IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 17609

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4627128385

APPLICANT: ANGELA GARCIA APPLICANT ADDRESS: 104 TUSKAROKA PT MOORESVILLE NC 28117

SITE ADDRESS: 126 CARAWAY LN - MOORESVILLE PHONE: ALT. PHONE: N/A

SITE DIRECTIONS: BRAWLEY SCHOOL - TR LAKEVIEW SHORES LOOP - TR CARAWAY - AT END

SUBDIVISION: CL & T SECTION: 8 LOT # 305 LOT AREA: 1.19AC DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank 1000 (gal) STB 794 Date 8-15-17

Pump Tank 1000 (gal) PT 283 Date 8-15-17

Pump Make LIBERTY Model 290 Serial #

Nitrification Fields 1 # Lines 6 Linear Ft: 267

Trench Width 24" Max. Trench Bottom Depth 35" Gravel Depth N/A

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: LP PPBPS

Repair System Description: TS II DRIP

Maintenance Agreement Required: ☑ YES ☐ NO

☐ GRAVITY ☑ PRESSURE

☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 4 No. Persons 8 No. Employees

☑ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions:

INITIAL SITE SKETCH

See Michael Athanas & Associates Design.

AS BUILT SKETCH

CHECKED LINES, TANKS JA 9-21-17

O - 38'
W - 64'
P - 60'
Y - 56'
O - 49'

INSTALLED IN 5 LINES

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT *with plat* valid without expiration ☑ IMPROVEMENT PERMIT *with site plan* valid for 60 mos. ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Angela Garcia Date: 9/30/16

IMPROVEMENT PERMIT by: Date: 9/27/16

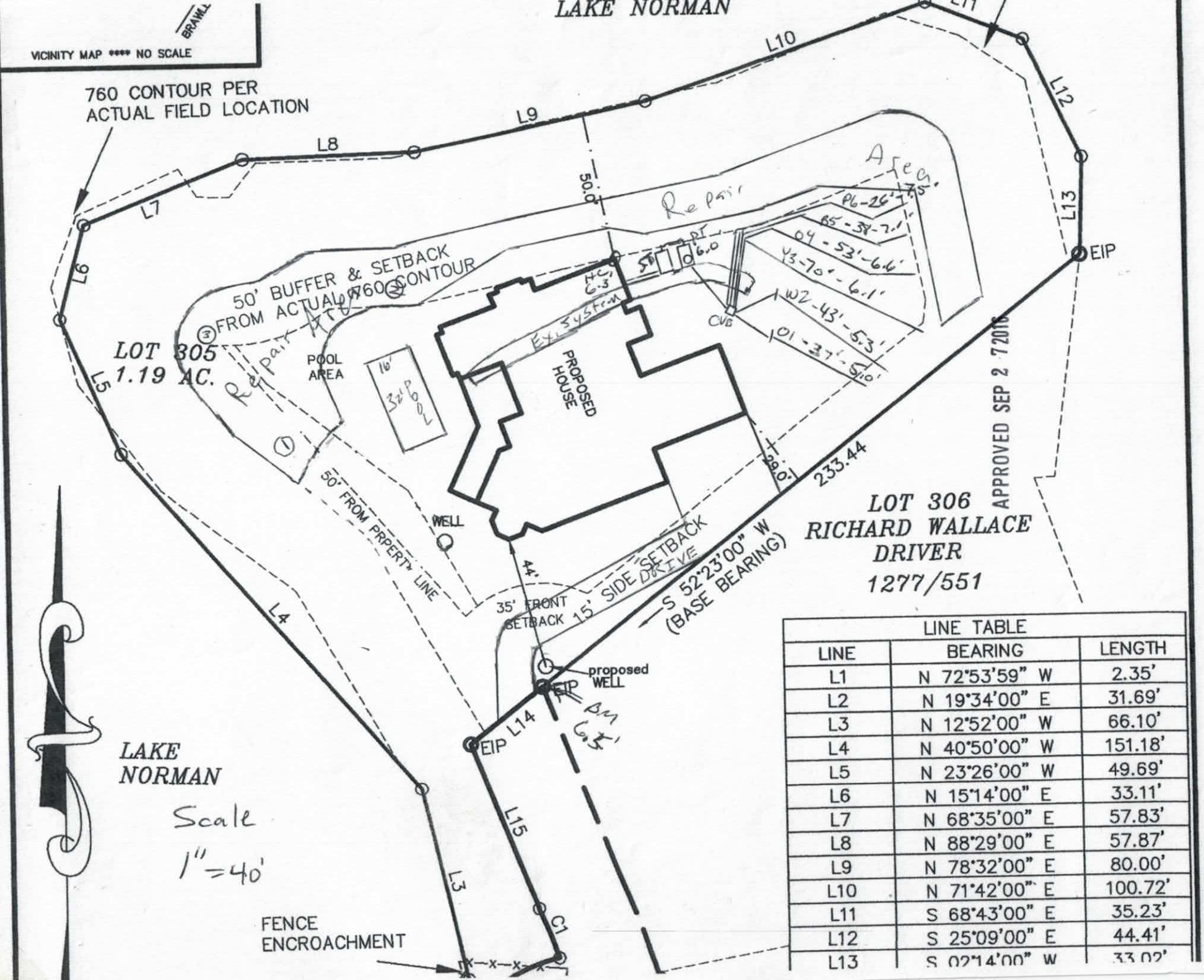
AUTHORIZATION TO CONSTRUCT by: Date: 10-18-16

