IREDELL COUNTY HEALTH DEPARTMENT

06-24-13 PD #705-00 Redraw

ENVIRONMENTAL HEALTH DIVISION

Application for IMPROVEMENT PERMIT , AUTHORIZATION TO CONSTRUCT, or EXISTING SYSTEM INSPECTION

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: ✓ Improvement Permit ✓ Authorization To Construct ___ BOTH ___ Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application

The following optional attachments may also be submitted: ✓ Survey Plat, Scaled no more than 1 Inch = 60 Feet

Place check ( ) beside whichever is submitted if applicable ✓ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Tim Whelan	P.O. Box 4419 Mooresville NC 28117	704-400-8932	

Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
127 Ewart Place	The Farms	3 - 414

Driving Directions: Brawley School RD to McKendree turn (R) Follow to Kenway turn Left. First (R) on Alden Springs then First (R) on Ewart Place Lot at END!

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence — Maximum Number of Bedrooms 4 — (✓) Crawl Space Foundation?

( ) New, Multi-Family Residence — Maximum Number of Occupants ___ — (-) Concrete Slab Foundation?

( ) Expansion of Existing Septic System — If Expansion, Current Number of Bedrooms ___ — (-) Basement w/Plumbing?

( ) Repair To Failing Septic System due to ___ — (-) Basement w/out Plumbing?

( ) Other ___

IF Non- Residential Site Development: Type of Business ___

Square Footage of Building ___

Maximum Number of Employees ___

Maximum Number of Seats ___

6. Proposed Water Supply:

( ) New Well ( ) Existing Well (✓) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) Existing system--installed in N/A (YEAR)

( ) Alternative ( ) Conventional (✓) Innovative ( ) Modified Conventional ( ) Other ___ ( ) No Preference

8. Please Answer The Following To The Best of Your Ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?

( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?

( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

9. Signature: [signature] 6-24-13

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

IREDELL COUNTY HEATLH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 2: *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 IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

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

- ✓ Property Line measurements are clearly identified...
- ✓ All proposed structures are indicated...
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- ✓ Front and side setbacks from property line...
- ✓ Preferred driveway location and configuration, preferred well location...
- ✓ Area you prefer your septic system to be placed...
- ✓ North arrow, or other sufficient indicator of direction...

Circle N/A on the following if appropriate:

- ____ Location of septic systems and wells within 100' of your property... N/A
- ____ Location of easements and rights of ways on your property... N/A
- ____ Location of any designated wetlands on the property... N/A

Signature: _____ 6-24-13

REQUIRED property owner or owner's legal representative signature. **DATE**

USE THIS SPACE TO DRAW YOUR SITE PLAN

See survey already submitted!

Iredell County
ZONING PERMIT

227 South Center St. PO Box 788 Statesville, NC 28687 Phone 704-878-3118

Call Sanitarian between 8 a.m. & 9 a.m. Statesville 704-878-5305 Mooresville 704-664-5281

Permit #: 119547ZO
Proposed Use: Single Family
Location of Property: 000 Ewart Place Mooresville NC 28117
Parcel #: 4625-50-5104.414
Lot #: 414 Size: .79
Applicant: Toney Jacobs & Associates, Inc (Toney Jacobs)
Address: 168 Broadbill Dr
Mooresville NC 28117
Phone: 704-663-6905
Property Recorded: No Site Plan Reviewed:

Subdivision: The Farms
Township: 1700 Davidson
Zoning: RA
Flood Plain: No Watershed: WSIV-CA
Owner: The Farms, LLC
Address: 2214 Brawley School Rd
Mooresville, NC 28115
Phone:
Community Water: No Community Sewer: No

If permitted the following minimum requirements must be met, unless Health Department requires more land area, or other qualifications are indicated in the comments.

Min. Lot Area: 30,000 Min. Front Yard: 35 ft Min. Left Side Yard: 15 ft
Min. Lot Width: 100 Min: Rear Yard: 35 ft Min: Right Side Yard: 15 ft
Min. Number Parking Spaces: Max. Built Upon Area:
Comments:

Hold building permit until plat has been recorded to document lot creation from parent parcel.

