IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 300528

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

PIN # 4715850038

APPLICANT/OWNER: Castlegate LLC APPLICANT ADDRESS: 282 Scotts Creek Drive Statesville NC 28625

SITE ADDRESS: 176 Staffordshire Drive Statesville NC 28625 PHONE: — ALT. PHONE 704 578 4951 Kathleen Saunders

SITE DIRECTIONS: RT 64 / RT 90 @ Absher Farm Loop Rd on Staffordshire property on right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Castlegate SECTION: — LOT # 17 LOT AREA: .46 DESIGN FLOW: 360 L.T.A.R.: 30

Septic Tank 1000 (gal)	STB	Date 5-5-20	☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank (gal)	PT	Date	System Description: 25% Reduction	☐ Business	No. Persons 6	☐ Private
Pump Make	Model	Serial #	Repair System Description: LP - Panel - 50% Reduction	☐ Other	No. Employees	☒ Public
# Nitrification Fields 1	# Lines 5	Linear Ft 300	Maintenance Agreement Required: ☐ YES ☒ NO	☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36	Trench Bottom Depth [redacted]	24 Highside	Gravel Depth — ☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Lot Recorded Bk 70 PG 107. ST - 15ft from house, 5ft from deck post

INITIAL SITE SKETCH

This permit is issued pursuant to SL 2018-114 of Section 11.(c) using the attached design proposal by:

The Oaks Group, PA

Kathleen Saunders LSS # 1313

AS BUILT SKETCH

Installed Quick 4 as Shown

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: Kathleen Saunders Date: 9-10-19 Installed by: Rowan Septic

IMPROVEMENT PERMIT by: Benjamin A Botkin Date: 9/9/2019 OPERATION PERMIT by: Maria Dotson Date: 6/22/2020

AUTHORIZATION TO CONSTRUCT by: Benjamin A Botkin Date: 9/10/19. Existing System Inspected by: Date:

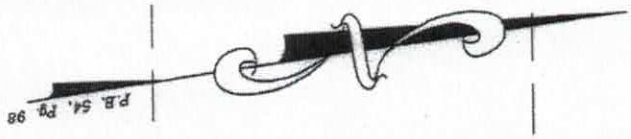
FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.
2) Boundary information based on Map Book: 54 at Page: 98-100 as recorded in the Iredell County Register of Deeds.
3) No N.C.G.S. or U.S.G.S. Monuments could be located within 2000'.
4) Area by coordinate method.
5) This survey is of an existing parcel of land.
6) This redivsions has not been approved by Iredell County. This lot will need to be recorded before it can be sold.

Legend

R/W = Right-of-way
I.P.S. = #4 Rebar Set
B.O.C. = Back of Curb
= Not to scale
= Telephone Pedestal
= Utility Pole
= Cable Pedestal
= Calculated Point



Lot 28 MB 54 PG 99

Lot 29 MB 54 PG 99

Lot 30 MB 54 PG 99

Lot 31 MB 54 PG 99

N8°00'46"E 112.00' Total

12.00

100.00

10' Utility And Storm Drainage Easement

Old Lot Line

Proposed New Line

R 30' Rep

35' Setback

R 33' Rep

0.37' Rep

R 47' Rep

R 53' Rep

Lot 17
22,400 Sq.Ft.
0.51 Acres

15'

20'

20' Setback

15' Setback

20,000 Sq.Ft.

Lot 18 MB 54 PG 99

N81°59'14"W 200.00'

S81°59'14"E 200.00'

Lot 16 MB 54 PG 99

120'

55'

50

This 2,400 Sq.Ft. portion of Lot 18 is to be combined with Lot 17

35' Setback

15'

35'

Drive

10' Utility And Storm Drainage Easement

12.00

100.00

S8°00'46"W 112.00' Total

Staffordshire Drive

50' Public R/W

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 176 Staffordshire Dr

Date: February 26, 2019

Attached is the septic specification information required to permit 176 Staffordshire Dr for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Session Law 14 permitting process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the Iredell with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which these specifications are in accordance with. If the ICHD wishes to change tank locations, distribution devices, etc they may do so at their discretion.