Installed by: ABERNATHY

OPERATION PERMIT by: Maria Dotson Date: 12/12/17

Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 72°53'59" W	2.35'
L2	N 19°34'00" E	31.69'
L3	N 12°52'00" W	66.10'
L4	N 40°50'00" W	151.18'
L5	N 23°26'00" W	49.69'
L6	N 15°14'00" E	33.11'
L7	N 68°35'00" E	57.83'
L8	N 88°29'00" E	57.87'
L9	N 78°32'00" E	80.00'
L10	N 71°42'00" E	100.72'
L11	S 68°43'00" E	35.23'
L12	S 25°09'00" E	44.41'
L13	S 02°14'00" W	33.02'



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 126 Caraway Ln, CL&T Sec 8 Lot 305
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial-ICHD), 0.1 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: TSII Drip Irrigation
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 35.4 GPM
Dosing Volume: 216 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 6'
Friction Head: 0.5'
Pressure Head: 2'
Total Dynamic Head: 8.5'
Supply Line Length: 20' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 35" (ICHD)

APPROVED SEP 2 7 2016

Line	Design Length	# of Panels	Actual Length	Elevation
Orange 1	37'	8	38'	5.0'
White 2	43'	10	43'	5.3'
Yellow 3	70'	16	70'	6.1'
Orange 4	53'	12	54'	6.6'
Blue 5	38'	8	39'	7.1'
Pink 6	26'	6	27'	7.5'

Initial System: 267' **Repair System:** 4800+ FT2
Pump Tank: 6.0' **House Corner:** 6.3' **Benchmark:** 6.5'

Comments:
This lot was previously approved for a five bedroom residence by ICHD. MA&A are proposing a four bedroom residence and a pool. The house location has changed from the approved IP. MA&A have performed two additional soil observations to expand the pretreated repair area. The lot was deeded in 1976 (BK 14, PG 83) and the septic lines can go to five feet of the property lines.



APPROVED SEP 2 7 2016

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4627128385
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Angela Garcia
APPLICATION DATE
ADDRESS: 104 Tuskarora Pt Ln, Mooresville, NC 28117
DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 1.19 AC
LOCATION OF SITE: 126 Caraway Ln, CL&T Sec 8 Lot 305
PROPERTY RECORDED: 12/2/1976

WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other

EVALUATION METHOD: Ξ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 3%	0-24	R CL WSBK	FR SS SP SEXP	N/A	24"	F-C SAP	N/A	PS 0.3
		24-	SL SAP M	VFR SS SP SEXP					
2	LS 4%	0-8	Br SCL WSBK	FR SS SP SEXP	N/A	30"	N/A	N/A	PS 0.3
		8-24	R C SBK	FR SS SP SEXP					
		24-30	R CL WSBK	FR SS SP SEXP					
3	LS 4%	0-8	Br SCL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		8-45	R C SBK	FR SS SP SEXP					
		45-48	R CL WSBK	FR SS SP SEXP					
4									

APPROVED SEP 2 7 2016

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	534 FT2	4800 FT2
System Type(s)	PPBPS	DRIP
Site LTAR	0.3 (ICHD)	0.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

Updated February 2014

RECEIVED SEP 1 6 2016

IREDELL COUNTY HEALTH DEPARTMENT #176099

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM* Comprehensive Relayout Pd $350.00

Application For:

(X) Septic Improvement Permit (✓) New Well Permit (✓) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) Septic System Repair

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.