Directions:

Brawley School Rd., R on McKendree, L Bayberry

FEES

Zoning Permit/Inspection Fee	☑	$45.00
Site Plan Review Fee	☐	$0.00
Environmental Health New System	☑	$200.00
Environmental Health Existing System	☐	$0.00
Total Fees:		$245.00

I certify that all statements made in this application and any attached documents are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that false information may be grounds for rejection of this application. Authorized Health Department and Planning & Enforcement Representatives are granted right of entry to make evaluations or inspections and to release information upon public request.

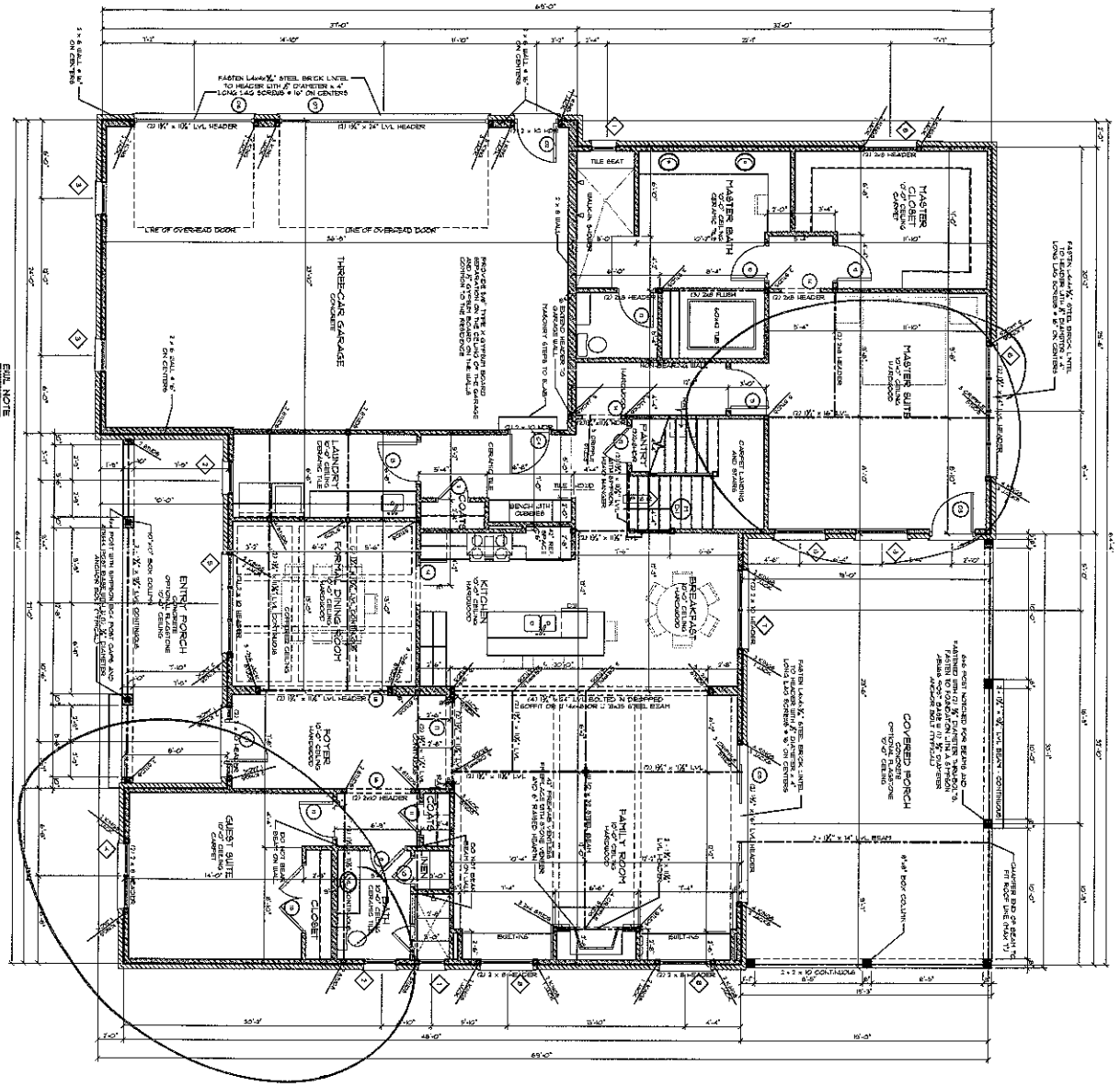
Applicant:_____ Date: _____

A non-refundable fee of $45.00 is charged on all permit applications.

