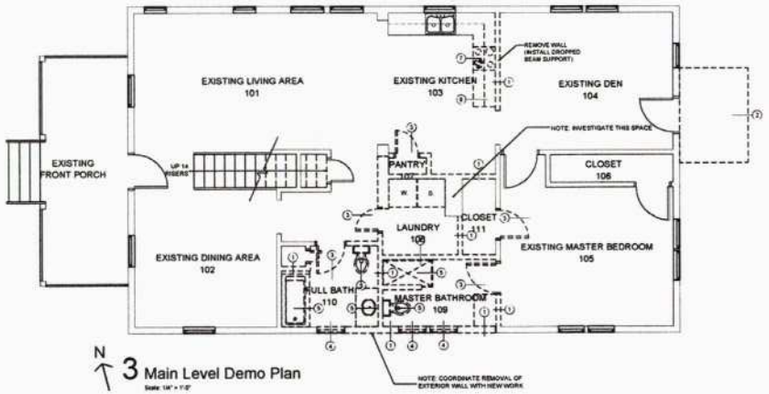
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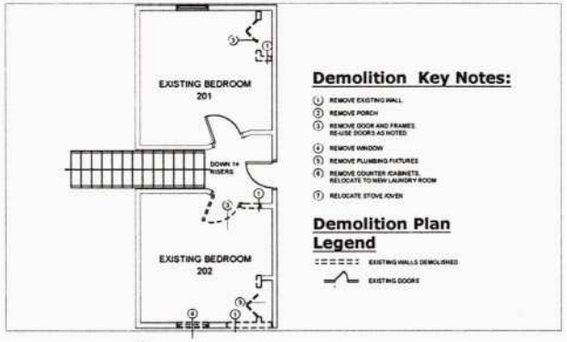
1 Main Level Existing Plan



2 Upper Level Existing Plan



3 Main Level Demo Plan



4 Upper Level Demo Plan

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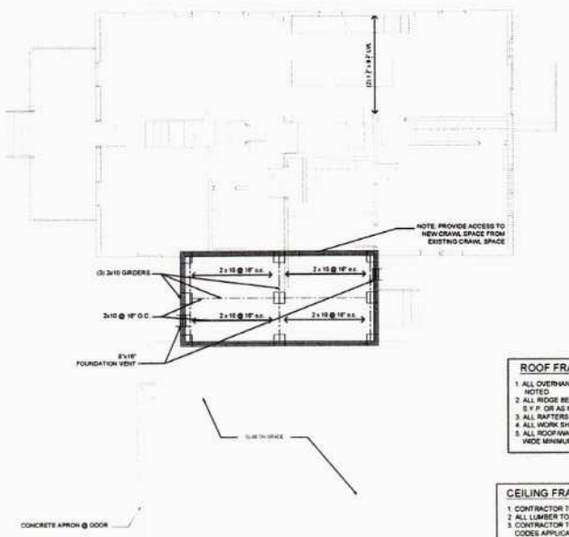
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Existing and Demo Floor Plans

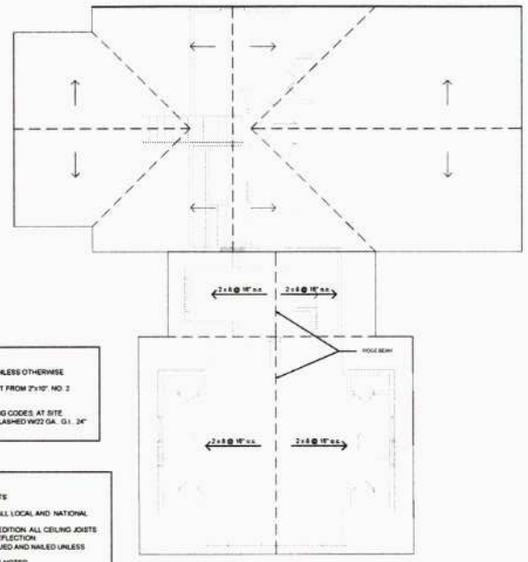
A1.0

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N 1 Foundation Plan

Scale: 3/16" = 1'-0"