All information and specifications have been prepared in conjunction with ICHD permitting guidelines for the current lot owners to acquire an Improvement Permit and/or Authorization to Construct on this lot. It is ultimately the ICHD's responsibility to verify all specifications, **excluding** soil descriptions, before permitting and/or septic system installation.

The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.(c). The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 11.(c). The LSS Evaluation contains sufficient information to produce design and construction features for an IP/CA, and the LSS contains the proper insurance with the proper coverage.

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1313
STATE OF NORTH CAROLINA

Kathleen Saunders

Lot 17 Castlegate Fast Track - The Oaks Group, PA

Number of Bedrooms	**3**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1000 gallon tank
Max Trench Bottom Depth (High Side)	24"
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	200
Repair Loading Rate	0.3
Repair trench depth	30"

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	LP PPBPS	53
2	Repair	Pink	LP PPBPS	47
3	Repair	Orange	LP PPBPS	37
4	Repair	Blue	LP PPBPS	33
5	Repair	Red	LP PPBPS	30
6	System	Pink	25% Reduction	20 endfed
7	System	Blue	25% Reduction	20 endfed
8	System	Orange	25% Reduction	120 centerfed
9	System	Pink	25% Reduction	120 centerfed
10	System	Red	25% Reduction	20 endfed
				Total System: 300'
				Total Repair: 200'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion

RECEIVED SEP 3 - 2019

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $500.00 # AP- 300528

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (X) Authorization to Construct ( ) Existing System Inspection ( ) 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.

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

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY) Contact Kathleen Saunders 7045784951

Applicant Name: Castlegate LLC Address: 282 Scotts Creek Dr. Statesville Zip: 28625
Applicant Email: _____ Phone: _____ Alt. Phone: _____
Owner Name: Same Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 176 Staffordshire Dr Statesville NC
Subdivision Name: Castlegate Section/Phase: _____ Lot Number: 12
Driving Directions: Rt. 64 Rt. 90 L Absner farm Loop left. Staffordshire property is on Rt.

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE

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

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well ( ) Existing Well ( ) Community Well (X) 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 (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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: Omagrum/Kathleen Saunders 8/30/19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

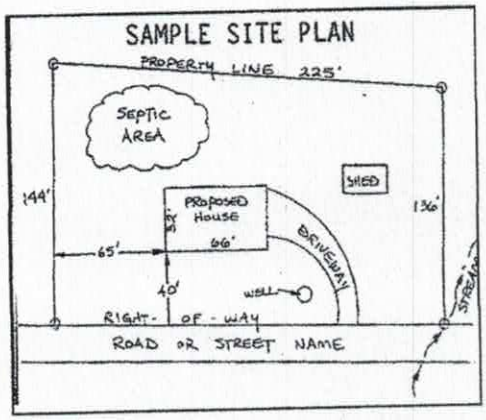
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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
- (✓) Preferred well location
- (✓) Preferred septic system location
- (✓) 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