ELLIOTTE BLACKWELL

Printed: 3/4/2004

Acknowledgement Of
Plans Submittal ONLY!
Date 4-26-13
Date 5/1/13



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

FIRST FLOOR WINDOW SCHEDULE				
	WIDTH	HEIGHT	NOTES	
(01)	2'-0"	3'-0"	FIXED GLASS WINDOW	
(02)	2'-6"	4'-6"	SINGLE DOUBLE HUNG WINDOW UNIT	
(03)	3'-0"	6'-0"	SINGLE DOUBLE HUNG WINDOW UNIT	
(04)	3'-6"	6'-0"	TWIN DOUBLE HUNG WINDOW UNIT	
(05)	4'-0"	6'-0"	TRIPLE DOUBLE HUNG WINDOW UNIT	
(06)	5'-4"	6'-0"	QUAD DOUBLE HUNG WINDOW UNIT	
(07)	3'-0"	6'-0"	TWIN DOUBLE HUNG WINDOW UNIT	
(08)	2'-0"	6'-0"	SINGLE FIXED GLASS WINDOW UNIT	

FIRST FLOOR DOOR SCHEDULE				
	WIDTH	HEIGHT	NOTES	
(01)	3'-0"	8'-0"	EXTERIOR FRONT DOOR GLASS ENTRY DOOR WITH 12" SIDELIGHTS (TEMPERED)	
(02)	3'-0"	8'-0"	SINGLE EXTERIOR FRENCH GLASS DOOR (TEMPERED)	
(03)	3'-0"	8'-0"	SINGLE EXTERIOR FRENCH GLASS DOOR (DIMENSIONED)	
(04)	3'-0"	8'-0"	SINGLE 20 MINUTE (MIN) RATED DOOR	
(05)	16'-0"	8'-0"	4 SECTION OVERHEAD GARAGE DOOR WITH WOOD VENEER	
(06)	9'-0"	8'-0"	4 SECTION OVERHEAD GARAGE DOOR WITH WOOD VENEER	
(07)	2'-6"	8'-0"	SINGLE TWO PANEL INTERIOR DOOR	
(08)	2'-4"	8'-0"	SINGLE TWO PANEL INTERIOR DOOR	
(09)	2'-8"	8'-0"	SINGLE TWO PANEL INTERIOR DOOR	
(10)	3'-0"	8'-0"	SINGLE TWO PANEL INTERIOR DOOR	
(11)	5'-0"	8'-0"	TWIN PANEL INTERIOR DOOR	
(12)	6'-0"	8'-0"	TWIN PANEL INTERIOR DOOR	
(13)	5'-0"	8'-0"	CASED OPENING	
(14)	6'-0"	8'-0"	CASED OPENING	
(15)	10'-0"	8'-0"	CASED OPENING	

SQUARE FOOTAGE (HEATED)	
FIRST FLOOR HEATED	2501
SECOND FLOOR HEATED	1376
TOTAL HEATED SQFT.	3877
TWO-CAR GARAGE / STORAGE	648
COVERED PORCH	310
COVERED ENTRY PORCH	84
TOTAL UNDER ROOF	5984

