Supervisor/Administrative Professional Checklist

New Septic ☑ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) AAS 8/29/17 Initials/Date

CA ($200.00) AAS 2/12/18 Initials/Date

OP ($200.00) AAS 2/12/18 Initials/Date

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

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☑ Reviewed ☑ JAM
OK TO generate CA

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

Septic file completed. ☒ 7/5/18 Well file completed. ☐ _____

Send permit for signature. ☑ Signature received. ☑ _____

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

Certified operator contract is on file. ☐ _____

#9122
9030

29 AUG '17 AM 8:51

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ⊗ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ○ N/A ⊗ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**
TAX PARCEL NUMBER: 01517103
STREET ADDRESS: 10950 Beatties Ford Rd
CITY: Huntersville
STATE: NC ZIP: 28079
SUBDIVISION NAME: McCoys FARM "A"
LOT #: _____ LOT SIZE (acres): ~~5.0~~ 5.3
TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ⊗ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**
BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
⊗ HOUSE ○ OTHER _____
HEATED SQUARE FOOTAGE: ~~1000 - 2500~~ 2400
NUMBER OF BEDROOMS: 4 FL
NUMBER OF OCCUPANTS: 4
FOUNDATION TYPE:
⊗ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. **IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION:** ☐ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. **WATER SUPPLY:** ○ MUNICIPAL ⊗ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. **PROPOSED USE OF WELL:** ○ N/A ○ IRRIGATION ⊗ POTABLE (DRINKING WATER) ○ OTHER _____

8. **PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED):*
☐ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. **RANK:** 1 2 5 4 ___

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ⊗ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ⊗ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ⊗ NO	JURISDICTIONAL WETLANDS	○ YES ⊗ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ⊗ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ⊗ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ⊗ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ⊗ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ⊗ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ⊗ NO
WASTE STORAGE	○ YES ⊗ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ⊗ NO

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** May 5/17 ☐ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** May 5/17 ☐ N/A

12. **PROPERTY OWNER:**
NAME: Fernando Tijias and Gloria Tixe
ADDRESS: 1406 Waterlilly Ln
CITY: Charlotte
STATE: NC ZIP: ~~28262~~ // ~~28262~~ 28262
WORK PHONE: 704-426-0801
MOBILE PHONE: _____
FAX: _____
E-MAIL: Tixe10@Hotmail.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

MARIO CASTRO 515-423-2336

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

FL GT (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

FL GT (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

Fernando [illegible] — Property Owner's or Owner's Legal Representative Signature

08/30/2017 — Date

OFFICE USE ONLY

O SURVEY PLAT TO SCALE SUBMITTED O SCALED SITE PLAN SUBMITTED O UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

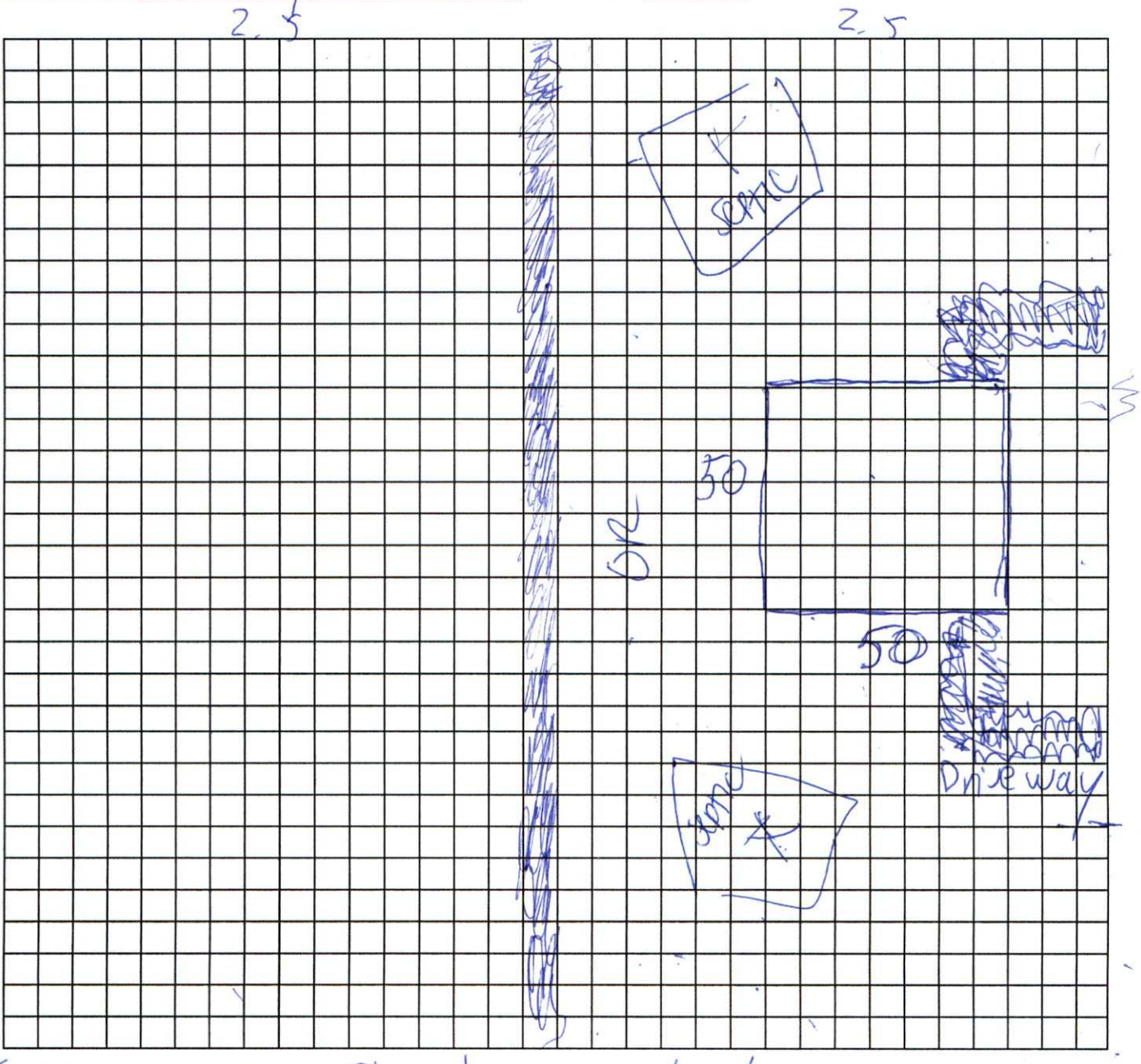
File #: _____

PROPOSED PLOT PLAN

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: 10950 Beatties Ford Tax Parcel #: 01517103

