ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 310945

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

PIN # 4740 -62 -5212

APPLICANT/OWNER: ELG Inv. | APPLICANT ADDRESS: 16108 N. Point Rd 28078.

SITE ADDRESS: 105 Jayhawk CT Troutman NC 28166. | PHONE: | ALT. PHONE

SITE DIRECTIONS: Flowerhouse Loop Hawks Landing on Corner w/ Jayhawk. | SAP CONTROLLED: [ ] YES [X] NO

SUBDIVISION: Hawks Landing | SECTION: - | LOT # 22 | LOT AREA: .502 AC | DESIGN FLOW: 480 | L.T.A.R.: .3

Septic Tank 1000 (gal) STB 10/2 Date 3-20-21
Pump Tank 1000 (gal) PT 11 Date 12-27-20
Pump Make Zoeller Model N1634 Serial #
Nitrification Fields 1 # Lines 4 Linear Ft 400
Trench Width 36 Trench Bottom Depth(Low side) 36 Gravel Depth

[X] New System [ ] Repair [ ] Expansion System Type: I II (III) IV V VI
System Description: 25% Reduction PM
Repair System Description: LP-PPBPS
Maintenance Agreement Required: [ ] YES [X] NO [ ] GRAVITY [X] PRESSURE

[X] Residence No. Bedrooms 4
[ ] Business No. Persons 8
[ ] Other No. Employees
[ ] Slab [X] Crawl Space
[ ] Basement w/plumbing [ ] Basement w/o plumbing

Water Supply: [X] Private [ ] Public [ ] Community

Comments / Conditions: * Purpose of this permit is for A/C + Tank installation
For notes see previous permit issuance 2-12-13 *

ST - 5ft to house 8/19/21
Tanks > 5 aft to well
Yellow filter, Set 2ft pressure head

AS BUILT SKETCH

INITIAL SITE SKETCH

	Date	Initials
Drain Lines Checked	11/14/15	SL
Tanks Checked	8/19/21	MD
Pressure Manifold or Valve Box Checked	11/14/15	SL
Pressure Head Set	8/19/21	MD
Electrical Checked	9/22/21	DW
Floats Set	8/19/21	MD
Alarm Checked	8/9/17/21	DW
Maintenance Contract Y (N)		