N 2 Roof Framing Plan

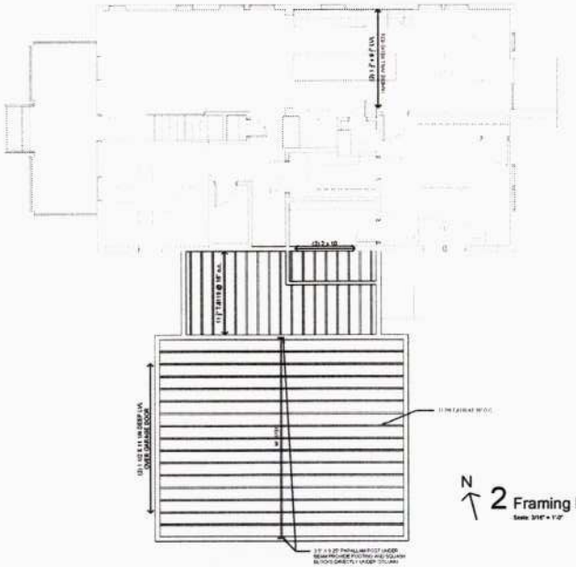
Scale: 3/16" = 1'-0"

ROOF FRAMING NOTES:

1. ALL OVERHANGS TO BE 1'-0" FROM OUTSIDE FACE OF STUDWALL, UNLESS OTHERWISE NOTED
2. ALL RIDGE BEAMS, HIP RAFTERS, & VALLEY RAFTERS ARE TO BE CUT FROM 2"x10", NO. 2 S.Y.P. OR AS NOTED
3. ALL RAFTERS SHOWN ARE TO BE CUT FROM 2"x8", NO. 2 S.Y.P.
4. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, AT SITE.
5. ALL ROOF/WALL INTERSECTIONS & VALLEYS TO BE THOROUGHLY FLASHED W/22 GA. G.I., 24" WIDE MINIMUM.

CEILING FRAMING NOTES:

1. CONTRACTOR TO PROVIDE 2"x BLOCKING BETWEEN ALL CEILING JOISTS
2. ALL LUMBER TO BE #2 S.Y.P. OR GREATER
3. CONTRACTOR TO VERIFY ALL LUMBER SIZES AND SPACING TO MEET ALL LOCAL AND NATIONAL CODES APPLICABLE @ SITE
4. ALL CEILING JOISTS SIZED TO MEET "SOUTHERN PINE COUNCIL" 2003 EDITION. ALL CEILING JOISTS ARE SIZED TO: 20 PSF (LIVE LOAD); 10 PSF (DEAD LOAD); WITH L/360 DEFLECTION
5. ALL SITE BUILT BEAMS TO HAVE ½" PLYWOOD BETWEEN EACH 2"x, GLUED AND NAILED UNLESS OTHERWISE NOTED
6. ALL CEILING JOISTS ARE 2"x8" SHOWN AT 16" O.C. UNLESS OTHERWISE NOTED



N 2 Framing Plan @ Upper Floor

Scale: 3/16" = 1'-0"

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Armstrong Residence Addition

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Architect's Project No: 21-10