Please see attached

Signature: J Mangum / Kathleen Saunders 8/30/19

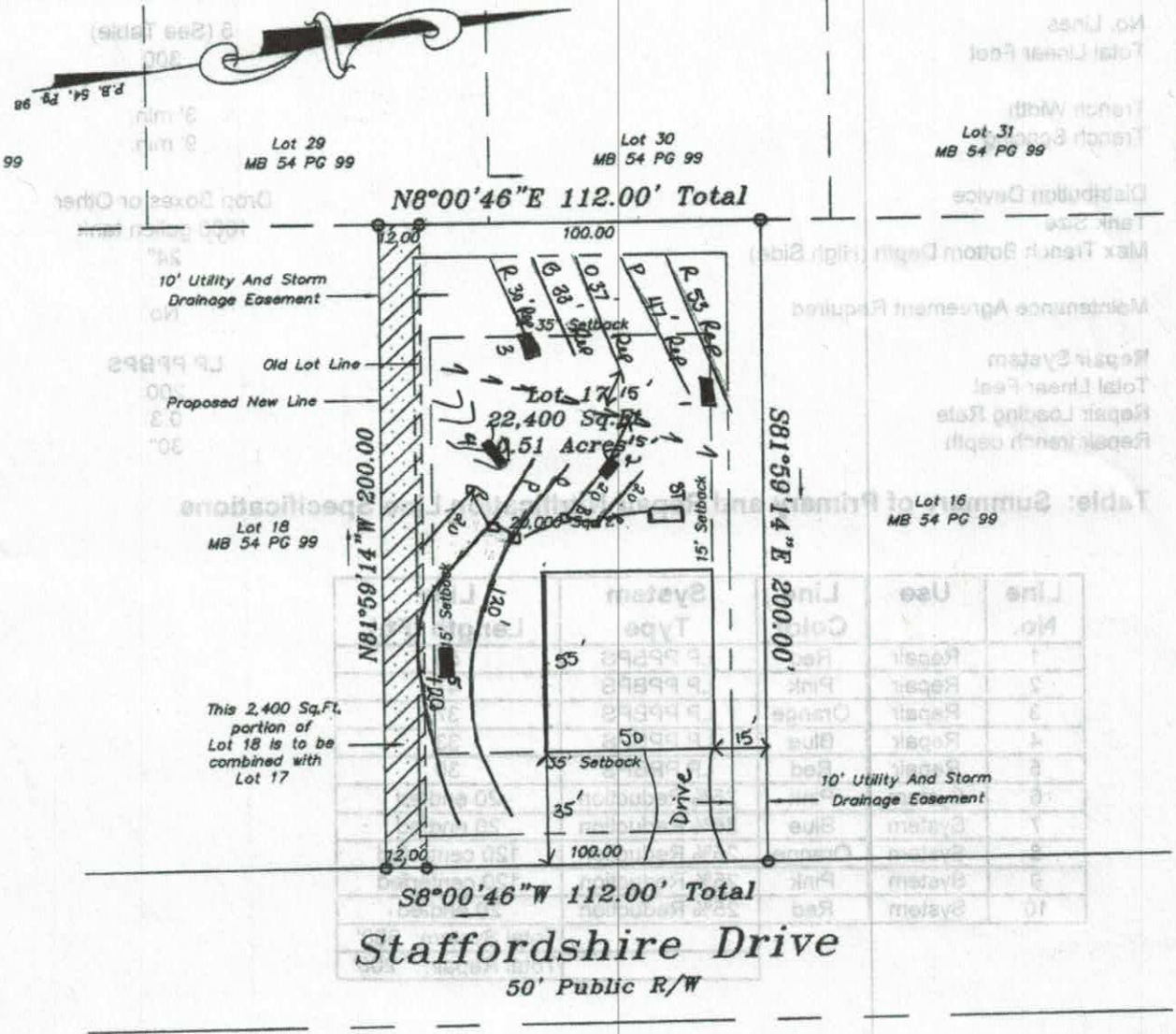
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Legend

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I.P.S. = #4 Rebar Set
B.O.C. = Back of Curb
= Not to scale
= Telephone Pedestal
= Utility Pole
= Cable Pedestal
= Calculated Point



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

The LSS evaluation attached is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).

Sheet ___ of ___
PERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for **ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Castlegate LLC
ADDRESS: 7271 Long Island Rd
PROPOSED FACILITY: SFR
LOCATION OF SITE: Lot 17
APPLICATION DATE
DATE EVALUATED: 10-24-18
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE:
PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	L 5-10%	0-28	Mo SBK C	FR SS/SP	R	40"	PS	N/A	0.3
		28-40	WK SBK CL	↓	R; C sap				
		40-52	MA L sap	↓	Multi				
2	L 5-10%	0-30	Mo SBK C	FR SS/SP	R	51"	PS	N/A	0.3
		30-51	WK SBK CL	↓	R; C sap				
		51-60	MA L sap	↓	yel Br				
3	L 5-10%	0-60	Mo SBK C	FR SS/SP	R, F sap	60+	N/A	N/A	0.3
				Rock vein outside septic area					
4	L 5-10%	0-28	Mo SBK C	FR SS/SP	R	39"	PS	N/A	0.3
		28-39	WK SBK CL	↓	R; C/M sap				
		39-51	MA L sap	Fi SS/SP	multi				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III g	LPPPBS
Site LTAR	0.3	0.3