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

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**

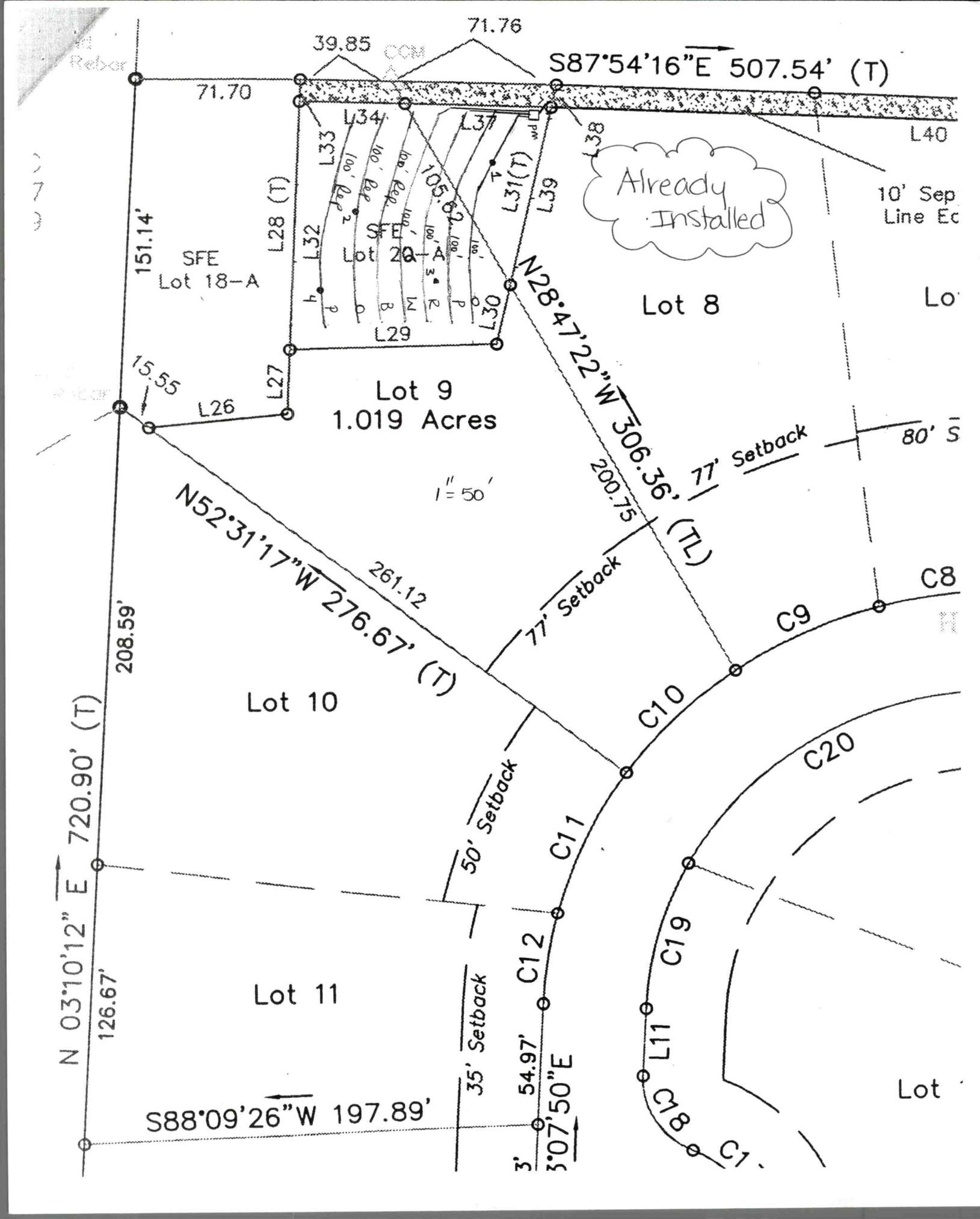
[ ] **IMPROVEMENT PERMIT** *with plat valid without expiration.* [X] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

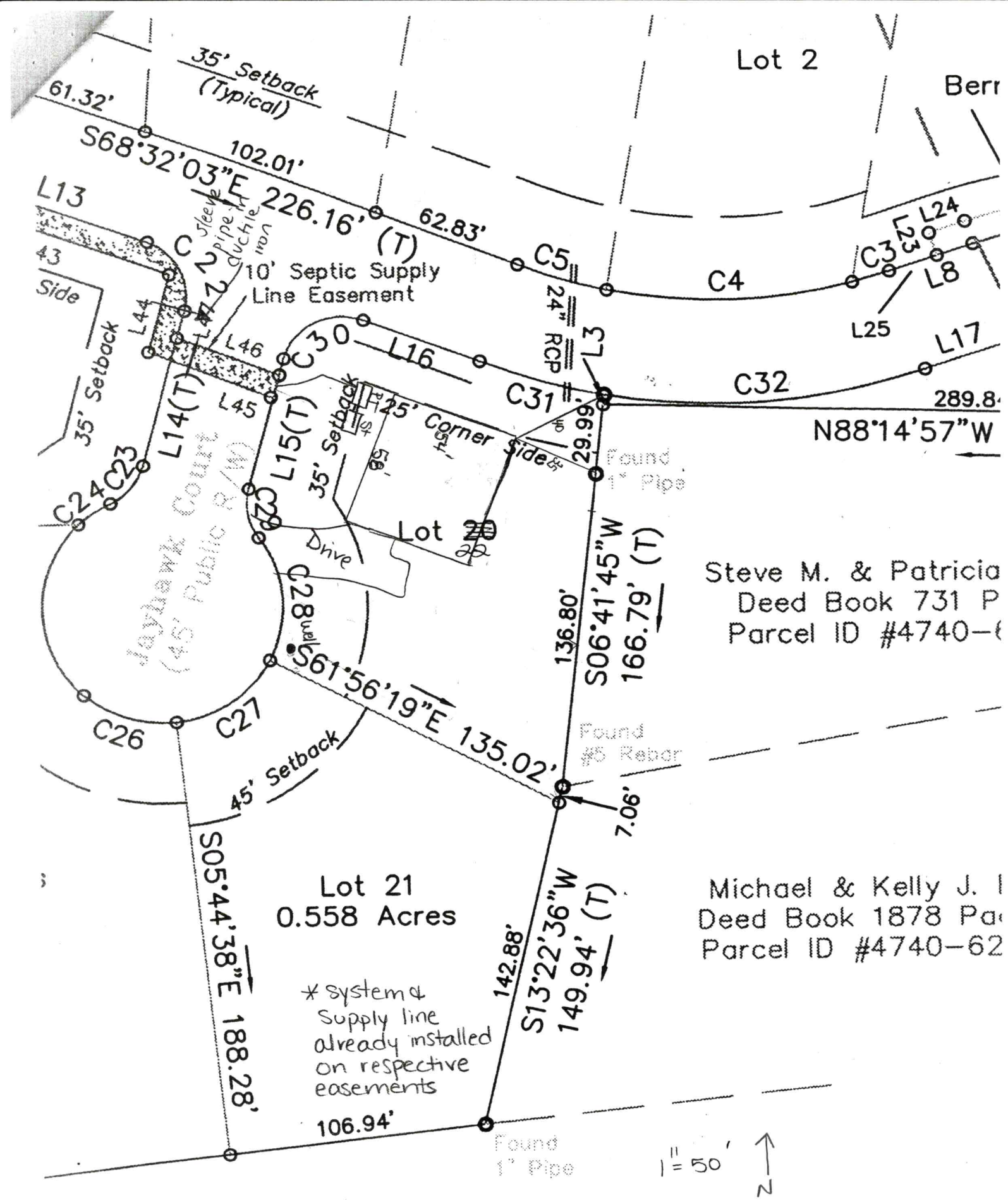
Owner / Applicant Signature: | Date: 12/29/20 | Installed by: Dellinger Grading