Subdivision Name: McCoys FARM "A" Lot #: _____

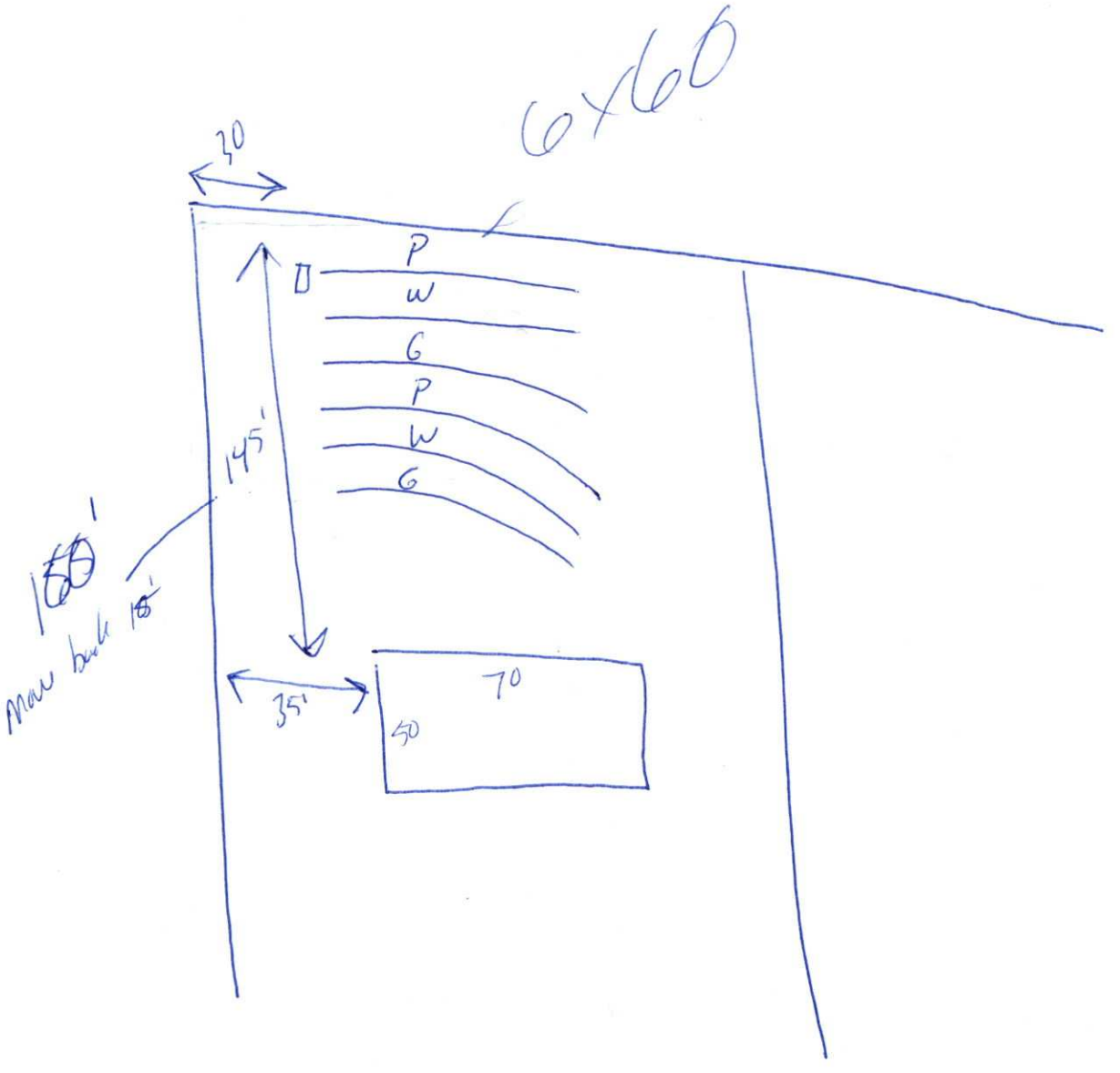


FERNANDO LIVIAS Y GLORIA TIXE 08/30/2011

Property Owner's or Owner's Legal Representative Signature Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10


60x60
30
D
P
W
G
P
W
G
145'
150'
Max back 15'
35'
70
50

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/12/18	**Amount:**	200.00
Receipt #:	109348	**Tendered:**	200.00
Check / Auth #:	CASH	**Returned:**	0.00
Received By:	ABDUSAI		

Account Information

Account #:	200000
Contractor:	TIXE, FERNANDO
Attn:	
Address:	1406 WATERLILLY LN
Address:	
City/State/Zip:	CHARLOTTE, NC 28260

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 10950 BEATTIES FORD RD		1	200.00	200.00

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

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/12/18	**Amount:**	200.00
Receipt #:	109349	**Tendered:**	200.00
Check / Auth #:	CASH	**Returned:**	0.00
Received By:	ABDUSAI		

Account Information

Account #: 200000
Contractor: TIXE, FERNANDO
Attn:
Address: 1406 WATERLILLY LN
Address:
City/State/Zip: CHARLOTTE, NC 28262

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 10950 BEATTIES FORD RD		1	200.00	200.00

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

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/29/17	**Amount:**	250.00
Receipt #:	107237	**Tendered:**	250.00
Check / Auth #:	CASH	**Returned:**	0.00
Received By:	ABDUSAI		

Account Information

Account #: 200000
Contractor: TIXE, FERNANDO
Attn:
Address: 1406 WATERLILLY LN
Address:
City/State/Zip: CHARLOTTE, NC 28262

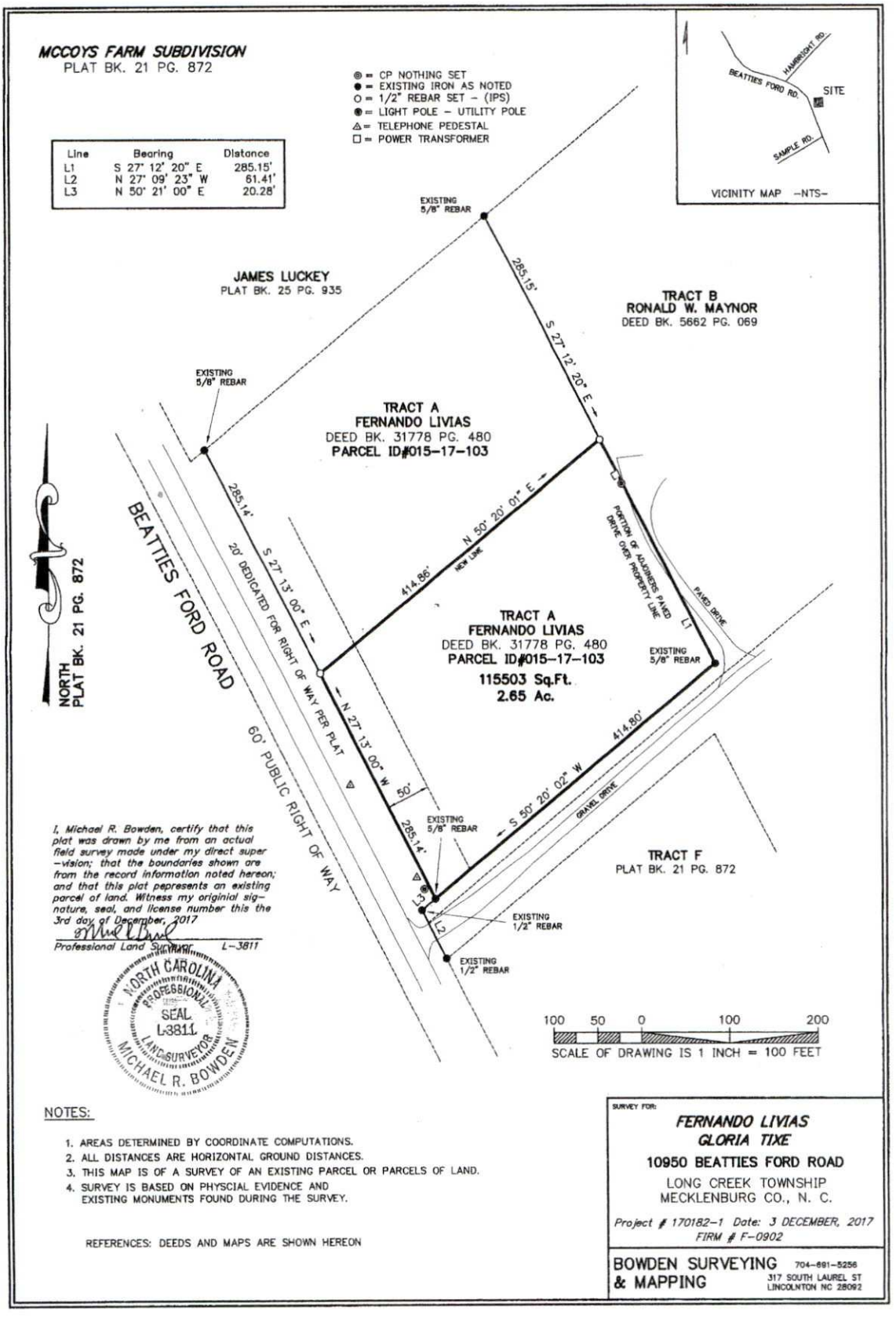
Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 10950 BEATTIES FORD RD		1	250.00	250.00

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

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

704-426-0801
~~Feran~~ Fernando

10950 Beatties Ford Rd



I, Michael R. Bowden, certify that this plat was drawn by me from an actual field survey made under my direct super-vision; that the boundaries shown are from the record information noted hereon; and that this plat represents an existing parcel of land. Witness my original signature, seal, and license number this the 3rd day of December, 2017

Professional Land Surveyor L-3811

NORTH CAROLINA PROFESSIONAL SEAL L-3811 LAND SURVEYOR MICHAEL R. BOWDEN

NOTES:

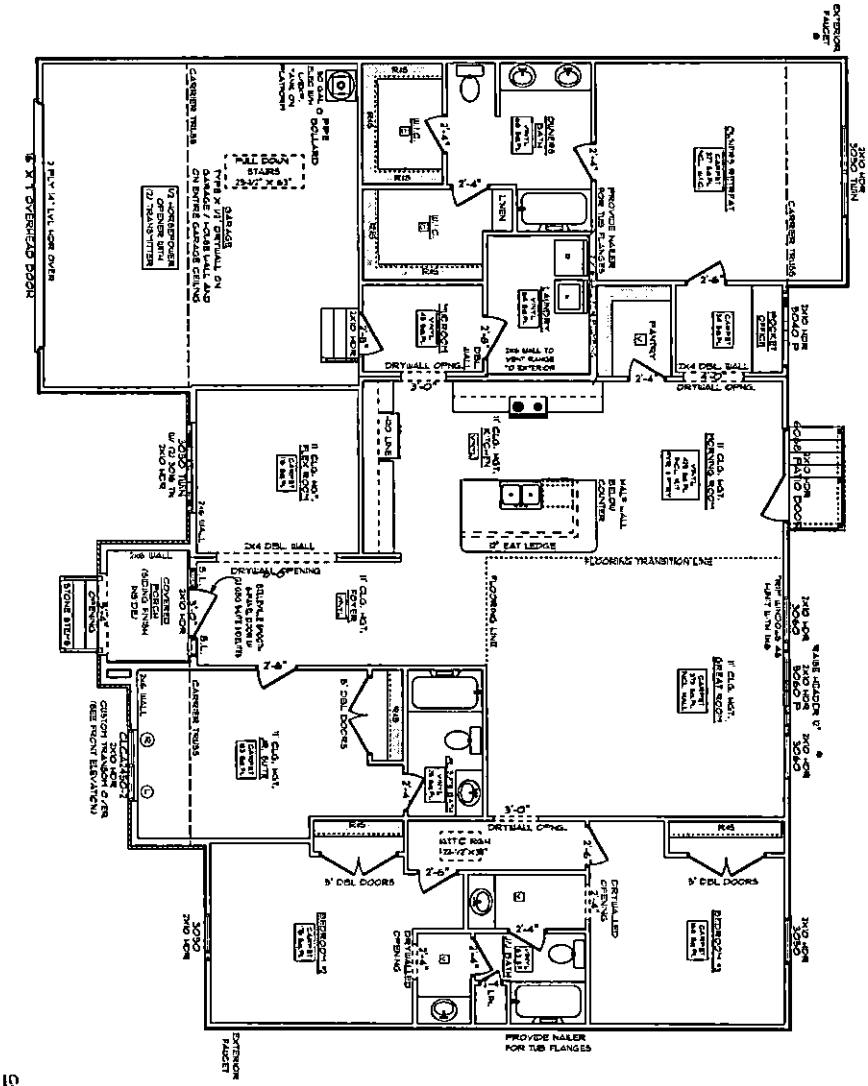
1. AREAS DETERMINED BY COORDINATE COMPUTATIONS.
2. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
3. THIS MAP IS OF A SURVEY OF AN EXISTING PARCEL OR PARCELS OF LAND.
4. SURVEY IS BASED ON PHYSCIAL EVIDENCE AND EXISTING MONUMENTS FOUND DURING THE SURVEY.