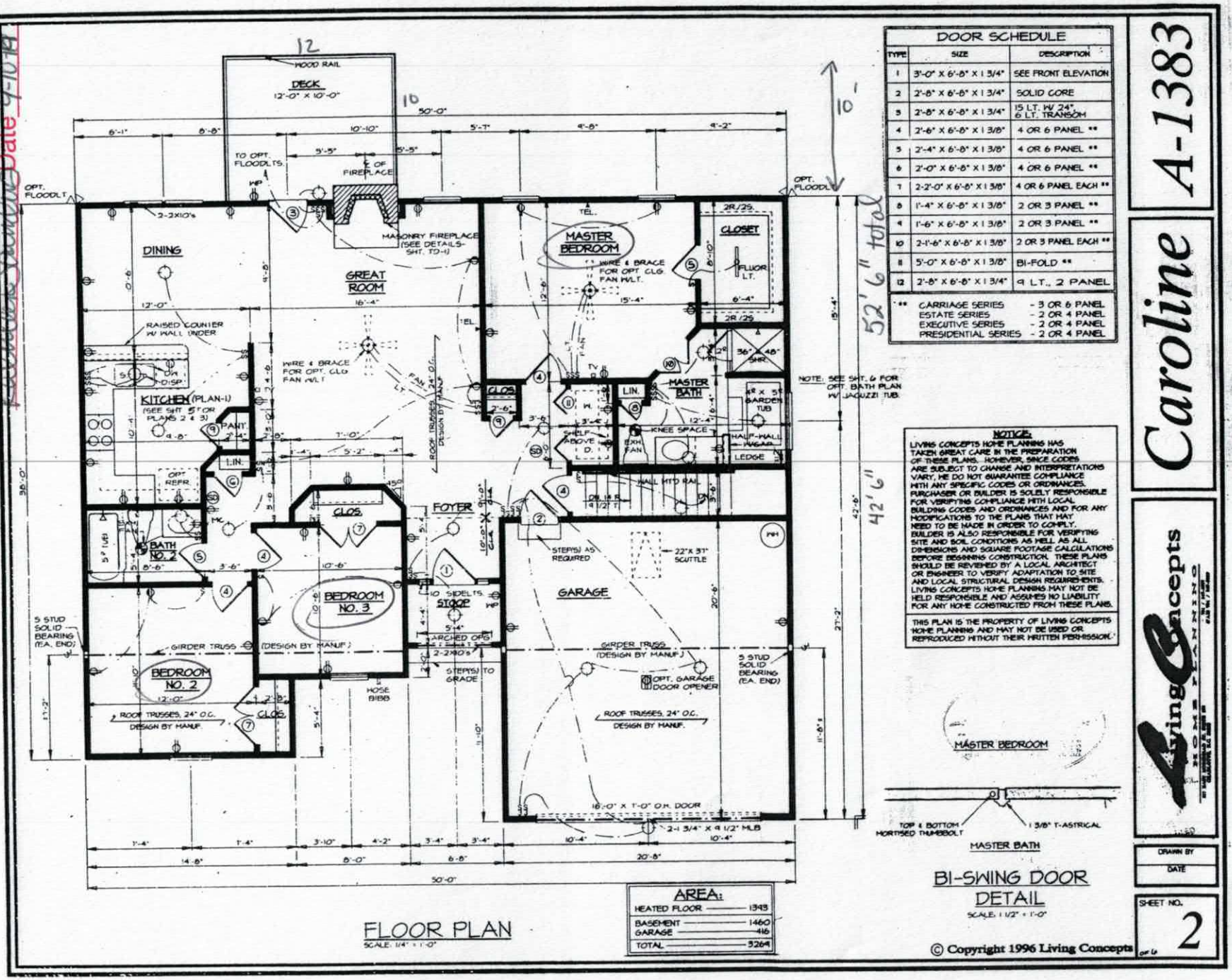
OTHER FACTORS (.1946): 24
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT:

KATHLEEN M. SAUNDERS — LICENSED SOIL SCIENTIST — THE GREAT SEAL OF THE STATE OF NORTH CAROLINA — 1313 — STATE OF NORTH CAROLINA

COMMENTS:
#5 0-14 Mo SBK C FR SS/SP
14-46 WK SBK CL ↓ 0.3
46-55 MA L sap

Kathleen Saunders

Acknowledgement Of
Plans Submittal ONLY!
Builder Signature Date 9/9/19.
Engineer Signature Date 9-10-19



