ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 319556

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

PIN # 4778 --78 --1982

APPLICANT/OWNER: WJH LLC APPLICANT ADDRESS: 9325 Center Lake Drive Ste 160 Charlotte NC 28216

SITE ADDRESS: 117 Zach Drive Harmony NC 28634 PHONE: 704-488-1100 ALT. PHONE —

SITE DIRECTIONS: I-40 to exit 154 @ on old Mocksville @ Mt. Bethel @ into Rock Gate SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Rock Gate Estates SECTION: 2 LOT # 11 LOT AREA: .618 AC DESIGN FLOW: 360 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	160	Date	4-20-22	☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI	☑ Residence	No. Bedrooms	3
Pump Tank	(gal)	PT		Date		System Description: Gravity - 25% Reduction	☐ Business	No. Persons	6
Pump Make		Model		Serial #		Repair System Description: 25% Reduction	☐ Other	No. Employees	
# Nitrification Fields	1	# Lines	3	Linear Ft.	300	Maintenance Agreement Required: ☐ YES ☒ NO	☑ Slab	☐ Crawl Space	
Trench Width	36	Trench Bottom Depth (~~Consider~~)	25 in max	Gravel Depth	—	☑ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Water Supply: ☐ Private ☑ Public ☐ Community

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Thompson Environmental Consulting Inc

LSS # 1287 Dated June 26, 2021.

AS BUILT SKETCH

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.

Installed as drawn

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**

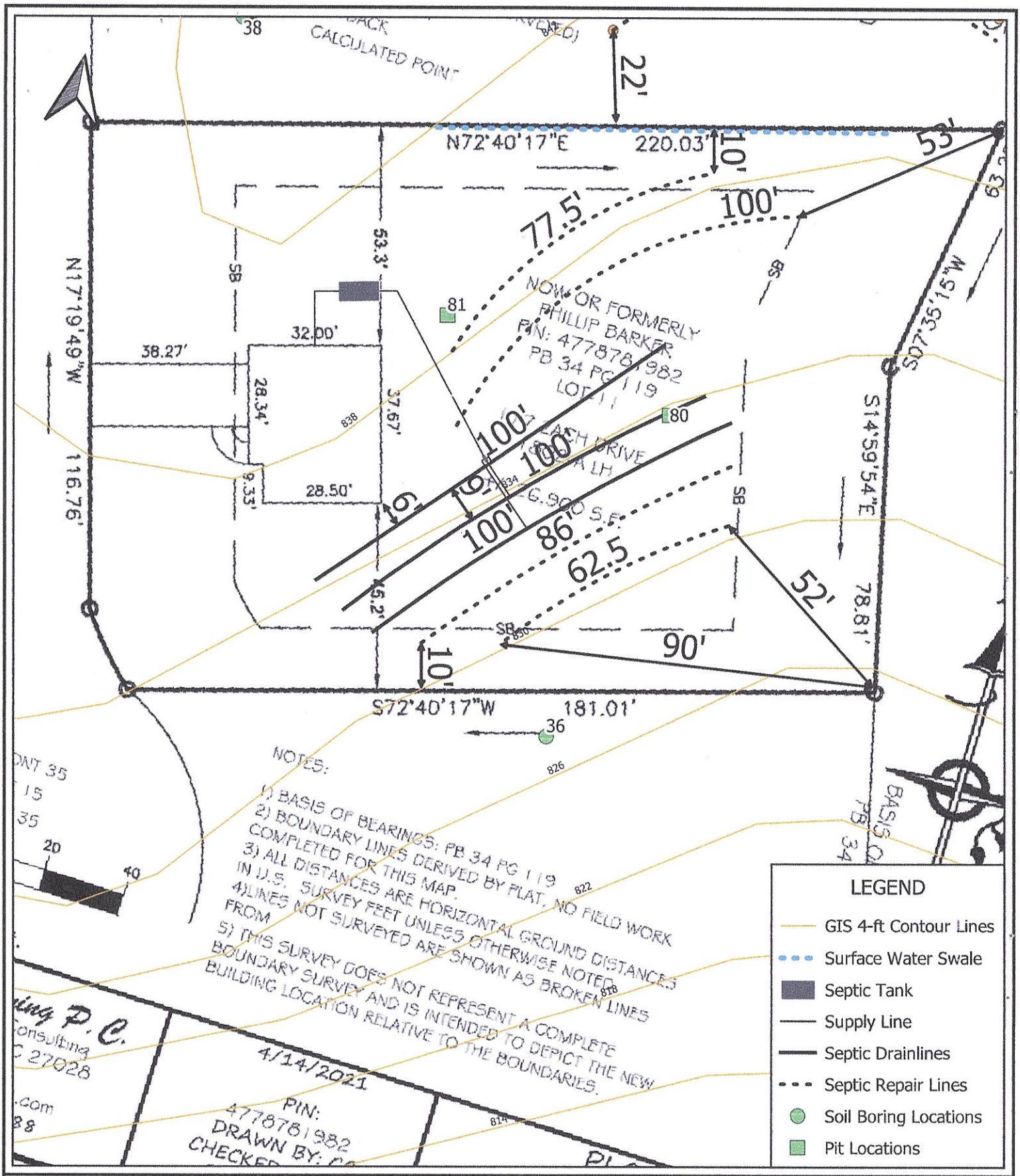
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☑ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 8-4-21 Installed by: Maiden Grading