REFERENCES: DEEDS AND MAPS ARE SHOWN HEREON

SURVEY FOR:
FERNANDO LIVIAS
GLORIA TIXE
10950 BEATTIES FORD ROAD
LONG CREEK TOWNSHIP
MECKLENBURG CO., N. C.

Project # 170182-1 Date: 3 DECEMBER, 2017
FIRM # F-0902

BOWDEN SURVEYING & MAPPING 704-691-5256
317 SOUTH LAUREL ST
LINCOLNTON NC 28092



CHARLESTON 'A' / CUSTOM

MAIN FLOOR PLAN
9' CEILING HEIGHT
ELECTRICAL PLAN

SCHUMACHER HOMES
Charlotte, NC
341 Alcove Road
Mooresville, NC 28117
(877) 267-3482
www.schumacherhomes.com

CUSTOM BUILT FOR: FERNANDO & GLORIA LIVIAS

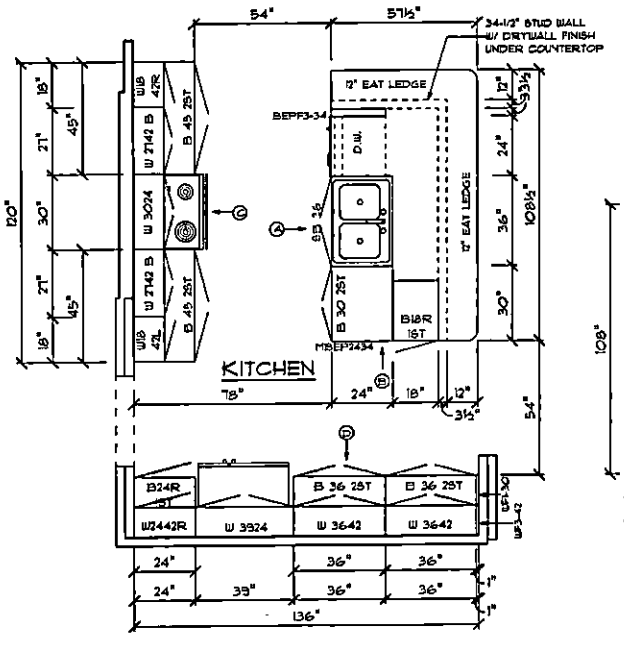
JOB #: CH13.011.0286 | CH = 79201

LOCATION: 10350 BEATTIES FORD ROAD HUNTERSVILLE, NC 28214 MECKLENBURG COUNTY

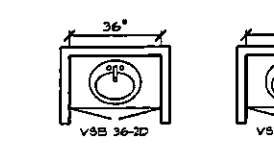
CRAWL SPACE AREA = 2414 SQ FT
MAIN FLOOR AREA = 242 SQ FT
GARAGE AREA = 462 SQ FT
PORCH AREA = 51 SQ FT

DRAWN BY: ALM | DATE: 11/2/2011 | SCALE: 1/8" = 1'-0" | PAGE: 4

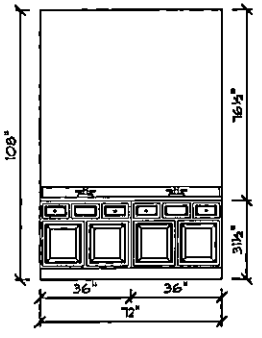
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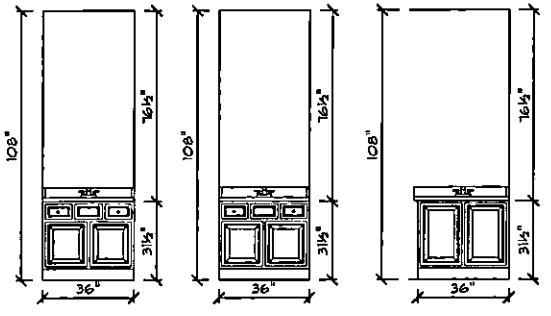
NOTE: CABINET DRAWING DIMENSIONS ACCOUNT FOR 1/2" OF DRYWALL



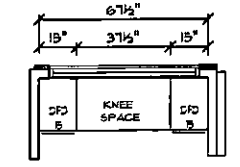
OWNER'S BATH



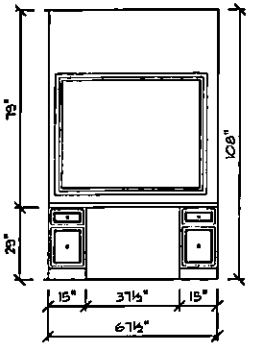
JACK & JILL BATH

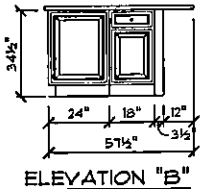


JR. SUITE BATH

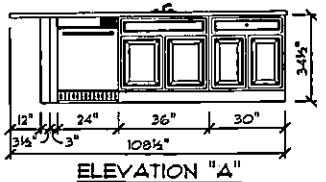


POCKET OFFICE

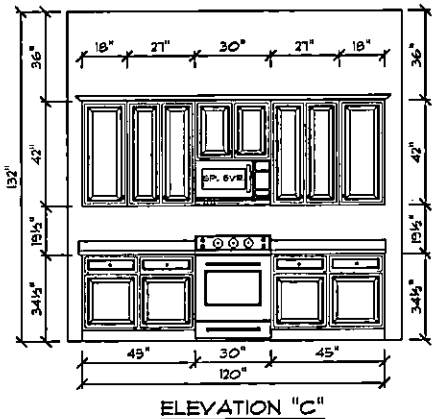




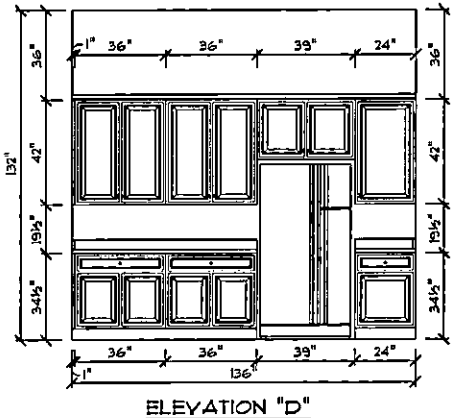
ELEVATION "B"



ELEVATION "A"



ELEVATION "C"



ELEVATION "D"

CHARLESTON 'A' / CUSTOM

CABINET PLAN

CABINET NOTES:

KITCHEN
- SPRING VALLEY MAPLE CABINETS W/ RECESSED SQUARE PANEL DOORS
- 42" TALL UPPER CABINETS
- 2-1/4" KITCHEN CABINET CROWN MOLDING
- STANDARD LAMINATE COUNTERTOPS
- 8" STAINLESS STEEL KITCHEN SINK
- HARDWARE: P50154-6TN ON DOORS & P39935-6N-C ON DRAWERS
- INCLUDED APPLIANCE PACKAGE - WHITE

BATHS
- SPRING VALLEY MAPLE CABINETS W/ RECESSED SQUARE PANEL DOORS
- CULTURED MARBLE VANITY TOPS
- HARDWARE: P50154-6TN ON DOORS & P39935-6N-C ON DRAWERS

Schumacher Homes
Charlotte, NC
341 Alcove Road
Mooresville, NC 28117
(877) 267-3482
www.schumacherhomes.com

CUSTOMER/BAT NOR: FERNANDO & GLORIA LIVIAS
JOB #: DATED 07.12.2011
LOCATION: 10360 BEATTIES FORD ROAD HUNTERSVILLE, NC 28214 MECKLENBURG COUNTY

CRAWL SPACE AREA = 2414 SQ FT
MAIN FLOOR AREA = 2412 SQ FT
GARAGE AREA = 462 SQ FT
PORCH AREA = 91 SQ FT

DRAWN BY: ALH
DATE: 10/20/11
SCALE: 1/4" = 1'-0"
SHEET: 5

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FOUNDATION NOTES:

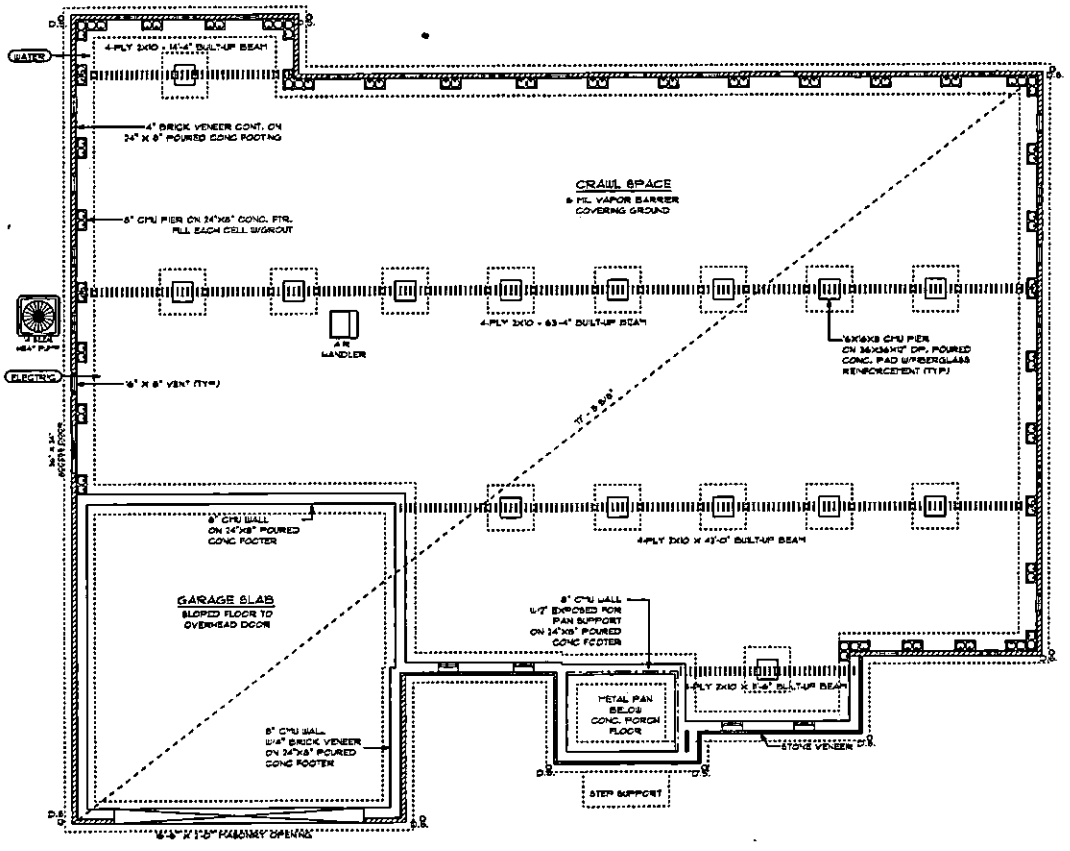
1. 32" BRICK BAND
2. BOTTOM OF PIER PADS ELEVATION SHALL BE 2' BELOW BOTTOM OF CONT. FOOTER ELEVATION.
3. DURAWALL 6'O.C. VERTICALLY (HORIZ. REINF.)
4. PIER AND CURTAIN NOTES:
   A. MAX. HEIGHT ABOVE FOOTING:
      HOLLOW MASONRY: 10 TIMES THICKNESS OF CURTAIN WALL.
      SOLID MASONRY: 20 TIMES THICKNESS OF CURTAIN WALL.
   B. UNBALANCED FILL PLACED AGAINST 4" CURTAIN WALLS SHALL NOT EXCEED 24" FOR SOLID AND 16" FOR HOLLOW MASONRY. BACKFILL SHALL NOT BE PLACED AGAINST THE WALL UNTIL WALL HAS SUFFICIENT STRENGTH AND HAS BEEN ANCHORED TO THE FLOOR ABOVE.
      EXCEPTION: WHEN BRACING IS NOT REQUIRED FOR WALLS SUPPORTING LESS THAN 48" OF UNBALANCED BACKFILL
5. CONCRETE & MASONRY FOUNDATION WALLS SHALL EXTEND ABOVE FINISHED GRADE ADJACENT TO THE FOUNDATION A MIN. OF 4" WHERE MASONRY VENEER IS USED AND 6" MIN. ELSEWHERE.
6. ALL SILLS, PLATES, OR BAND JOISTS THAT REST ON OR IN CONTACT WITH CONCRETE OR MASONRY EXTERIOR WALLS SHALL REQUIRE THE USE OF PRESSURE PRESERVATIVE TREATMENT.
7. FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE SOIL BEARING CAPACITY OF 2000 PSF.
8. WOOD PRESERVATIVES SHOULD BE APPLIED PER SECTION R317 OF THE 2012 NCRC

PIERS:

1. THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED 10 TIMES THEIR LEAST DIMENSION. WHEN HOLLOW CONCRETE MASONRY UNITS ARE USED FOR ISOLATED PIERS TO SUPPORT BEAMS AND GIRDERS, THE CELLULAR SPACES SHALL BE FILLED SOLIDLY WITH CONCRETE.

CRAWL SPACE VENT CALCULATIONS:

TOTAL CRAWL SPACE AREA: 2414
8"x16" VENT =128 SQ. IN. =.89 SQ. FT
ASSUMED NET FREE AREA =.53 SQ. FT. PER VENT
TOTAL SQ. FT. VENTILATION NEEDED:
2414 / 150 = 16.093
16.093 / .53 = 31 TOTAL VENTS.



CHARLESTON 'A' / CUSTOM
FOUNDATION PLAN

CRAWL SPACE AREA = 2414 SQ FT
MAIN FLOOR AREA = 2412 SQ FT
GARAGE AREA = 462 SQ FT
PORCH AREA = 51 SQ FT

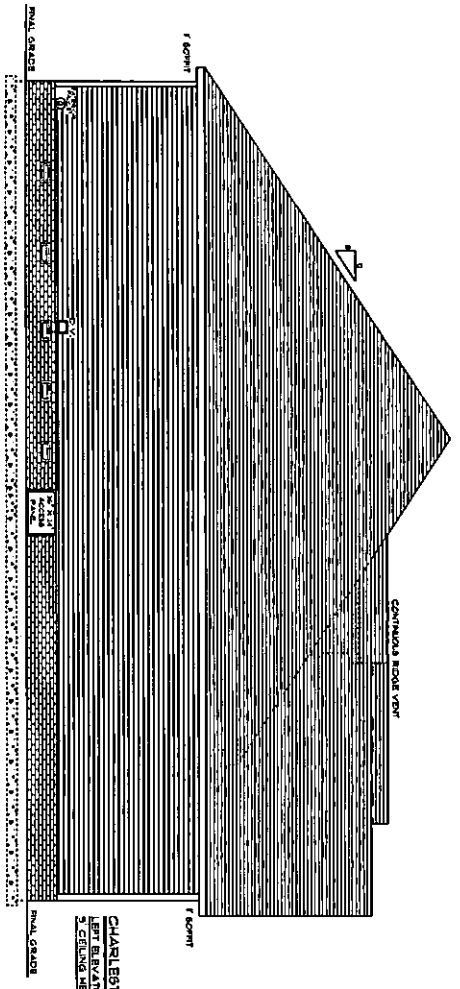
DRAWN BY: ALH
DATE: 12/2/21
SCALE: 1/8" = 1'-0"
SHEET: 3

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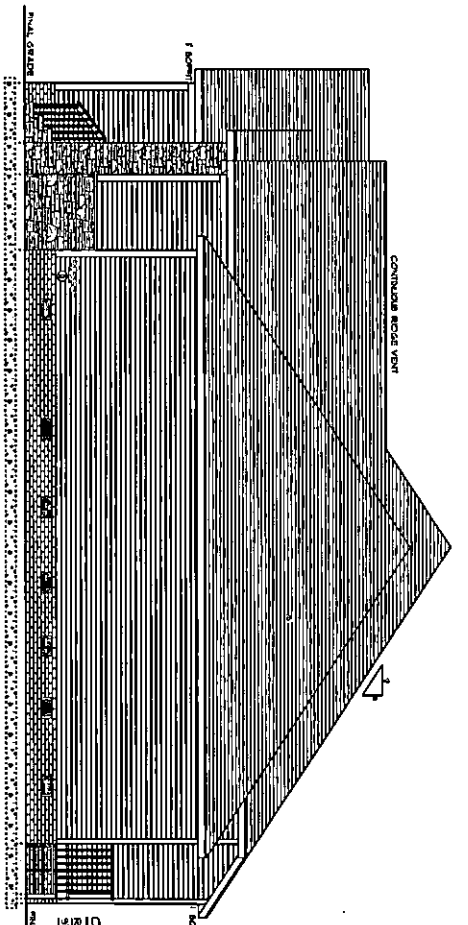
CUSTOM BUILT FOR:
FERNANDO I GLORIA LIVIAS
CELL: (347)5.071258