GENERAL FLOOR PLAN NOTES

1. SEE SHEET S1 FOR ADDITIONAL FRAMING NOTES.
2. ALL HEADERS ARE 2x8 (U.N.O.)
3. ALL EXTERIOR WALLS ARE 2x6 @ 16" O.C. (SEE SHEET S1 FOR ADDITIONAL INFORMATION) UNLESS NOTED OTHERWISE ON PLANS OR SECTIONS ABOVE TO ALLOW FOR CONDITIONED CAVITY SPRAY FOAM INSULATION.
4. PROVIDE 1/2" DRYWALL SEPARATION BETWEEN HOUSE & GARAGE @ 1 HR CONTINUAL AT CEILING OF GARAGE.
5. ALL ANGLES ARE 45° (U.N.O.)
6. INSTALL CPL. JOINT UNDER ALL PARALLEL PARTITION WALLS (U.N.O.)
7. INSTALL A PR. OF (2) 2x6 STUDS OR (2) 2x6 BEARING FASTENED @ 24" O.C. STAGGERED @ EACH SIDE OF ALL OPENINGS IN FIRST FLOOR LEVEL WALLS.
8. ALL INTERIOR WALLS TO HAVE 1/2" GWB SECOND FLOOR LEVEL WALLS.

THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING ENGINEERED METHODS TO RESIST LATERAL LOADS ALONG THE GLASS LINE OF 30 FEET 36" ALONG THE INTERIOR TO FEET 36" WHERE WALL LINED ARCHITECTURALLY. ADDITIONAL BRACING MAY BE REQUIRED TO MEET THE LATERAL LOADS IN THIS CODE.

FAIL NOTE

REVISED 9/4/13

FBA
FRANK BETZ ASSOCIATES, INC.
3401 LAKE PARK DRIVE/SUITE 250
SMYRNA, GEORGIA 30080
770/431-0886
www.frankbetz.com
HOMEPLANS

PROJECT:
THE WHELAN RESIDENCE
Lot 414 Ewart Place
THE FARMS
Mooresville, NC

NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD.

AS NOTED
2013-381

DRAWN BY:
K. HOLDRIDGE

DATE:
APRIL 9, 2013

ENGINEER:
LUTZ ALLISEN ENTWISTLE ENGINEERING
1320 HARBOR BAY PARKWAY, SUITE 110
CHARLOTTE, NORTH CAROLINA 28214
704.375.8118