IMPROVEMENT PERMIT by: Date: 7/26/2021. OPERATION PERMIT by: Date: 6/23/22

AUTHORIZATION TO CONSTRUCT by: Date: 8/4/2021 Existing System Inspected by: Date:

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



Thompson Environmental Consulting
WATER · WASTEWATER · WETLANDS

Prepared For:
Century Complete

Proposed Septic Layout

Lot 11 - Rock Gate Estates
117 Zach Drive
Harmony, NC 28634
Iredell County

Date: June 2021
Scale: 0 15 30 ft
TEC Job #: 21-167

Figure 1

Residential Subsurface Wastewater Treatment and Disposal System Proposal

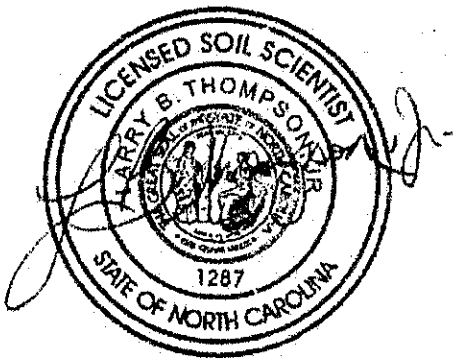
for

Lot 11 – Rock Gate Estates
117 Zach Drive
Harmony, NC 28634

Tax Parcel # 4778781982.000
June 26, 2021

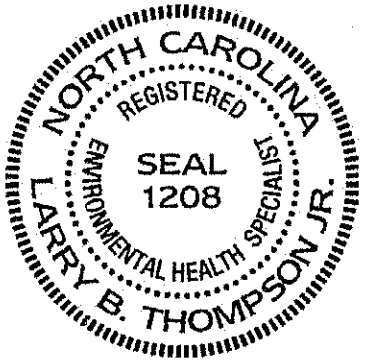
Prepared for:

Glenn Bird
Century Complete
9325 Center Lake Dr., Suite 160
Charlotte, NC 28216
1-833-791-0192



Prepared by:

Larry Thompson, REHS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704-301-4881
info@thompsonenv.com



Details

Century Complete has contracted with Thompson Environmental Consulting, Inc. (TEC) to prepare a septic proposal for a 3-bedroom single family residence to be located on Lot 11, Rock Gate Estates, Harmony, North Carolina.

Based upon an investigation performed by TEC, it was determined that a sufficient amount of "Suitable" Group IV soils are available for the installation of a **Gravity Flow Accepted System** for a 3-bedroom residence (the proposed repair system will be a Gravity Flow Accepted System as well). The property will be served by a municipal water supply.