Paid $500.00 9-30-16

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted:

Place an (X) beside whichever is submitted if applicable

(✓) Survey Plat, scaled no more than 1 inch = 60 feet

( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Angela Garcia **Address:** 104 Tuskarora Pt Ln 28117 Mooresville NC **Phone:** angie@queencitypastry.com

Owner Name: Same **Address:** _____ **Phone:** _____

Property Information:

Street Address: 124 Caraway Ln

Subdivision Name: Catt **Section/Phase:** 8 **Lot Number:** 305

Driving Directions: BSR, TR McKendree, TR Lakeview St. LP, TR Caraway, at end

Site Development Information: *(check or complete ALL that apply)*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: _____
(✓) Swimming Pool
( ) Other Addition/Structure: _____

(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business: _____
Square Footage of Building: _____
Maximum Number of Employee: _____
Maximum Number of Seats/Beds/Other: _____

Water Supply:

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

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:** _____

( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other: _____

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. industrial) 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.

Signature: _____ 9/14/2016
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Angie Garcia, am the legal owner(s) of the property located at 126 Caraway Lane, Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4627-12-8385-000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas & Assoc. / Bluefield Builders, Inc, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Signature of Owner(s) — Date: 9-14-16

Signature of Witness — Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

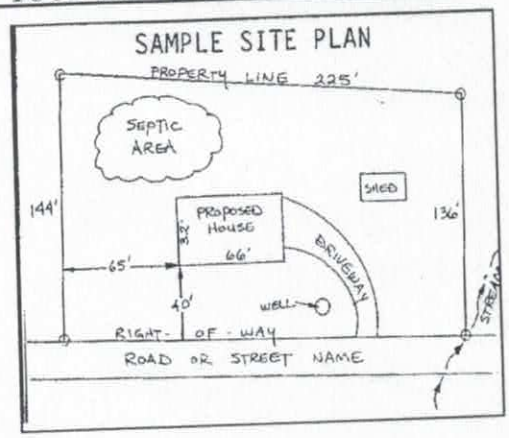
ENVIRONMENTAL HEALTH DIVISION

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
( ) Front and side setbacks from property line
( ) Preferred driveway location and 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

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached Plan

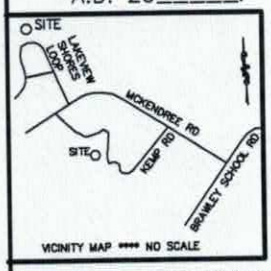
Signature: _____
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

9/16/2016
DATE

DAS DON ALLEN & ASSOCIATES, P. A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2432, page 869, and/or plat book 14, page 83, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 15, day of AUGUST, A.D. 20 16.

WILLIAM M. ALLEN, PLS



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 72°53'59" W	2.35'
L2	N 19°34'00" E	31.69'
L3	N 12°52'00" W	66.10'
L4	N 40°50'00" W	151.18'
L5	N 23°26'00" W	49.69'
L6	N 15°14'00" E	33.11'
L7	N 68°35'00" E	57.83'
L8	N 88°29'00" E	57.87'
L9	N 78°32'00" E	80.00'
L10	N 71°42'00" E	100.72'
L11	S 68°43'00" E	35.23'
L12	S 25°09'00" E	44.41'
L13	S 02°14'00" W	33.02'
L14	S 52°05'37" W	30.95'
L15	S 21°26'00" E	59.67'

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	344.33'	18.08'	N 22°05'43" W	18.08'
C2	50.00'	57.13'	S 46°21'01" W	54.07'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 10/30/12) ELEVATION: 755.80'
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