IMPROVEMENT PERMIT by: Brianna A Bell | Date: 12-21-2020 | OPERATION PERMIT by: D. Meberg | Date: 9/22/21

AUTHORIZATION TO CONSTRUCT by: Brianna A Bell | Date: 12-21-2020 | Existing System Inspected by: | Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.


71.76
39.85
S87°54'16"E 507.54' (T)
71.70
L34
L33
L37
L38
L40
L31(T)
L39
Already Installed
10' Sep
Line Ec
151.14'
SFE
Lot 18-A
L28 (T)
L32
SFE
Lot 20-A
105.62'
L30
L29
N28°47'22"W 306.36' (TL)
Lot 8
Lo
15.55
L26
L27
Lot 9
1.019 Acres
1" = 50'
77' Setback
80' S
200.75'
N52°31'17"W 276.67' (T)
261.12
77' Setback
C8
C9
208.59'
Lot 10
C10
C20
50' Setback
C11
N 03°10'12" E 720.90' (T)
126.67'
C12
C19
Lot 11
35' Setback
54.97'
L11
S88°09'26"W 197.89'
3°07'50"E
C18
C1
Lot


Lot 2
35' Setback (Typical)
61.32'
S68°32'03"E 226.16' (T)
102.01'
62.83'
L13
C22
Sleeve for 6" ductile iron pipe
10' Septic Supply Line Easement
C5
C4
C3
L24
L23
L8
L25
L17
43
Side
35' Setback
L44
L46
L45
C30
L16
24" RCP
L3
C31
C32
289.8
N88°14'57"W
L14(T)
L15(T)
25' Corner Side
29.99'
Found 1" Pipe
C24
C23
C29
35' Setback
55'
Lot 28
Drive
Jayhawk Court (45' Public R/W)
C28
S61°56'19"E 135.02'
136.80'
S06°41'45"W 166.79' (T)
Steve M. & Patricia
Deed Book 731 P
Parcel ID #4740-(
C26
C27
45' Setback
Found #5 Rebar
7.06'
Lot 21
0.558 Acres
S05°44'38"E 188.28'
142.88'
S13°22'36"W 149.94' (T)
Michael & Kelly J. I
Deed Book 1878 Pa
Parcel ID #4740-62
* system & supply line already installed on respective easements
106.94'
Found 1" Pipe
1" = 50'
N