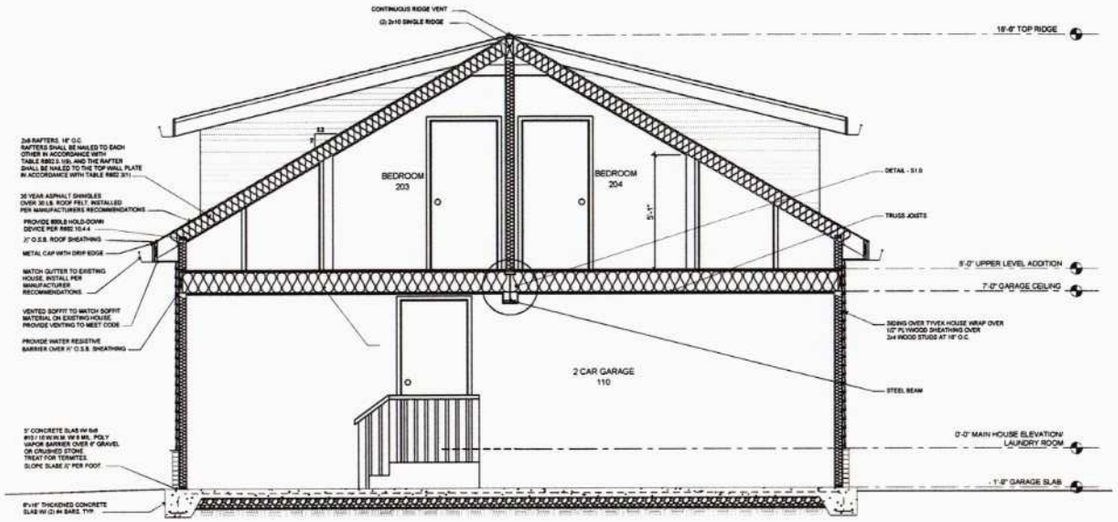
Date: July 30, 2021

Revisions:

Foundation Floor Plan, Framing Plan & Roof Framing

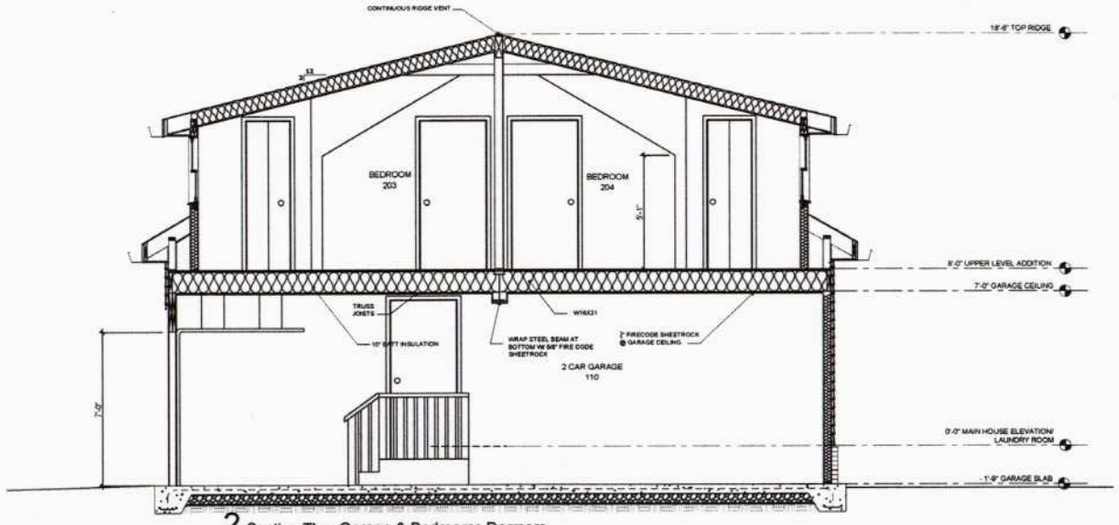
S1.0

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1 Section Thru Garage & Bedrooms

Scale: 1/2" = 1'-0"



2 Section Thru Garage & Bedrooms Dormers

Scale: 1/2" = 1'-0"

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Armstrong Residence
Addition

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Charlotte, NC 28273

Armstrong Project No: #21-01

Date: July 30, 2021

Revisions:

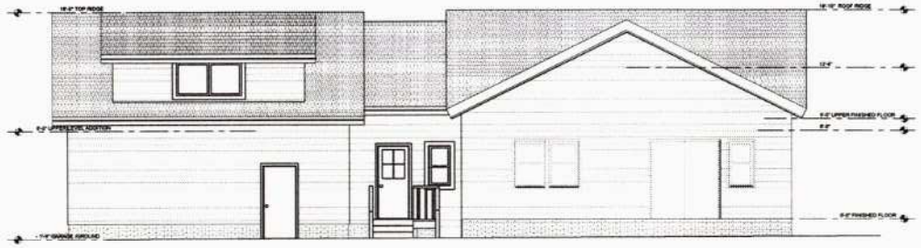
Building Sections

A4.0

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1 Front Elevation



2 Rear Elevation



3 Side Elevation

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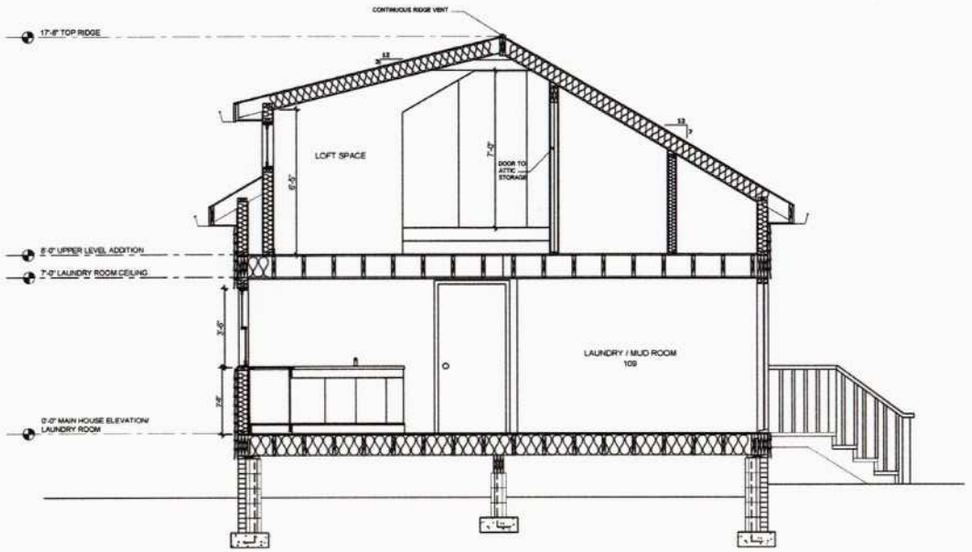
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Exterior Elevations

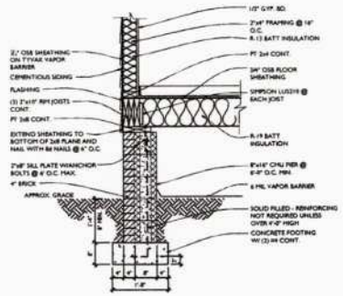
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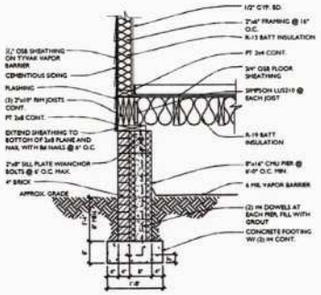
1 Section Thru Laundry & Loft Space

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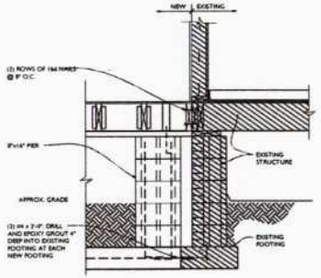
3 Section

Scale: 3/4" = 1'-0"



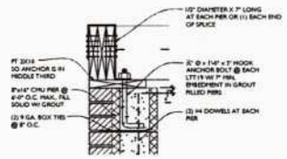
4 Section

Scale: 3/4" = 1'-0"



5 Section

Scale: 3/4" = 1'-0"



6 Detail

Scale: 1 - 1/2" = 1'-0"

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07-30-2021

Armstrong Residence Addition

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Building Section and Details

A4.1

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MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 12/29/21
Receipt #: 132062
Check / Auth #: VISA 01263D
Received By: GALLOSE

Amount: 100.00
Tendered: 100.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: ARMSTRONG NICOLE
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0705	Use Existing System 15705 SMITH BOYD RD		1	100.00	100.00