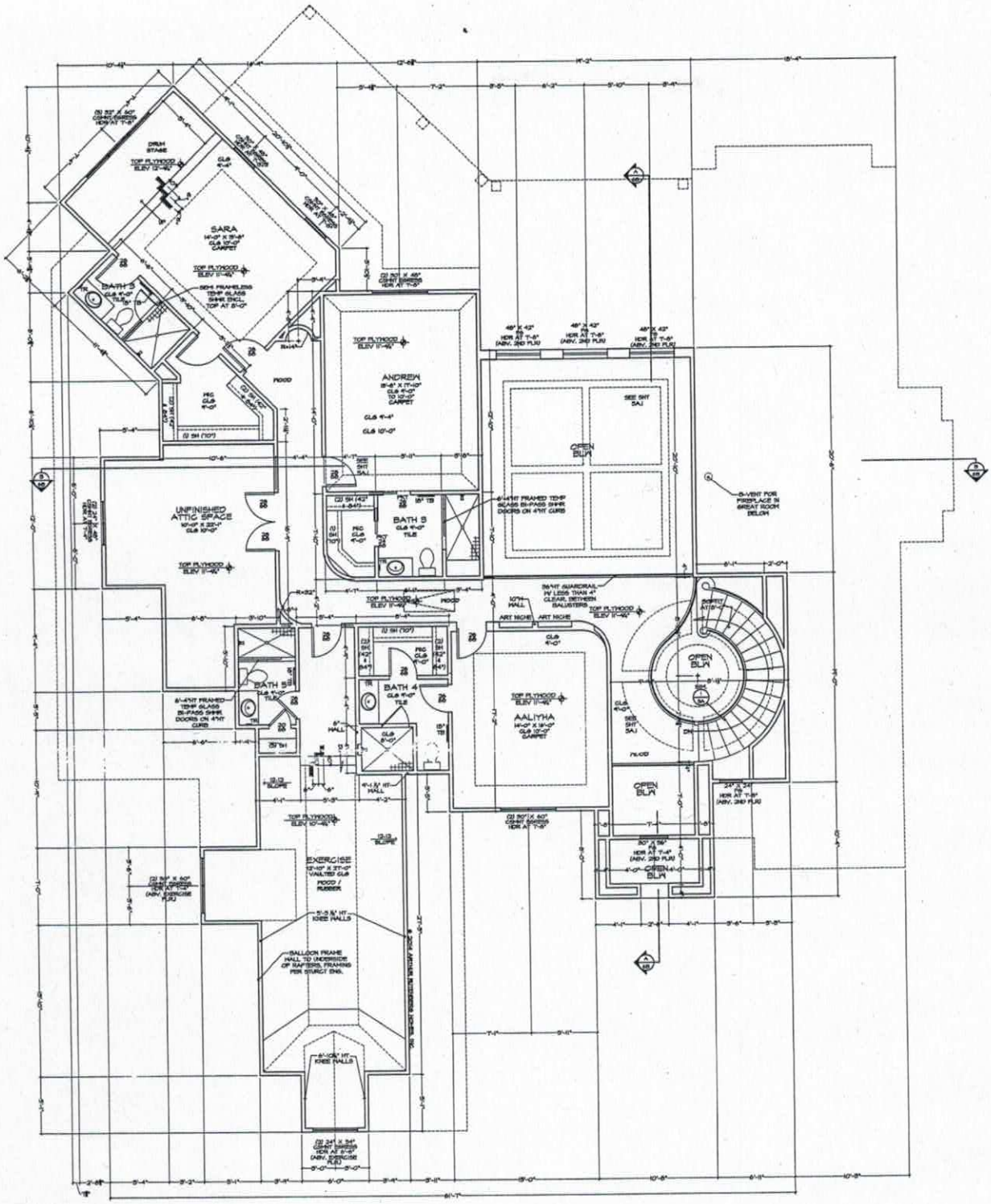
LEGEND
P.P. = POWER POLE
□ = DUKE POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
W = WELL
BH = BORE HOLE