Lot 22/22-A Hawks Landing Subdivision Fast Track

Number of Bedrooms	**4**
Basement or Crawl	**Crawls Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Trench Bottom Depth (low side)	36"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	905' of 2" SCH 40 PVC
Flow Rate through the system	22 gpm
Elevation head	Approx. 27'
Pressure head	2.0'
Friction head	10.4'
20% Contingency	7.9'
Total Head	47.3'
Pump Requirements	22 gpm @ 47.3' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx.10.9 min.
Repair System	**LP PPBPS**
Total Linear Feet	300'
Repair Loading Rate	0.3

SCH. 40 TAPS

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	System	Orange	25% Reduction	100 endfed	936.0
2	System	Pink	25% Reduction	100 endfed	
3	System	Red	25% Reduction	100 endfed	
4	System	White	25% Reduction	100 endfed	
5	Repair	Blue	LP PPBPS	100	
6	Repair	Orange	LP PPBPS	100	
7	Repair	Pink	LP PPBPS	100	
				Total System: 400'	
				Total Repair: 300'	

Tank	Red	1000 gal (2 compartment)	936.0
Pump Tank	Red	1000 gal.	936.0
House			

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: **Highest point along supply line route has an approximate elevation of 955'**
Elevations taken from topography maps on Iredell County GIS website
True elevations should be measured at installation to size pump
Sleeve supply line in ductile iron anywhere it comes within 50 feet of a well, as when crossing Lot 18

Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 11/29/12

Owner or Client: ELG Investments
Proposed Facility: House (SFE) Design Flow: 480 Property Size:
Location of Site: Lot 20A
Soil Described By: KMS Others Present: DB Site LTAR: Int. 0.3 Rep. 0.3
Antecedent Moisture: Dry Weather: 40°F Site Classification:

Water Supply: [ ] Public [ ] Community [X] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure/ Texture	SOIL MORPHOLOGY: Consistence Mineralogy	PROFILE FACTORS: Inclusions	Matrix Color	Mottles	Profile Notes (Restr Hortz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
1 ok	L Pit	0-7	WK GR SL	FR ns/np		Lt Br		Gravelly	0.3
		7-34	Mo SBK C	FR ss/sp		Red		F Quartz	
		34-56	WK SBK CL	FR ss/sp	F/C sap	Red			
9- 2	L 7%	0-3	Mo GR SL	FR ns/np		Br			0.35
		3-27	Mo SBK CL	FR ss/sp	F sap	Red			
		27-48	WK SBK CL	FR ss/sp	C sap	Red			
3	L Pit	0-5	WK GR SL	FR ns/np		Lt Br		Gravelly	0.3
		5-36	Mo SBK C	FR ss/sp		Red			
		36-51	WK SBK CL	FR ss/sp	F sap	Red			
ok 4	L Pit	0-5	Mo GR SL	FR ns/np		Lt Br		F Gravel	0.3
		5-34	Mo SBK C	FR ss/sp		Red			
		34-48	WK SBK CL	FR ss/sp	F sap	Red		F Quartz	
5									
6									

COMMENTS:

Approved ICHD
2-12-13

RECEIVED SEP 1 7 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP- 310945 Paid $500.00

Application For: (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Place an (X) beside whichever is submitted if applicable

Applicant Information: (PRINT CLEARLY)

Applicant Name: ELG Inv. Address: 16108 N. Point Rd Zip: 28078
Applicant Email: _____ Phone: _____ Alt. Phone: _____
Owner Name: Same Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: 704-578-4951 (Lss)

Property Information:

Street Address: 105 Jayhawk Ct
Subdivision Name: Hawks Landing Section/Phase: _____ Lot Number: 22
Driving Directions: Flowerhouse Loop, Hawks Landing, on Corner w/ Jayhawk

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: _____
Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

CHECK FOUNDATION TYPE

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

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____
(X) 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 (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: Kathleen Saunders 7-12-2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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, 4G Design Build/ELG Inv, am the legal owner of the property located at 105 Jayhawk Ct., identified as PIN(Parcel Identification Number) _____, located in Iredell County, North Carolina.