Century Complete would like to request that Iredell County Environmental Health (ICEH) issue the appropriate permits for a subsurface wastewater treatment and disposal system based upon the following proposal and the enclosed Licensed Soil Scientist Evaluation, which is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11. (c).

Location

From Statesville, take I-40 to Old Mocksville Road. Turn left onto Old Mocksville Road, left onto Mt. Bethel Road, and left onto 4 Andrews Drive (Rock Gate Estates).

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 1, 2017.

Accepted Wastewater System No. AWWS-2005-02-R6; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 21, 2015.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208
NC Licensed Soil Scientist No. 1287
SC Certified Professional Soil Classifier No. 111
NC Subsurface Septic System Operator No. 22199
NC Grade IV Wastewater System Installer No. 1762
NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

1. The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1,000 gallons in capacity.
2. The septic tank shall be fitted with an approved effluent filter.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tanks have had time to properly cure and are free of cracks or other structural deficiencies.

B. Pipes and Fittings

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.
3. The supply line will be approximately 48 feet long from the second septic tank to the distribution box.

C. Distribution Method

1. The drainlines will be fed a distribution box (center-fed lines). Distribution box shall be water tested at the time of the final inspection.

D. Drainfield Installation

1. The drainfield has been previously laid out on-site utilizing metal stemmed flags. The property owner/builder should mark this area and isolate it as much as possible from construction traffic.
2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition.
3. The specified system is an accepted wastewater system, specifically the Infiltrator Quick 4 chamber system or any other system with a state-approved 25% reduction in required drainline length.
4. The drainfield consists of three (3) lateral trenches to be constructed 3-foot wide by 100 feet long. Total drainline length is 300 feet.
5. The maximum trench depth for this system shall be **25 inches**.
6. The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
7. The trenches should be left open for the final inspection by the ICEH.

E. Final Landscaping

1. Final cover over the drainfield shall be at least 6 inches deep. Additional soil cover may be required to achieve the 6 inch requirement.
2. The drainfield shall be shaped to shed rainwater and be free from low spots.

3. The drainfield area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

F. Utility Conflicts

1. The builder and property owner must take special care in planning for water, power, gas, telephone, and cable lines. These utilities shall be kept clear of all parts of the septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage and permit revocation. If there are any questions regarding preferred routes, contact the ICEH as soon as possible.
2. Lawn irrigation should not be placed over the drainfield area.

Maintenance

G. In General

1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
3. When it becomes necessary to clean the effluent filter, the filter should be removed, and the accumulated debris washed back into the septic tank – not onto the lawn.
4. Any damp areas, leakages, or malfunctions in the drainfield area should be addressed immediately.
5. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Design Specifics

Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	1,000 Gallons (minimum)
Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted 25% Reduction
Distribution Method:	Distribution Box

Number of Drainlines:	(3) 3' Wide x 100' Long
Total Trench Length:	300 Linear Feet
Maximum Trench Depth:	25 Inches
Final Cover Requirement:	6 Inches

Repair Option

Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted
Required Linear Footage:	300 Linear Feet
Available Linear Footage:	326 Linear Feet
Maximum Trench Depth:	25 Inches
Installation Depth:	6 Inches

PRELIMINARY SOIL AND SITE EVALUATION

Rock Gate Estates
Harmony, NC 28636

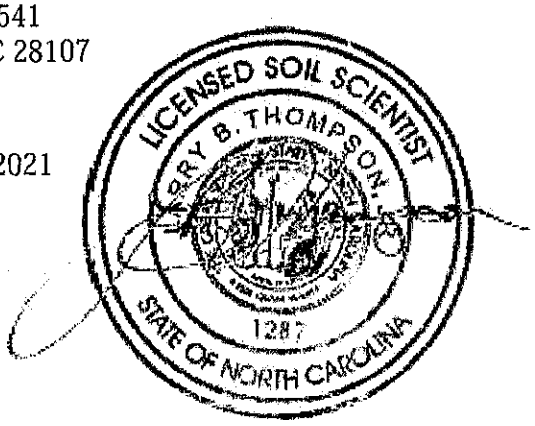
Prepared For:

Katie Dyess
Century Complete
9325 Center Lake Dr., Suite 160
Charlotte, NC 28216

Prepared By:

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

June 11, 2021



INTRODUCTION & SITE DESCRIPTION

This Preliminary Soil and Site Evaluation was performed on 38 lots located in the Rock Gate Estate subdivision, Harmony, North Carolina (Lots10-14, 16-20, 22-33, 41-44, 46-52, 55, 59-61, and 65).