JOB NO. 10150 BEATTIES FORD ROAD
HUNTERSVILLE, NC, 28174
MECKLENBURG COUNTY

SCHUMACHER HOMES
Charlotte, NC
341 Alcove Road
Mooresville, NC 28117
(877) 261-3482
www.schumacherhomes.com



CHARLESTON 'A' / CUSTOM
LEFT ELEVATION
9' CEILING HEIGHT



CHARLESTON 'A' / CUSTOM
RIGHT ELEVATION
9' CEILING HEIGHT

SCHUMACHER HOMES
Charlotte, NC
341 Alcove Road
Mooresville, NC 28117
(877) 267-3482
www.schumacherhomes.com

CUSTOM BUILT FOR: FERNANDO & GLORIA LIVIAS

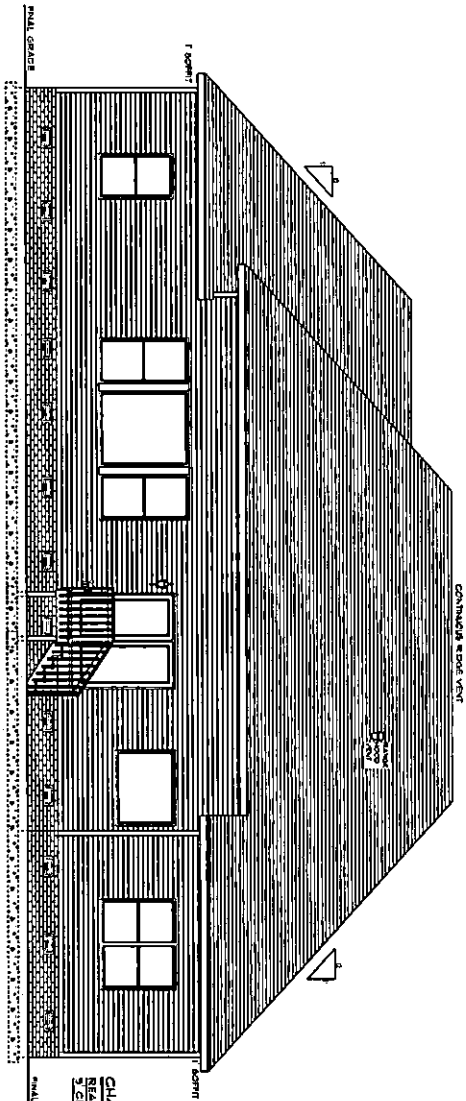
JOB #: CH05.011.0256 CH-1.2520T

LOCATION: 10930 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28214
MECKLENBURG COUNTY

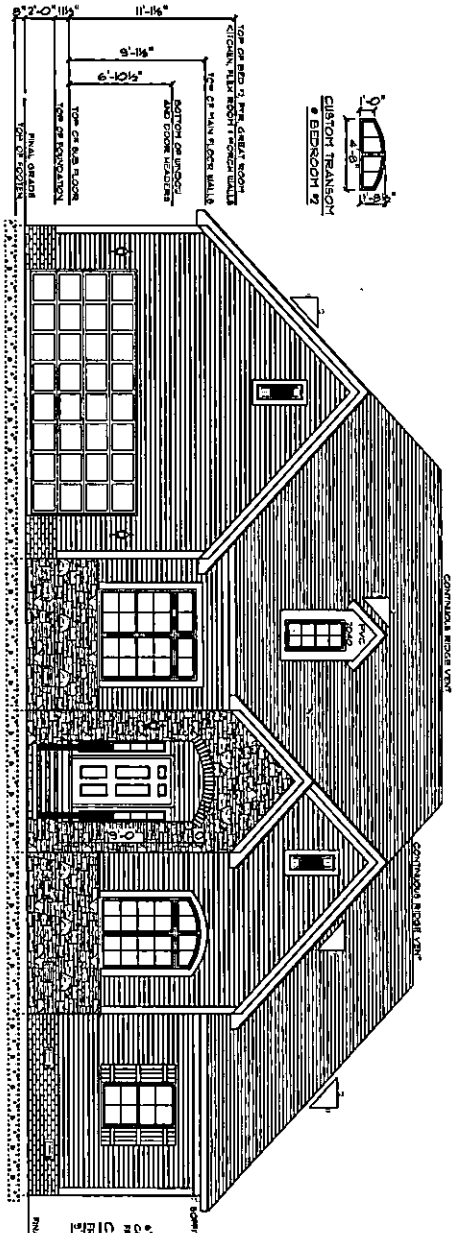
CRAWL SPACE AREA = 2414 SQ FT
MAIN FLOOR AREA = 2410 SQ FT
GARAGE AREA = 462 SQ FT
PORCH AREA = 51 SQ FT

DRAWN BY: ALH
DATE: 1/2/2011
SCALE: 1/8" = 1'-0"
DWG: 2

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CHARLESTON 'A' / CUSTOM
REAR ELEVATION
9' CEILING HEIGHT



6" FREEZE AND CORNER BOARDS ON FRONT OF HOME

CHARLESTON 'A' / CUSTOM
FRONT ELEVATION
9' CEILING HEIGHT

SCHUMACHER HOMES
Charlotte, NC
341 Alcove Road
Mooresville, NC 28117
(877) 267-3482
www.schumacherhomes.com

CUSTOM BUILT FOR:
FERNANDO & GLORIA LIVIAS

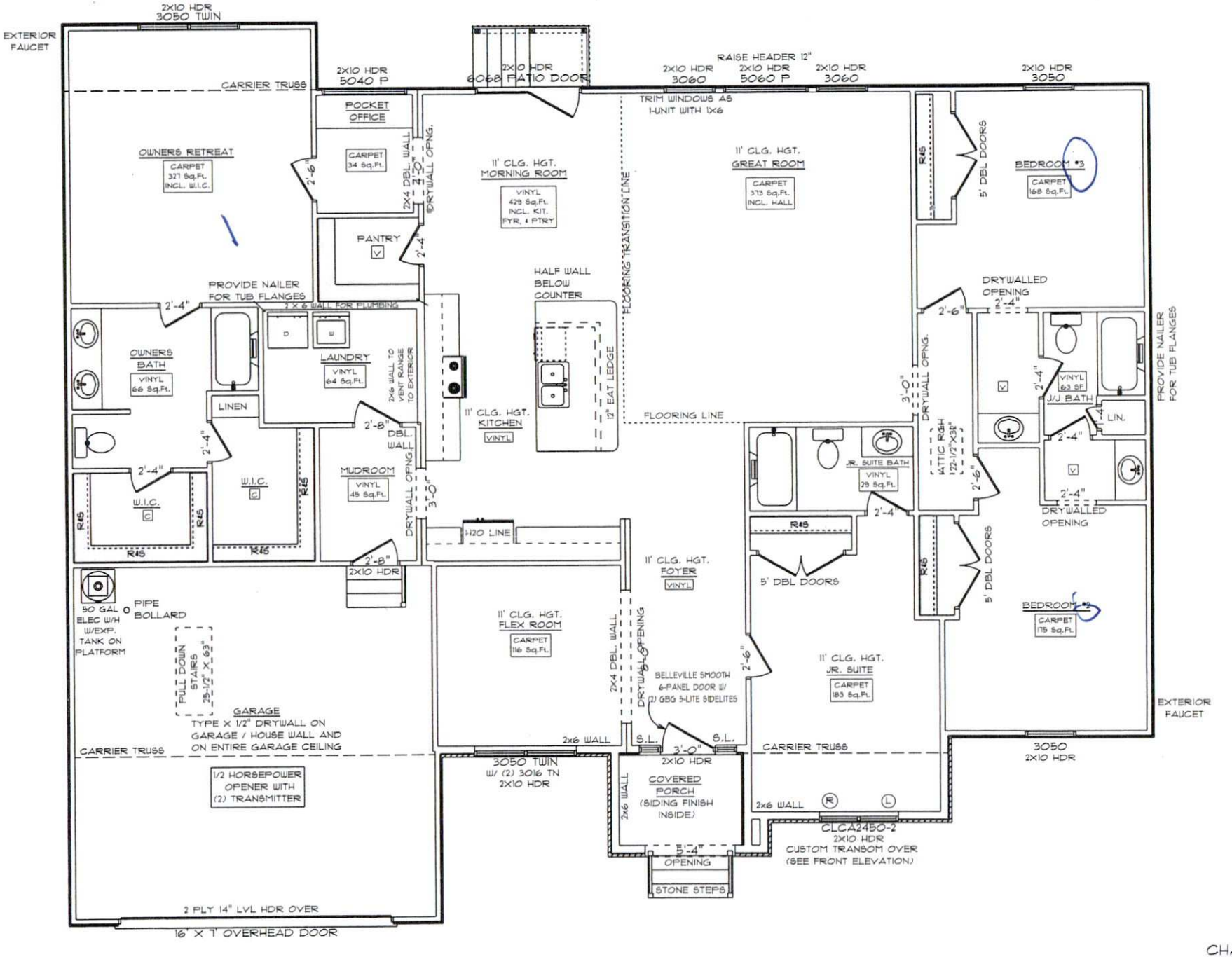
JOB # CHTS.0170258 | DR # 25201

LOCATION:
10250 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28214
MECKLENBURG COUNTY