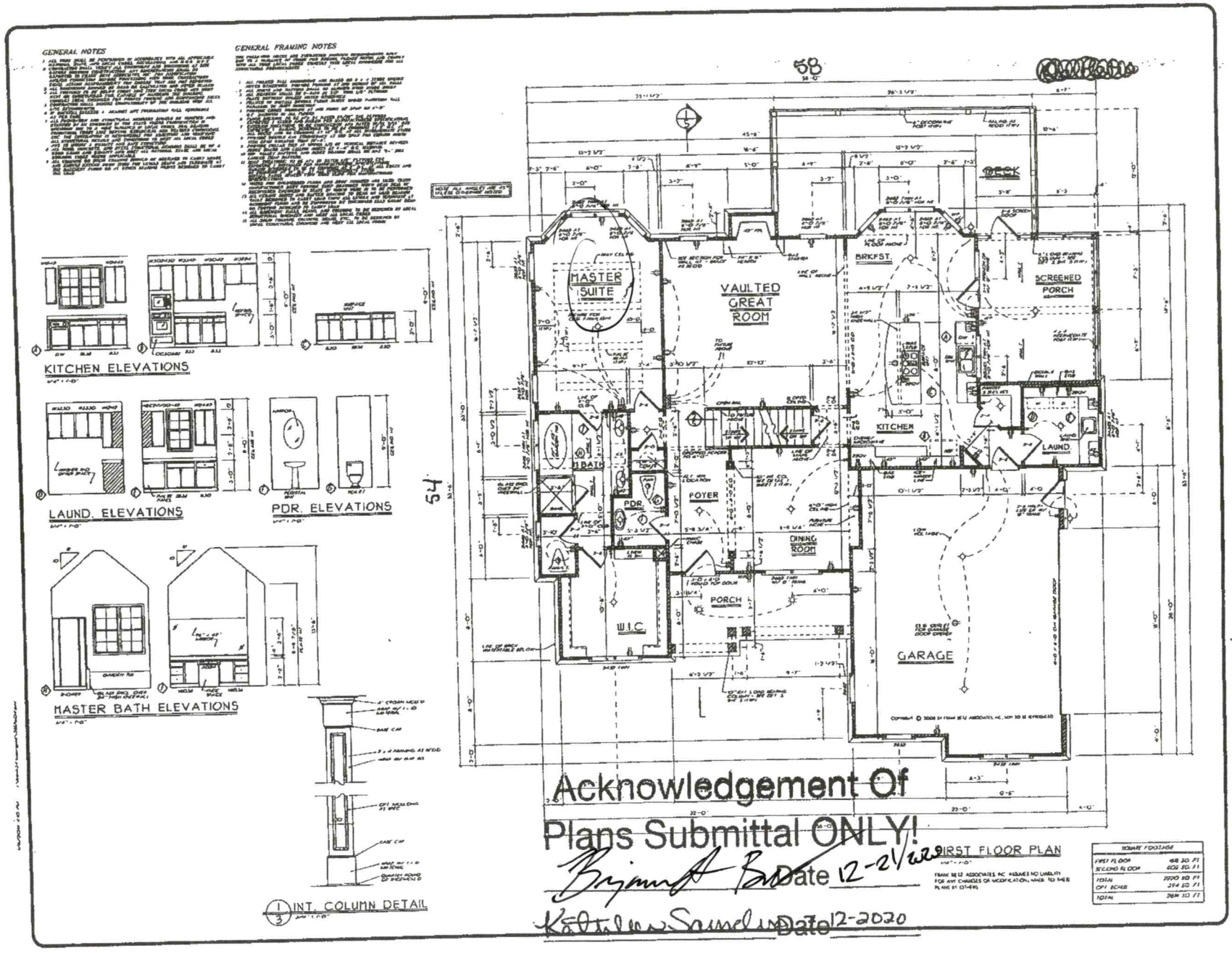
I do hereby authorize (print authorized agent/company name) The Oaks Group _____, _____, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

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.