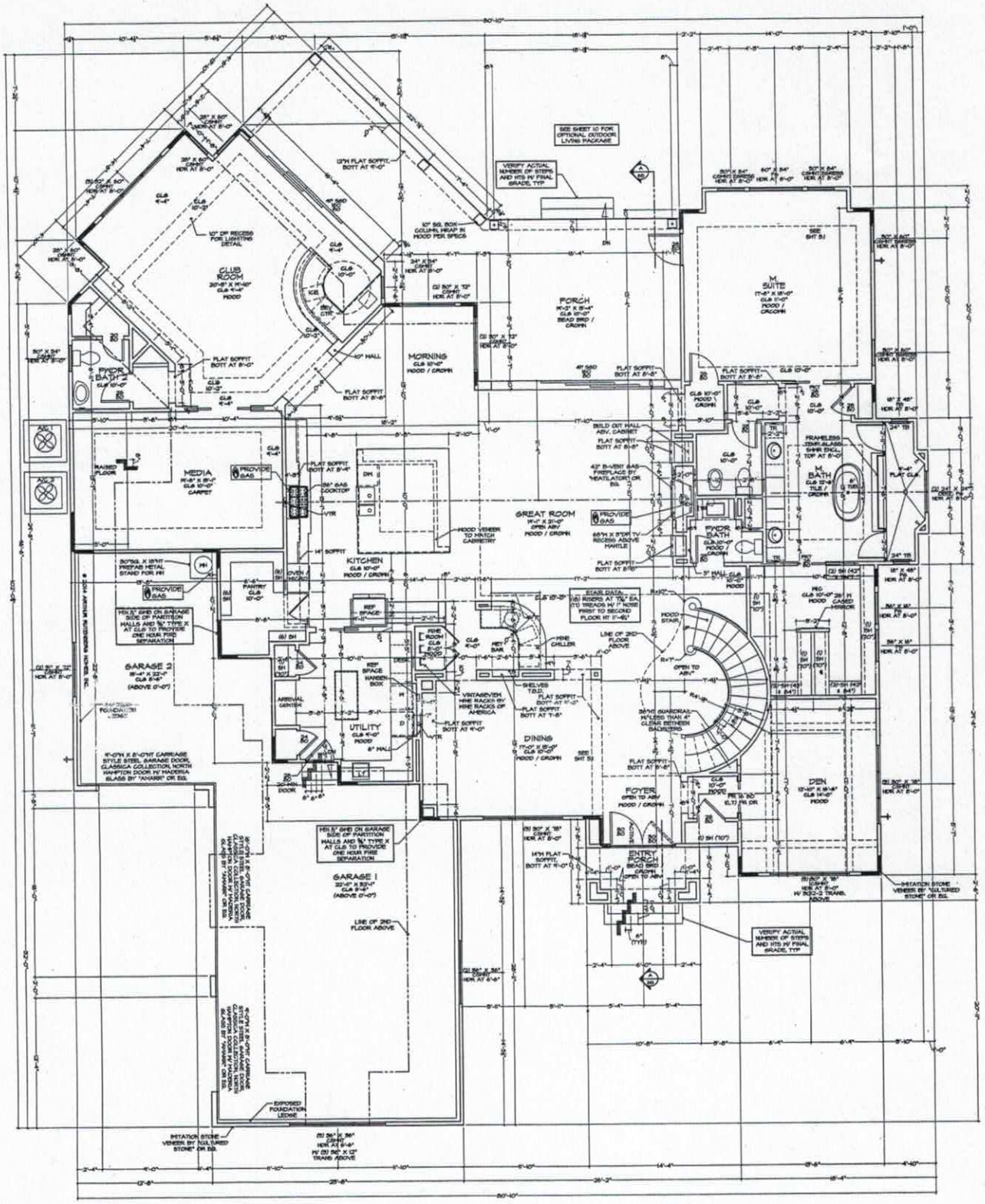
PLOT PLAN SURVEY

OF
126 CARAWAY LANE
LOT 305 CRESCENT LAND & TIMBER CORP., SECT. 8
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 50'
ACQUIRED BY: ANGELA M. GARCIA

FIELD BOOK:
FILE: CLT LOT 305
DC FILE:
TAX MAP NO: 4627128385


SARA
14'-0" X 19'-4"
CLG 10'-0"
CARPET
BATH 3
CLG 9'-0"
TILE
ANDREW
9'-4" X 17'-10"
CLG 9'-0"
TO 10'-0"
CARPET
UNFINISHED
ATTIC SPACE
10'-0" X 22'-1"
CLG 10'-0"
BATH 5
CLG 9'-0"
TILE
BATH 4
CLG 9'-0"
TILE
AALIYHA
14'-0" X 19'-0"
CLG 10'-0"
CARPET
OPEN
BLW
EXERCISE
12'-10" X 21'-0"
VAULTED CLG
WOOD /
RUBBER
BALLOON FRAME
WALL TO UNDERSIDE
OF RAFTERS, FRAMING
PER STRUCT ENG.
TOP PLYWOOD
ELEV 11'-4"
TOP PLYWOOD
ELEV 11'-0"
TOP PLYWOOD
ELEV 10'-4"
TOP PLYWOOD
ELEV 10'-8"
WOOD
CARPET
TILE
RUBBER
ART NICHE
SEE SHT
SAJ
CLG
4'-0"
36"HT GUARDRAIL
W/ LESS THAN 4"
CLEAR, BETWEEN
BALUSTERS
6'-4"HT FRAMED TEMP
GLASS BI-PASS SHWR
DOORS ON 4"HT CURB
BATH 3
CLG 9'-0"
TILE
BATH 5
CLG 9'-0"
TILE
BATH 4
CLG 9'-0"
TILE
6'-4"HT FRAMED
TEMP GLASS
BI-PASS SHWR
DOORS ON 4"HT
CURB
6'-0" HT
KNEE WALLS
6'-10"&" HT
KNEE WALLS
(2) 30" X 60"
CONST SKYLIGHTS
HDR AT 7'-0"
(ABV. EXERCISE
RM)
(2) 24" X 54"
CONST SKYLIGHTS
HDR AT 7'-0"
(ABV. EXERCISE
RM)
(2) 30" X 60"
CONST SKYLIGHTS
HDR AT 7'-0"
(ABV. 2ND FLR)
30" X 56"
SKYLIGHT
HDR AT 7'-0"
(ABV. 2ND FLR)
48" X 42"
HDR AT 7'-0"
(ABV. 2ND FLR)
48" X 42"
HDR AT 7'-0"
(ABV. 2ND FLR)
48" X 42"
HDR AT 7'-0"
(ABV. 2ND FLR)
24" X 24"
FIX
HDR AT 7'-0"
(ABV. 2ND FLR)
(2) SH (10")
(2) SH (14")
(2) SH (10")
(2) SH (10")
(2) SH (14")
(2) SH (10")
(2) SH (10")
(2) SH (10