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

DOOR SCHEDULE		
TYPE	SIZE	DESCRIPTION
1	3'-0" X 6'-8" X 1 3/4"	SEE FRONT ELEVATION
2	2'-8" X 6'-8" X 1 3/4"	SOLID CORE
3	2'-8" X 6'-8" X 1 3/4"	15 LT. W 24" 6 LT. TRANSOM
4	2'-6" X 6'-8" X 1 3/8"	4 OR 6 PANEL **
5	2'-4" X 6'-8" X 1 3/8"	4 OR 6 PANEL **
6	2'-0" X 6'-8" X 1 3/8"	4 OR 6 PANEL **
7	2-2'-0" X 6'-8" X 1 3/8"	4 OR 6 PANEL EACH **
8	1'-4" X 6'-8" X 1 3/8"	2 OR 3 PANEL **
9	1'-6" X 6'-8" X 1 3/8"	2 OR 3 PANEL **
10	2-1'-6" X 6'-8" X 1 3/8"	2 OR 3 PANEL EACH **
11	5'-0" X 6'-8" X 1 3/8"	BI-FOLD **
12	2'-8" X 6'-8" X 1 3/4"	9 LT., 2 PANEL

** CARRIAGE SERIES - 3 OR 6 PANEL
ESTATE SERIES - 2 OR 4 PANEL
EXECUTIVE SERIES - 2 OR 4 PANEL
PRESIDENTIAL SERIES - 2 OR 4 PANEL

AREA:	
HEATED FLOOR	1343
BASEMENT	1460
GARAGE	416
TOTAL	3264

NOTICE:
LIVING CONCEPTS HOME PLANNING HAS TAKEN GREAT CARE IN THE PREPARATION OF THESE PLANS. HOWEVER, SINCE CODES ARE SUBJECT TO CHANGE AND INTERPRETATIONS VARY, WE DO NOT GUARANTEE COMPLIANCE WITH ANY SPECIFIC CODES OR ORDINANCES. PURCHASER OR BUILDER IS SOLELY RESPONSIBLE FOR VERIFYING COMPLIANCE WITH LOCAL BUILDING CODES AND ORDINANCES AND FOR ANY MODIFICATIONS TO THE PLANS THAT MAY NEED TO BE MADE IN ORDER TO COMPLY. BUILDER IS ALSO RESPONSIBLE FOR VERIFYING SITE AND SOIL CONDITIONS AS WELL AS ALL DIMENSIONS AND SQUARE FOOTAGE CALCULATIONS BEFORE BEGINNING CONSTRUCTION. THESE PLANS SHOULD BE REVIEWED BY A LOCAL ARCHITECT OR ENGINEER TO VERIFY ADAPTATION TO SITE AND LOCAL STRUCTURAL DESIGN REQUIREMENTS. LIVING CONCEPTS HOME PLANNING MAY NOT BE HELD RESPONSIBLE AND ASSUMES NO LIABILITY FOR ANY HOME CONSTRUCTED FROM THESE PLANS.

THIS PLAN IS THE PROPERTY OF LIVING CONCEPTS HOME PLANNING AND MAY NOT BE USED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

BI-SWING DOOR DETAIL
SCALE: 1 1/2" = 1'-0"

© Copyright 1996 Living Concepts

Caroline

A-1383

Living Concepts HOME PLANNING

DRAWN BY
DATE

SHEET NO. 2 OF 6

AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Ray Short, am the legal owner of the property located at 1716 Staffordshire Dr Statesville identified as PIN(Parcel Identification Number) 4715850037.000, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The OAKS Group, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

Signature of Owner — Date: 4-10-18

Signature of Witness — Date

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
300528 Issue Date: 09/03/2019

Permit Type: ZONING RESIDENTIAL

Parcel Number	Street Address	Jurisdiction
4715850038.000	176 STAFFORDSHIRE DR	IREDELL COUNTY

Owner Information	Applicant Information
Name: ST1 LLC	Name: THE OAKS GROUP
Address: PO BOX 3792	Address: 121 HOLT LN
MOORESVILLE, NC 28117	MOORESVILLE, NC 28117
Phone:	Phone: (704)578-4951