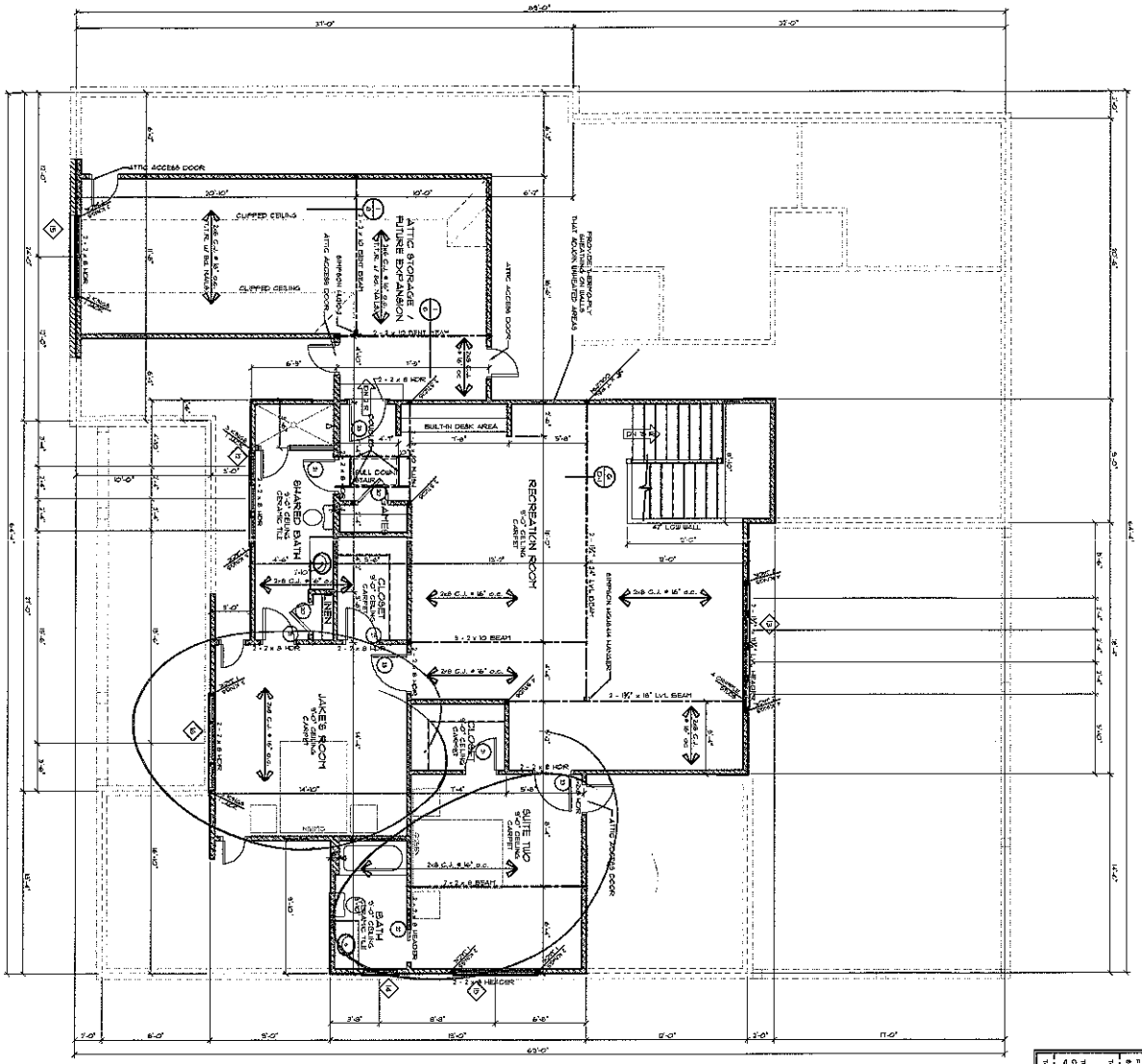
SHEET 6 OF 15

ESSENTIAL DESIGN, INC.
704.892.2755
WWW.ESSENTIALDESIGNS.COM

Acknowledgement Of
Plans Submittal ONLY

Date 4-26-13

Date 5/1/13



SQUARE FOOTAGE

MARCH 13, 2013

FIRST FLOOR HEATED	3280
SECOND FLOOR HEATED	1210
TOTAL HEATED SQ.FT.	3880
TWO CAR GARAGE / STORAGE	848
COVERED PORCH	210
REAR COVERED VERANDA	216
TOTAL UNDER ROOF	5354

SECOND FLOOR WINDOW SCHEDULE

	WIDTH	HEIGHT	NOTES
A	2'-0"	2'-0"	TRIPLE CASEMENT UNIT/FIXED GLASS
B	2'-0"	2'-0"	QUAD FIXED GLASS UNIT/FIXED GLASS
C	2'-6"	4'-6"	SINGLE DOUBLE HUNG WINDOW UNIT
D	3'-0"	4'-6"	TWIN DOUBLE HUNG WINDOW UNIT
E	4'-0"	4'-6"	SINGLE DOUBLE HUNG WINDOW UNIT 2'-0" + 2'-0" DOUBLE HUNGS ON EITHER SIDE

SECOND FLOOR DOOR SCHEDULE

	WIDTH	HEIGHT	NOTES
(20)	2'-0"	6'-8"	SINGLE TWO PANEL INTERIOR DOOR
(21)	2'-4"	6'-8"	SINGLE INTERIOR TWO PANEL DOOR
(22)	2'-6"	6'-8"	SINGLE INTERIOR TWO PANEL POCKET DOOR
(23)	3'-0"	6'-8"	SINGLE INTERIOR TWO PANEL DOOR

1/8 BENT BEAM DETAIL

SCALE: 1" = 1'-0"