----------Outstanding Balances----------

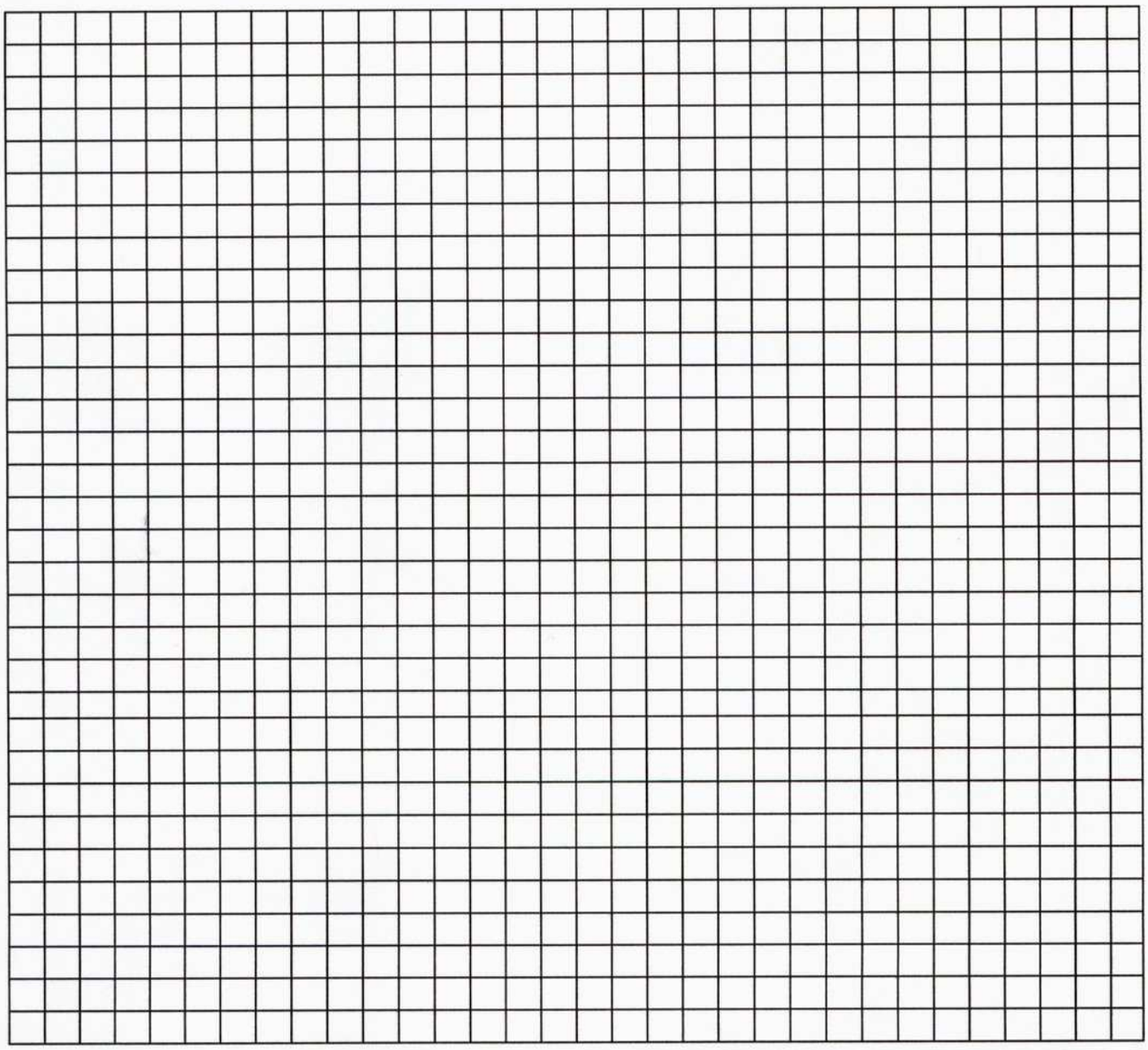
Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

File #: _____

PROPOSED PLOT PLAN Please see attachments!

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15705 Smith Boyd Rd. Charlotte, NC 28273 Tax Parcel #: _____



*The undersigned, an authorized agent of the Mecklenburg County Health Department, certifies that the Department has approved the Request for the "Job Location" contained in this document. This approval is granted in accordance with the provisions of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal and Water Supply Wells in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an installation, construction, alteration and/or repair approval is granted by this Department.
- This permit is not transferable.
- Addition/Renovation approval valid 1 year from issuance date
- Mobile home exchange approval valid 6 months from issuance date

_____

_____

_____ _____

REHS Signature Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Drive, Suite 8000, Charlotte, NC 28208
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Revised on: 01/03/11

#12755

SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☐ NEW WELL ☐ USE EXISTING ☑ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) SC _____ Initial/Date

CA ($200.00) _____ Initial/Date

OP ($200.00) _____ Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 SC66 pr 12/29/21 Initial/Date

Alteration Fees Paid: $300 Total $200 _____ Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____ Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☐ Review ☐

This site is served by septic and well. Verify each is complete before final hold is released ☐

Septic file complete ☐_____ Well complete ☐ _____

Send permit for signature ☐ Signature received ☐ _____

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____