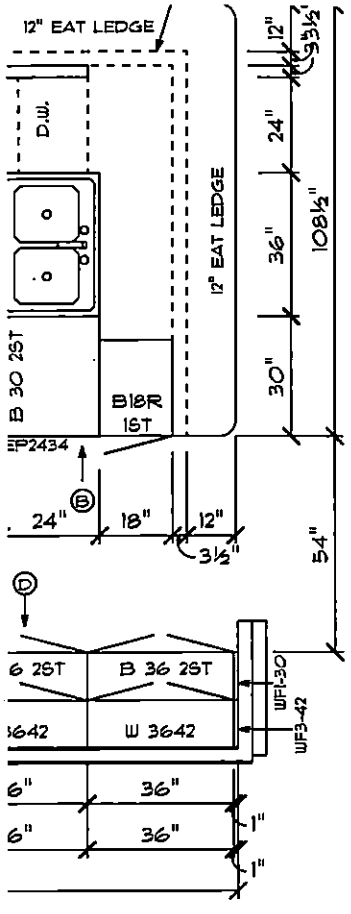
CRAWL SPACE AREA = 2414 SQ FT
MAIN FLOOR AREA = 2412 SQ FT
GARAGE AREA = 462 SQ FT
PORCH AREA = 51 SQ FT

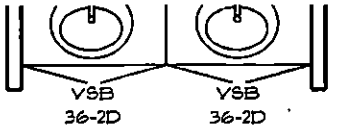
DRAWN BY: ALN | DATE: 1/2/2015 | SCALE: 1/8" = 1'-0" | PAGE: 1

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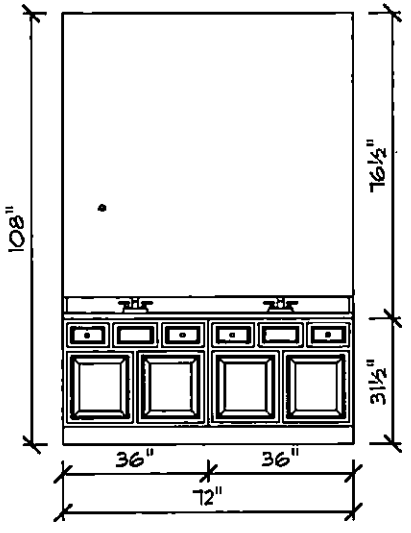


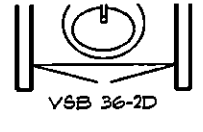
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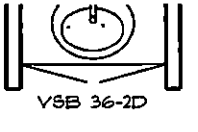




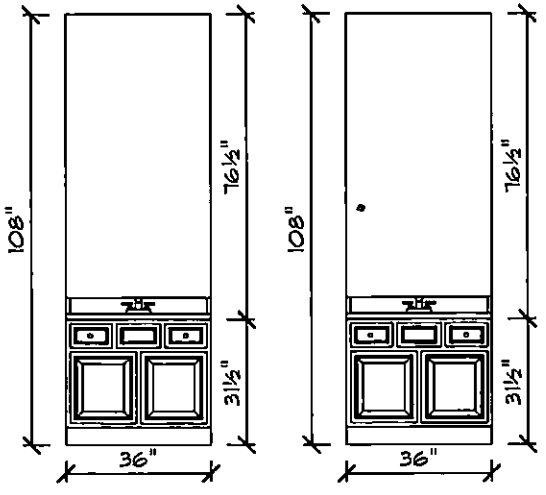
OWNER'S BATH

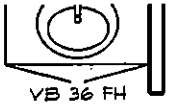




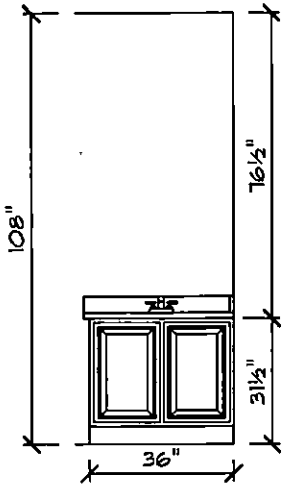


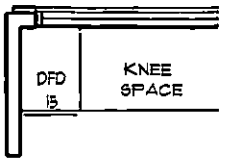
JACK & JILL BATH



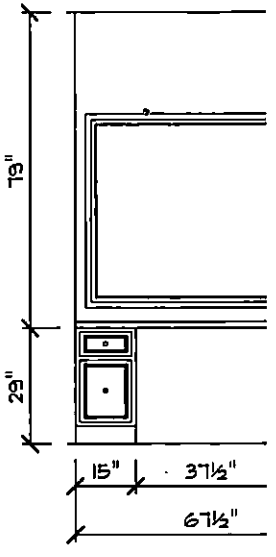


JR. SUITE BATH

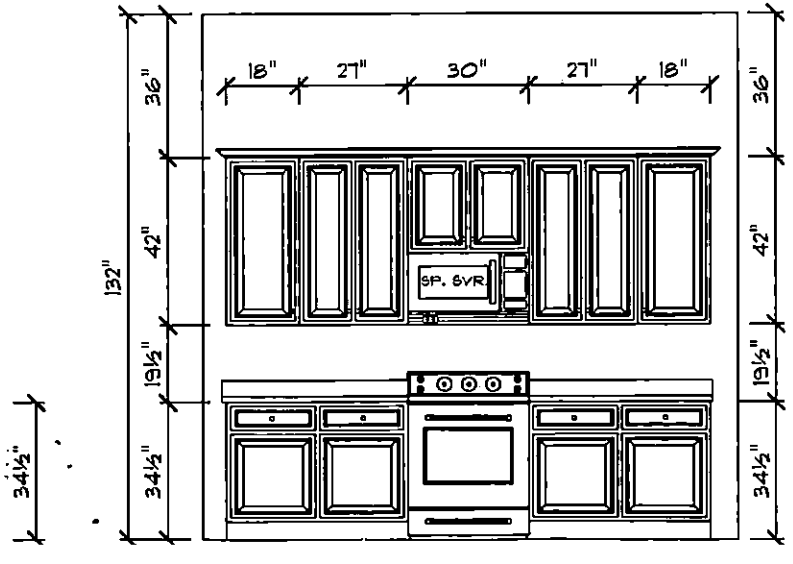


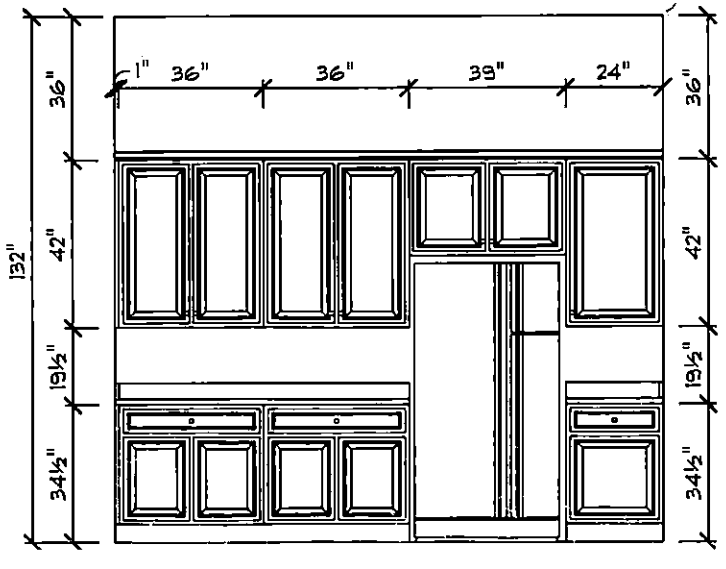


POCKET OF



ONS





CHARLESTON 'A

CABINET PLAN

CABINET NOTES:

KITCHEN

- SPRING VALLEY MAPLE CABINETS W/ RECESSED SQUARE PANEL DOORS
- 42" TALL UPPER CABINETS
- 2-1/4" KITCHEN CABINET CROWN MOLDI
- STANDARD LAMINATE COUNTERTOPS
- 8" STAINLESS STEEL KITCHEN SINK
- HARDWARE: P50154-STN ON DOORS & P39955-SN-C ON DRAWERS
- INCLUDED APPLIANCE PACKAGE - WHI

BATHS

- SPRING VALLEY MAPLE CABINETS W/ RECESSED SQUARE PANEL DOORS
- CULTURED MARBLE VANITY TOPS
- HARDWARE: P50154-STN ON DOORS & P39955-SN-C ON DRAWERS

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

Sheet: 1 of 2
Property ID: 015-171-03
Lot #: NA
File #: 9030
AppID: 9122

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Fernando Livias
Address: 21406 Waterlilly Ln, Charlotte, NC 28262
Proposed Facility: 3 Bedroom House
Design Flow (.1949): 360 GPD
Location of Site: 10950 Beatties Ford Rd, Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well
Evaluation Method: [ ] Auger Boring [X] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: owner
Date Evaluated: 10/19/2017
Property Size: 5.3 ac
Property Recorded: 5/2017
[ ] 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
Pit #1	LS 2%	0 - 4	gr SL	SS SP FR SEXP	>48"	48	NA	NA	saprolite inclusions 30 - 48"	**PS IV 0.275**	**36"**
		4 - 32	sbk C	S P FR SEXP							
		32 - 48	sbk SCL	SS SP FR SEXP							
Pit #2	LS 2%	0 - 4	gr SL	SS SP FR SEXP	>48"	48	NA	NA	saprolite inclusions 33 - 48"	**PS IV 0.275**	**36"**
		4 - 38	sbk C	S P FR SEXP							
		38 - 48	sbk SCL	SS SP FR SEXP							
Pit #3	LS 2%	0 - 4	gr SL	SS SP FR SEXP	>48"	36	PS	NA	saprolite inclusions 22 - 36" Clay inclusions 22 - 48"	**PS IV 0.25**	**30"**
		4 - 22	abk C	S P FR SEXP							
		22 - 36	sbk SCL	SS SP FR SEXP							
		36 - 48	mass SL/L	SS SP FR/FI SEXP							
Pit #4	LS 2%	0 - 4	gr SL	SS SP FR SEXP	>45"	45	NA	NA	saprolite inclusions 24 - 45"	**PS IV 0.25**	**33"**
		4 - 34	sbk C	S P FR SEXP							
		34 - 45	sbk SCL	SS SP FR SEXP							
		45	Rock								

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHS, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS: Put initial system in area of pits 1 and 2.