NOTE: BOLT SPACERS IN THE MIDDLE FOR BOTH LEGS OF BENT BEAM

GENERAL FLOOR PLAN NOTES

1. SEE SHEET SM1 FOR ADDITIONAL FRAMING NOTES.
2. ALL FLOORING JOISTS ARE (2) 2x8 SPF #2 WITH 1 JACK AROUND PERIMETER OF HOUSE UNLESS NOTED OTHERWISE.
3. ALL POINT LOADS ARE ON INSERT SHEET SM1 ARE TO BE EQUAL TO EITHER SIDE OF POINT LOADS UNLESS NOTED OTHERWISE. LOADS TO BE TRANSFERRED TO PIERS / FOOTINGS BELOW.
4. INSTALL BLOCKING AT ALL PARTITION WALLS PERPENDICULAR TO FLOOR JOISTS.
5. ALL ANGLES ARE 45° (U.N.O.)
6. INSTALL DBL JOIST UNDER ALL PARALLEL PARTITION WALLS (U.N.O.)
7. INSTALL A MIN. OF (3) 2x4 STUDS UNDER ALL BEAM POCKETS (U.N.O.) AT THE FIRST FLOOR LEVEL.
8. ALL EXTERIOR WALLS TO HAVE "KNK" OSB SHEATHING PATTERN w/ 6d NAILS @ 6" o.c. AROUND PERIMETER w/ 6d NAILS @ 6" o.c.
9. J. JACK TIE-TIED TO RAFTER W/ 4 - 10d NAILS EACH END

BULL NOTE

THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER AND IS DESIGNED TO MEET THE MINIMUM REQUIREMENTS OF THE 2009 NORTH CAROLINA RESIDENTIAL BUILDING CODE. WHERE SHOWN, LATER REQUIRE RAFTER REINFORCEMENT WHERE SHALL LATER REQUIRE RAFTER REINFORCEMENT. WHERE SHALL LATER REQUIRE RAFTER REINFORCEMENT. ALL ADDITIONAL LOADS SHALL BE ANALYZED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY CONSTRUCTION METHODS OR MEANS NOT SPECIFICALLY INCLUDED TO REVIEW THE LATERAL LOADS.

SECOND FLOOR PLAN

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

REVISED BY:

FBA
FRANK BETZ ASSOCIATES, INC.
2401 LAKE PARK DRIVE/SUITE 250
SMYRNA, GEORGIA 30080
770/431-0555
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HOMLPLANS

PROJECT:

THE WHELAN RESIDENCE

Lot 414 Ewart Place
THE FARMS
Mooresville, NC

NOTE: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND ANGLES IN FIELD.

JOB NUMBER: 2013-181

DRAWN BY: K. HOLDRIDGE

DATE: APRIL 18, 2013

INTELLIGENT DESIGN ENGINEERING
1200 Northlake Mall Suite B
Charlotte, North Carolina 28216
Corporate License No. C-3110

DESIGN: KH

SHEET 8 OF 15

DESIGN PHONE 704-909-2795
WWW.KHRESIDENTIALDESIGN.COM

MEMBER

VISION OF ENVIRONMENTAL HEALTH
N-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CRT T. Whelan APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: lot 414 Farms II PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

SE = Slightly Exp

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1		0-8	BSCL WSBK	fr: SSSP	SAPRO.		OK MD 8/12/13		PS .3
		8-48	RBC SCL	fr: SSSP					
2		0-7	BCL WSBK	fr: SSP			OK MD 8/12/13		PS .3
		7-42	RBC SCL	fr: SSSP	SAPRO.				
		42-51	RBCL WSBK	fr: SSSP					
3	8/12/13 In Front	0-3"	Fill SCL/GR FR	Wash from upper lot					PS .3
		3"-10"	Dk Brn C. ABK	may be fill					
		10-48"	R to R/Brn C/CL	m-wSBK	SS, SP, SExp, FR				
4	8/12/13	0-7	Brn SCL	gr to wSBK	SS, SP, SE, FR				PS .3
		7-48"	R to R/B C/CL	m-wSBK	SS, SP, SExp, FR				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	.3	.3

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Maria Dotson / B Freeman Previous
OTHER(S) PRESENT: _____

415
1.00 Ac.
414
0.79 Ac.
413
0.80 Ac.
412
078 Ac.
88.00'
SETBACK
77.04'
SETBACK
76.62'
SETBACK
102.61'
SETBACK
DRIVE
DRIVE
DRIVE
DRIVE
240'
302'
820
314'
250'
241'
313'
825
815
104'
142'
172'
18"RCP
INV=82
60'x70'
4+84.56
4+00
68'
99'
80'