Thompson Environmental Consulting, Inc. (TEC) was retained to determine whether the soils were suitable for the installation of onsite subsurface wastewater treatment and disposal systems. The property was evaluated in accordance with North Carolina statutes for waste disposal ("Laws and Rules for Sewage Treatment and Disposal Systems", amended April 1, 2017).

INVESTIGATION METHODOLOGY & SITE PHYSICAL CHARACTERISTICS

The evaluation was conducted by Michael Wood, LSS, Larry Thompson, LSS, and Ethan Wood, ES on March 20-21, and June 11, 2021. Sixty-six soil borings and 17 pits were advanced, and soil color was determined with a Munsell Soil Color Chart. Observations of the landscape (slope, drainage patterns, etc.) as well as soil properties (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) were recorded.

The project study area has been previously developed as a single-family residence subdivision served by public water.

FINDINGS

Borings rated as "Provisionally Suitable" for the installation of an Accepted System or Prefabricated Permeable Block Panel Systems (PPBPS) are denoted in the attached Figure as green and orange points. Surfaces typically exhibited friable silt loam to clay loam textures with weak, medium, subangular blocky structure 3 to 12 inches in depth. Lower subsurface horizons exhibited firm clay loam, sandy clay loam, to clay textures with moderate, medium, subangular blocky structure to a depth of 13 to greater than 40 inches before encountering sandy loam to loam saprolite. A long-term acceptance rate (LTAR) of 0.3 to 0.4 gal./day/sq. ft. would be recommended for these soils.

Borings rated as "Provisionally Suitable" for the installation of Subsurface Drip Dispersal product are denoted in the attached Figure as yellow points. Textures of friable sandy loam with weak, medium, granular blocky structure were recorded to depths of 15 to 22 inches before encountering >50% parent rock. A long-term acceptance rate (LTAR) of 0.1 to gal./day/sq. ft. would be recommended for these soils.

Borings rated as "Unsuitable" for the installation of subsurface wastewater treatment and disposal systems are denoted as red points in the attached Figure. These soils were shallow to soil rock.

DISCUSSION

Twenty-six of the sixty-six borings were noted as having sandy loam to loam saprolitic material, which can be considered for use with onsite wastewater treatment and disposal if no open and continuous joints, quartz veins, or fractures that are relic of parent rock is observed. While the borings give every indication that we have "suitable" saprolite, 15A NCAC 18A .1956 MODIFICATIONS TO SEPTIC TANK SYSTEMS, (6) SAPROLITE SYSTEM states that an investigation of the site using pits is a requirement. This was completed with a deep pit evaluation on June 11, 2021 and the saprolite was determined to be "Suitable" for wastewater treatment and disposal.

It is estimated that approximately 4,800 square feet of suitable soil area would need to be allocated and left completely available for the installation of a 3-bedroom Accepted System in "Provisionally Suitable" soil. Some of the lots would benefit from the installation of a PPBPS due to limited areas of "Provisionally Suitable Soil" and, in this case, would need approximately 3,300 square feet of suitable soil area allocated and left completely available for a 3-bedroom system installation.

Soil borings designated as "Drip Dispersal Depth" in the Figure have the potential to support the installation of a Subsurface Drip Dispersal septic system. It is estimated that approximately 7,200 square feet of suitable soil would need to be allocated and left completely available for the installation of a 3-bedroom Subsurface Drip Dispersal septic system. A special hydraulic assessment would be required to determine the exact square footage that might be required when considering subsurface drip dispersal.

TEC is not aware of any innovative or alternative systems currently permitted for use in North Carolina that can be used in areas with "Unsuitable" soil borings.