Acknowledgement of
Plans Submittal ONLY!

Date 9-30-16

Date 10-18-16

WINDOW NOTES:
- ALL WINDOW MAKERS PER WINDOW COMPANY "LISTING" SERIES.

WALLS

GENERAL NOTES:
VERIFY ALL HEIGHTS & DIMENSIONS ON PLAN FOR HEIGHTS.
VERIFY DEPTH AND WIDTH OF FOOTINGS WITH ENGINEERED PLANS TO ACCOMMODATE FOOTINGS AS REQUIRED BY SOIL CONDITIONS.
ALL CONCRETE FOUNDATION WALLS TO BE POURED WITH 10" FINISH FLOOR MATERIALS REQUIRED IN RELATION TO FINISH FLOOR MATERIALS.
ROOF OVERHANG DIMENSIONS SHALL HAVE SMOOTH FINISH.
SEE SHEET 8 FOR SPECIFIC ELEV DTLS.

SQUARE FOOTAGES

HEATED SQUARE FOOTAGE	
MAIN FLOOR	3,000 SQ FT
UPPER FLOOR	0 SQ FT
TOTAL HEATED	3,000 SQ FT
UNHEATED SQUARE FOOTAGE	
PORCHES	1,000 SQ FT
GARAGE	1,000 SQ FT
TOTAL UNHEATED	2,000 SQ FT

TOTAL LIVABLE AREA

TOTAL HEATED	3,000 SQ FT
TOTAL UNHEATED	2,000 SQ FT

5 | 1ST FLOOR PLAN | 24X36: 1/4"=1'-0" (2008: 1/8"=1'-0")

PLAN SWF-3049-D-'97
QTY: 1
16-805-GARCIA - A

CUSTOM RESIDENCE FOR MR & MRS GARCIA
BUILDER: BLUEFIELD BUILDERS, LLC
MOORESVILLE, NORTH CAROLINA
AN INDEPENDENTLY OWNED AND OPERATED FRANCHISE

PLAN DISCLAIMER
ARTHUR RUTENBERG HOMES INC., THE DESIGNERS, IS RESPONSIBLE FOR THE ARCHITECTURAL DESIGN ONLY AS REPRESENTED IN THESE CONSTRUCTION DRAWINGS. IT IS NOT FOR ANY STRUCTURAL INFORMATION INCLUDED OR STATED. THE CONTRACTOR, BUILDER OR A PROFESSIONAL ENGINEER IS TO BE CONTRACTED TO DESIGN FLOOR AND FOUNDATION PLANS, ROOF TRUSSES, BEAMS AND ALL OTHER STRUCTURAL COMPONENTS. THESE PLANS AND CONSTRUCTION MUST COMPLY WITH ALL LOCAL & FEDERAL STATE, AND LOCAL BUILDING CODES, ORDINANCES, AND LAWS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: SEISMIC, FIRE SAFETY, TORNADO, FLOOD ZONE, COASTAL HURRICANE CODES, PRE-ENGINEERED TRUSSES, FRAMING MEMBERS, PLUMBING, AND POSSIBLE PROTECTION BY USE OF THESE DRAWINGS THE OWNER, CONTRACTOR (BUILDER), AND SUBCONTRACTORS ACKNOWLEDGE AND AGREE TO THIS DISCLAIMER.

08/2/16 (A) - A

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