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



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

Sheet: 1 of 2
Property ID: 015-171-03
Lot #: NA
File #: 9030
AppID: 9122

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for ON-SITE WASTEWATER SYSTEM

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Date Evaluated: 10/19/2017
Property Size: 5.3 ac
Property Recorded: 5/2017
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		4 - 34	sbk C	S P FR SEXP							
		34 - 45	sbk SCL	SS SP FR SEXP							
		45	Rock								

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III b	III b
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHS, LSS
Others Present:
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Jeremy michelone, REHS
Others Present:

Jeremy Mark, REHS

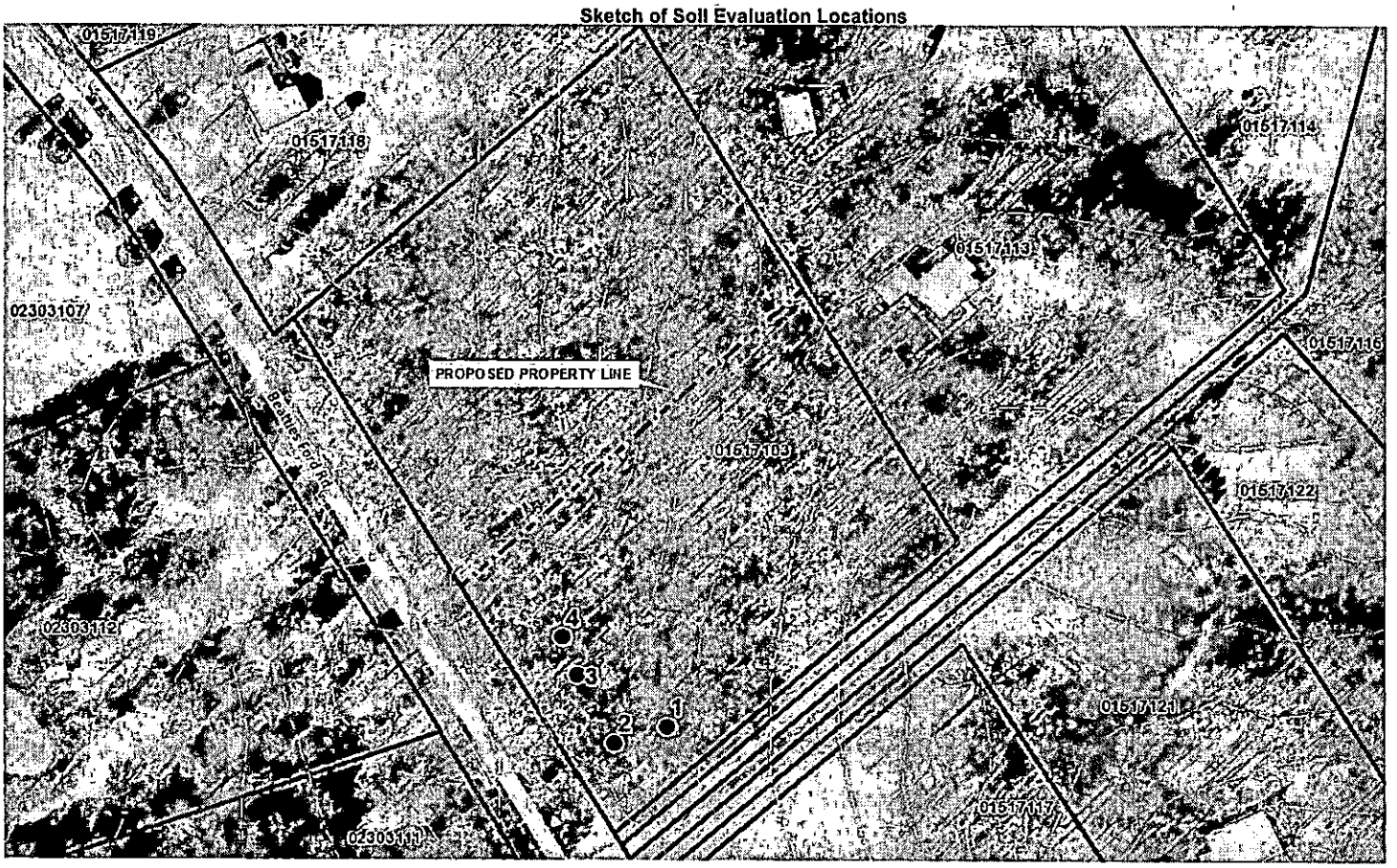
COMMENTS: Put initial system in area of pits 1 and 2.

Sheet: 2 of 2
File #: 9030
AppID: 9122

Landscape Position	Group	Texture	.1955 LTAR	Structure
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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
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CV-Convex Slope		SiCL-Silty Clay Loam		pr-Prismatic
T-Terrace				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
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				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
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FI-Firm	VS-Very Sticky	
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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



FEE: 0.00
DATE: 2/12/2018

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 9030

PERMIT NUMBER: 30009122

PARCEL NUMBER: 01517103

JOB LOCATION INFORMATION

ADDRESS: 10950 BEATTIES FORD RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: FERNANDO LIUAS

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 2/12/2018

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30009122, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, AND MAY BE ISSUED AT THE SAME TIME THE IMPROVEMENT PERMIT IS ISSUED.

Authorized Agent Signature Jerry Mullis, RT115

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30009122** GWS File #: **9030** Tax Parcel #: **015-171-03**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 1/4/2023

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 2400 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: Pump to Accepted **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: Pump to Accepted **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: Gloria Tire

Print Name

Signature: Jeremy Michelone Signature:

Date Issued: 1/4/2018

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30009122** GWS File #: **9030**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

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Authorized Agent: Jeremy Michelone