_____ 7-12-2020
Signature of Owner Date

_____ _____
Signature of Witness Date



REVISIONS | DATE | BY

HOMEPLANS
Designed for Today's Market
www.frankbetz.com

FIRST FLOOR PLAN
KITCHEN & BATH ELEVATIONS

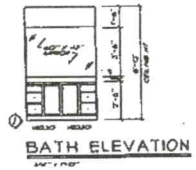
THE SPRINGMILL

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3350 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-431-0886 888-777-2003

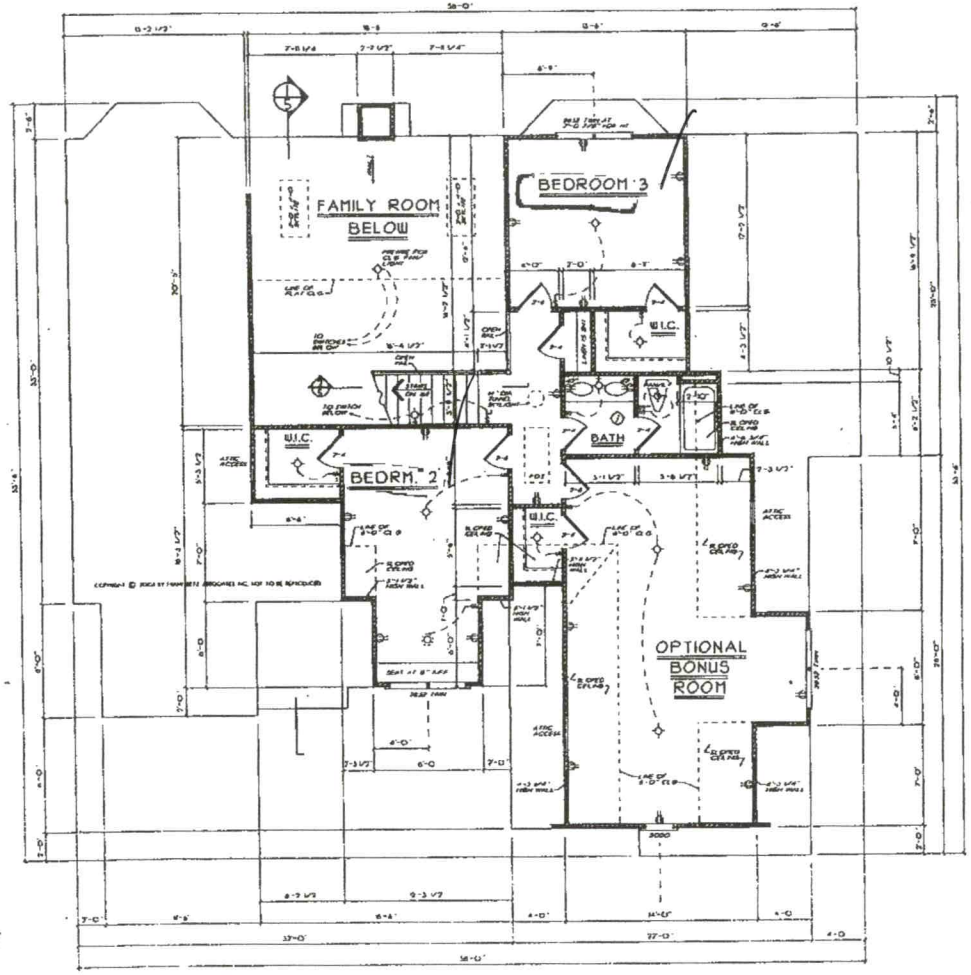
BY AG CK MB

DATE 4/16/04

SHEET 3 of 5



BATH ELEVATION



SECOND FLOOR PLAN

Acknowledgement Of
Plans Submittal ONLY!

Date 12-2020

Date 12-2020

HOMEPLANS
Designed for Today's Market
www.frankbetz.com

SECOND FLOOR PLAN
KITCHEN & BATH ELEVATIONS

THE SPRINGMILL

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3350 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-421-0088 800-717-3003

SHEET 4 OF 5

IREDELL COUNTY · NC

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

APPLICATION NUMBER
310945 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4740625212.000	105 JAYHAWK CT	

Owner Information	Applicant Information
Name: ELG INVESTMENTS LLC	Name: THE OAKS GROUP
Address: 16304 BARCICA LN	Address: 121 HOLT LN
CORNELIUS, NC 28031	MOORESVILLE, NC 28117
Phone:	Phone: (704)578-4951

Use Requested	Zone Code

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0	0	0	0	0		

Remarks
SFD

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: 09/15/2020

Signature of Owner/Contractor

Permit Number	310945	TOTAL FEES:	$77.25