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.51	35	35	15	15	N/A	NO

Remarks

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

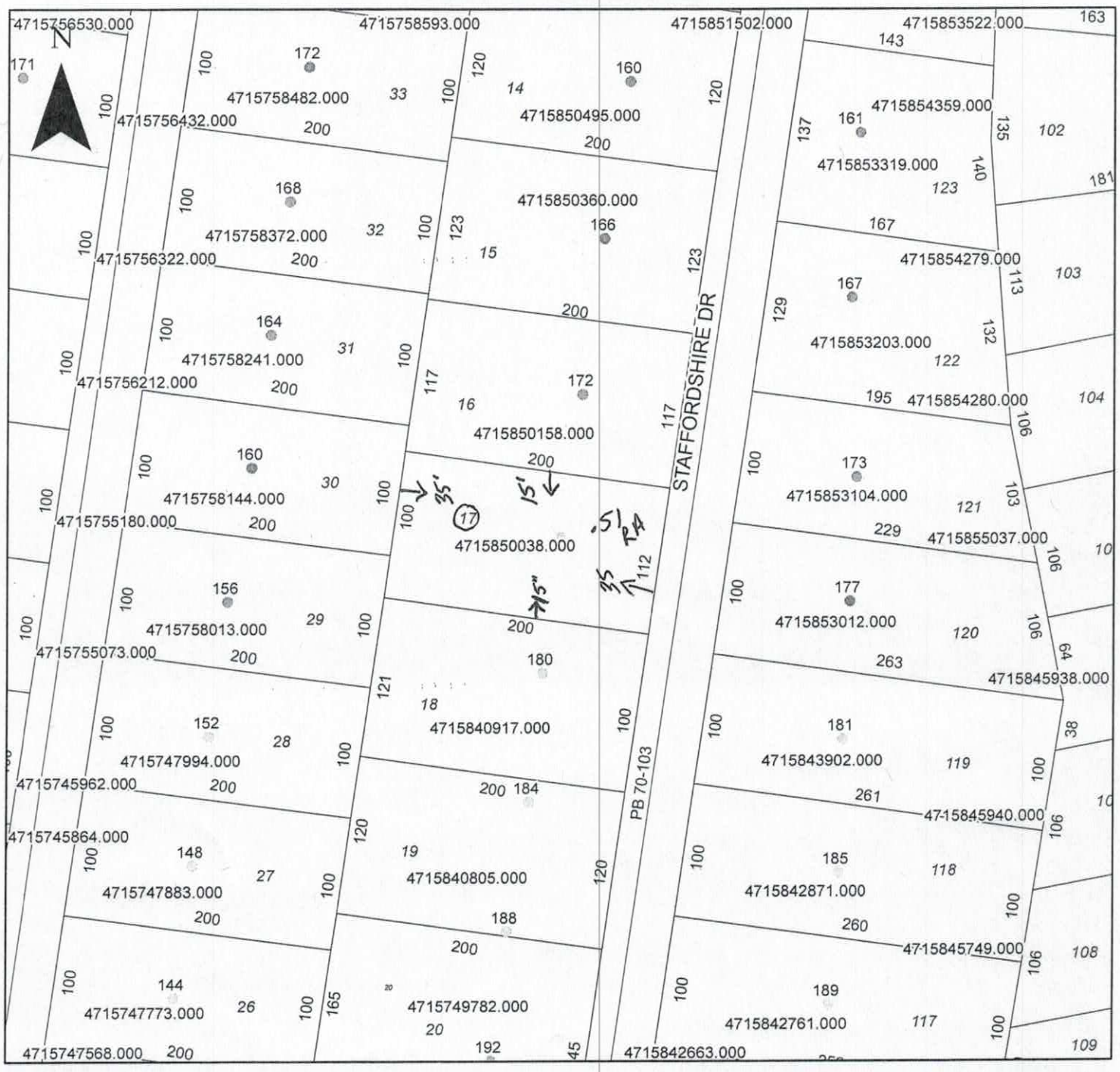
Date: 09/03/2019

Signature of Owner/Contractor

Permit Number	000144	TOTAL FEES:	$77.25

300528

ZONING DISCLAIMER



Property Address 176 Staffordshire Dr.

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

RA

Kathleen Saunders

Applicant

9-3-19

Date