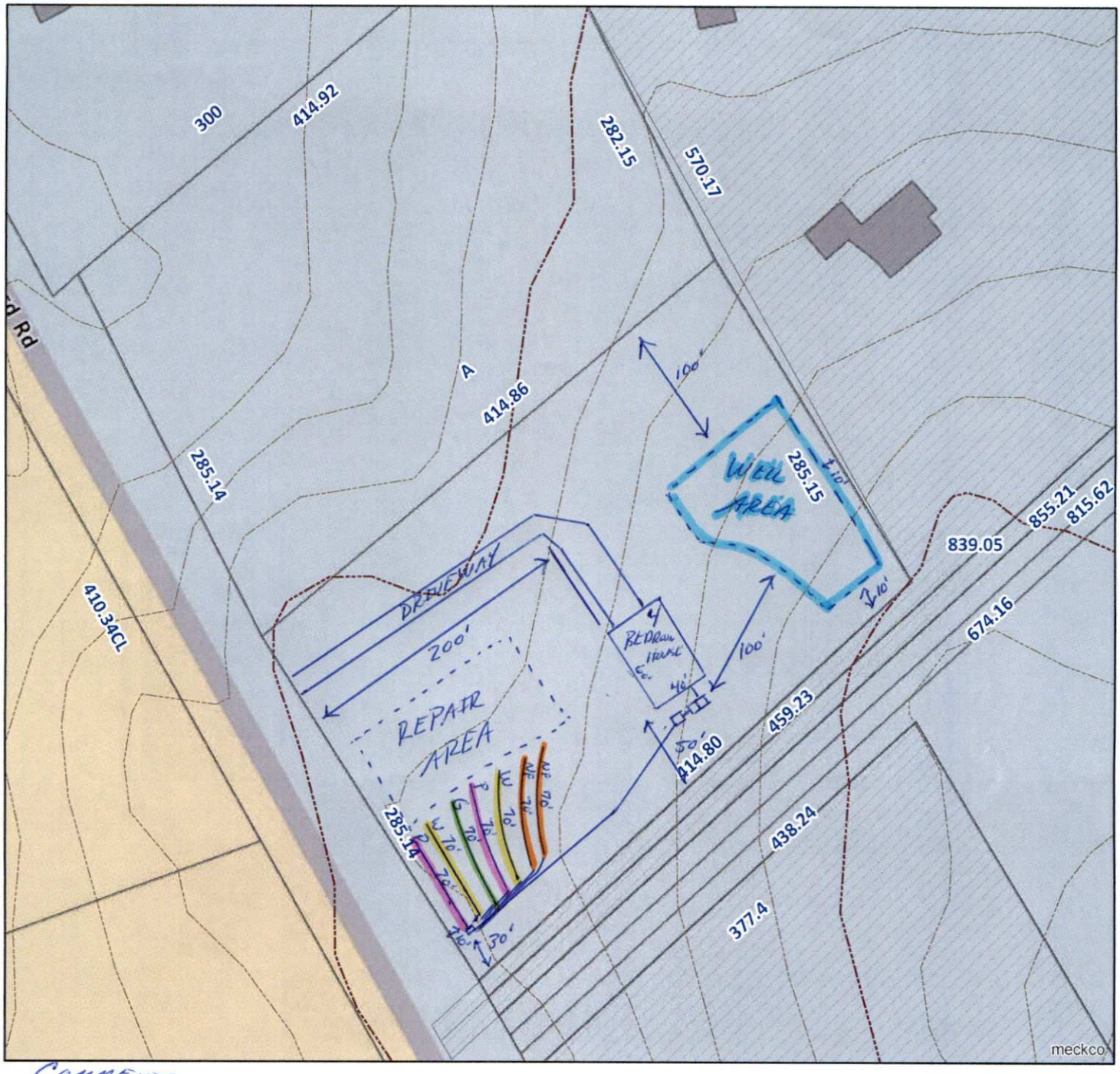
Signature: Jeremy Michelone

Date Issued: 1/4/2018

Owner/Legal Agent: GLORIA TIXE
Print Name

Signature:

On-site Wastewater Improvement Permit Diagram



COMMENTS
- 4 BEDROOM HOUSE
- 0.25 LTAR
- 24" TRENCH DEPTH
- INSTALL 7 LINES x 70' x 3' (490 TLF)
- TYPE IIA6 PUMP TO 25% RED. SYSTEM + REPAIR
- HOUSE LOCATED 200' OFF FRONT PROPERTY LINE

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 9122 / 10009418 (WELL)
PID #: 015-171-03
File #: 9030

WELL PERMIT:
→ INSTALL WELL
>25' FROM FOUNDATION
>100' FROM SEPTIC
>10' FROM PROPERTY LINES

Authorized Agent: [signature] Date: 1/4/18

Owner/ Legal Agent: [signature] Date: 02/15/2018

1 inch = 100 feet

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 9030 App # 9122 Tax Parcel # 015-171-03

Property Owner: Gloria Fixe

Job Location Address: 10950 Beatties Ford Road

City: Huntersville State: NC Zip Code: 28078

1. **Does System design match facility, flow & wastewater characteristics?**

   ☒ YES ☐ NO

   Comments:

2. **Is there sufficient available space for the septic systems initial and repair areas?**

   ☒ YES ☐ NO

   Comments:

3. **Can the septic system be installed per the permit conditions and drawing on file?**

   ☒ YES ☐ NO

   Comments: Gravity fall can be achieved and not need a pump

*** If "NO" is checked for any of the above the existing permit may need to be revoked.**

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. System shall not be installed while soils are in wet condition.

Authorized Agent — Date: 7/3/18

Others Present: Dustin O'donnell

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211, Charlotte, NC 28202
Phone: (980) 314-1680 • Fax (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9030 Permit #: 9122 Tax Parcel #: 015-171-03

Property Owner: Gloria Tixe

Job Location Address: 10950 Bentties Ford Road

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 7/5/18 **Contractor Name:** Specialty Septic

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: — gallons

Liquid Capacity of Septic Tank: 1000 gallons Manufacture SHOAF Effluent Pump Model: —

Drainfield Installation ☐ N/A

Trench Depth: 22 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 490 feet
# of Lines: 7 @ 70 feet
Depth of Media: 12 inches (Type) IQ4W
Depth of Cover: 10 inches
Distribution Device: END-CAP

Bed Installation (For Repair Installations ONLY) ☒ N/A

Bed Depth: _____ inches
Bed Width: _____ feet
Total line length: _____ feet
# of Lines: _____ @ _____ feet
Depth of Media: _____ inches (Type) _____
Depth of Cover: _____ inches
Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well
☐ Other _____

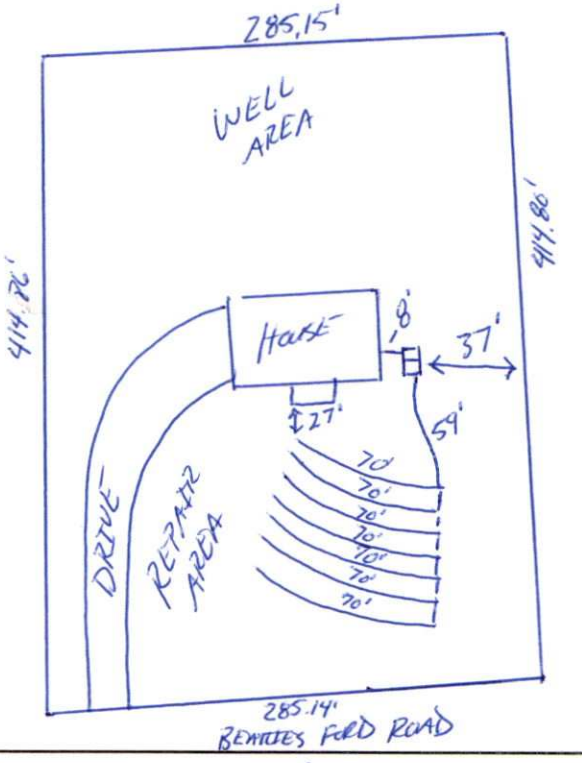
System Installation Setbacks

Distance from Building Foundation: 8' feet
Distance from Property Line: 37' feet
Distance from Water Supply Source: Not Yet Drilled feet

Inspection Dates

Tank(s) Inspected: 7/5/18
Excavation Inspected: 7/5/18
Pump & Controls Inspected: —

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operated properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments" This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: IIIg, GRAVITY, IQ4W, NA, NA
4 BEDROOM HOUSE

DENR Authorized Agent: Johnny Nicholson, REHS Signature: Johnny Nicholson, REHS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9030 Permit #: 9122 Tax Parcel #: 015-171-03

Property Owner: Gloria Tate

Job Location Address: 10950 Beatties Ford Road

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☒ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: Jeremy Mecklenburg REHS Date: 7/5/18

Signature: Jeremy Mecklenburg REHS

Groundwater & Wastewater Services: Septic Project File & D

GWS File #:	9122
WASPS App #:	9030
Primary ES assigned to project:	Jeremy Michelone
Secondary ES assigned to project:	
Project Type:	New System
Site Evaluation Information: .1939(a)(1) - Topography and Landscape Position Recorded?	Yes
Site Evaluation Information: .1940(a-g) - Slope % Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Texture Class Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Structure Type Recorded?	Yes
Site Evaluation Information: .1939 (a)(2) - Consistence Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Mineralogy Recorded?	Yes
Site Evaluation Information: .1939(a)(3) - Soil Wetness Condition Recorded?	Yes
Site Evaluation Information: .1939(a)(4) - Soil Depth to Rock or Parent Material Recorded when Encountered?	Yes
Site Evaluation Information: .1939(a)(5) - Depth to Restrictive Horizons Recorded when Encountered?	N/A
Site Evaluation Information: .1939(a)(6) - Sufficient Available Space Recorded?	Yes
Site Evaluation Information: .1937(m) - Are the Profile Locations Shown?	Yes
Site Evaluation Information: .1939(a) - Are the S/PS Profiles in system & in repair area?	Yes
Site Evaluation Information: .1939(d), .1955, .1956, .1957 - LTAR	Yes
Improvement Permit/Construction Authorization: .1937(g), 130A-336(a) - Proposed System Type stated - Initial	Yes
Improvement Permit/Construction Authorization: .1945(b) - Proposed System Type stated - Repair	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(3) - System location identifiable by setbacks - Initial	Yes
Improvement Permit/Construction Authorization: .1937(g), .1945(b) - System components shown - Initial	Yes
Information Permit/Construction Authorization: .1945(b) - Repair area shown	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Does System design match facility, flow & WW characteristics?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is System design consistent with soil/site conditions?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is the System located in the approved area?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Number of Bedrooms, employees, seats, etc. indicated?	Yes
Improvement Permit/Construction Authorization: .1937 (g) - Trench depth correct?	Yes
Improvement Permit/Construction Authorization: .1937(g) - Trench width correct?	Yes
Improvement Permit/Construction Authorization: .19379(g) - Trench length correct?	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(1) - Proposed/existing well shown?	Yes

Improvement Permit/Construction Authorization: 130A-336(a)(1) - Property line lengths shown?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Facility/appurtenance setbacks shown from fixed points?	Yes
Corrections/modifications needed?	No
Comments:	
IA issued date:	7/3/18
OP Issued date:	7/5/18
Review performed by:	Jeremy Michael
Date performed:	1/4/2018

Created at 1/4/2018 1:39 PM by Michael, Jeremy
Last modified at 1/4/2018 1:39 PM by Michael, Jeremy

Close

* Do not release until the well is completed.