Based on our evaluation, it appears that Lots 26 and 46 would be considered "Unsuitable" and Lots 41 and 42 could be classified as "Provisionally Suitable" for use with subsurface drip dispersal.

CONCLUSION

The findings presented herein represent TEC's professional opinion based on our Soil and Site Evaluation and knowledge of the current laws and rules governing on-site wastewater systems in North Carolina. Soils naturally change across a landscape and contain many inclusions. As such, attempts to quantify them are not always precise and exact. Due to this inherent variability of soils and the subjectivity when determining limiting factors, there is no guarantee that a regulating authority will agree with the findings of this report.

DocuSign Envelope ID: B4E15E00-408B-4FDC-B5C9-D2F35D044D9D

To: Iredell County Environmental Health

From: WJH LLC

Regarding: Rock Gate Estates – Session Law 2018-114 Permit Packages

The NC LSS evaluation attached to these applications is to be used to produce a design and construction features for permitting in accordance with Session Law 2018-114 Section 11. (c).

DocuSigned by:

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Project Manager

6/17/2021

Date

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

Sheet 1 of 14

PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**

OWNER: Phillip P. Barker
ADDRESS: 976 Shaw Road, Harmony, NC 28634
PROPOSED FACILITY: RES PROPOSED DESIGN FLOW (.1949):
LOCATION OF SITE: Rock Cove Estates, Harmony, NC 28634

DATE EVALUATED: 3/21/21
PROPERTY SIZE:
PROPERTY RECORDED:

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other Lots10-14, 16-20, 22-33, 41-44, 46-52, 55, 59-61, and 65
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS/5%	0-3	GR/SL	VAR/N	—	40+	30"	—	PS 0.35 Need Pit
		3-30	SBK/CL	FR/S					
		30-40+	M/SiL	VFR/N					
2	LS/13	0-4	GR/SCL	VAR/N	—	40+	19	—	PS 0.35 Need Pit
		4-19	SBK/CL	FR/S					
		19-40+	M/SiL	VFR/N					
3	LS/	0-9	SBK/SL	VFR/NS	—	40+	25	—	PS 0.35 Need Pit
		9-25	SBK/CL	FR/S					
		25-40	M/SiL	VFR/N					
4	LS/13	0-14	SBK/CL	FR/S	—	40+	19	—	PS 0.35 Need Pit
		14-19	SBK/SiL	FR/N					
		19-40+	M/SiL	VFR/N					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Accepted/PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY: M. WOOD, LSS
OTHER(S) PRESENT: E. WOOD, Larry Thompson, LSS

LICENSED SOIL SCIENTIST — LARRY P. THOMPSON — 1287 — STATE OF NORTH CAROLINA

COMMENTS:
* Pits needed on lots with shallow depths
* Lots 26 & 46 Unsuitable

Updated February 2014

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

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

Sheet ___ of ___

PROPERTY ID #: _____

DATE OF EVALUATION: 6-11-24

COUNTY: Iredell

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	
74	LS 10%	0-10	SBk/scL	FI/ss/sp/sca	-	52"	-	-	PS 0.3
		10-52	SBk/C	FI/ss/sp/sca					
77									
78	LS	0-35	SBk/C	FI/ss/sp/exp	-	35"	L 35-60"	-	PS 0.3
		35-60	M/L	FR/NS/WP/Nexp					
79	LS 6%	0-3	SBk/scL	FI/ss/sp/sca	-	50"	-	-	PS 0.3
		3-50	SBk/C	FI/ss/sp/sca					
80	LS 6%	0-10	SBk/scL	FR/ss/sp/exp	-	52"	-	-	PS 0.3
		10-52	SBk/C	FI/ss/sp/exp					
81	LS 8%	0-24	SBk/C	FI/ss/sp/exp	-	40"	40-52	-	PS 0.3
		24-40	SBk/scL	FR/ss/sp/exp					
		40-52	M/SL	FR/NS/NP/Nexp					

COMMENTS: _____

Rodeheaver

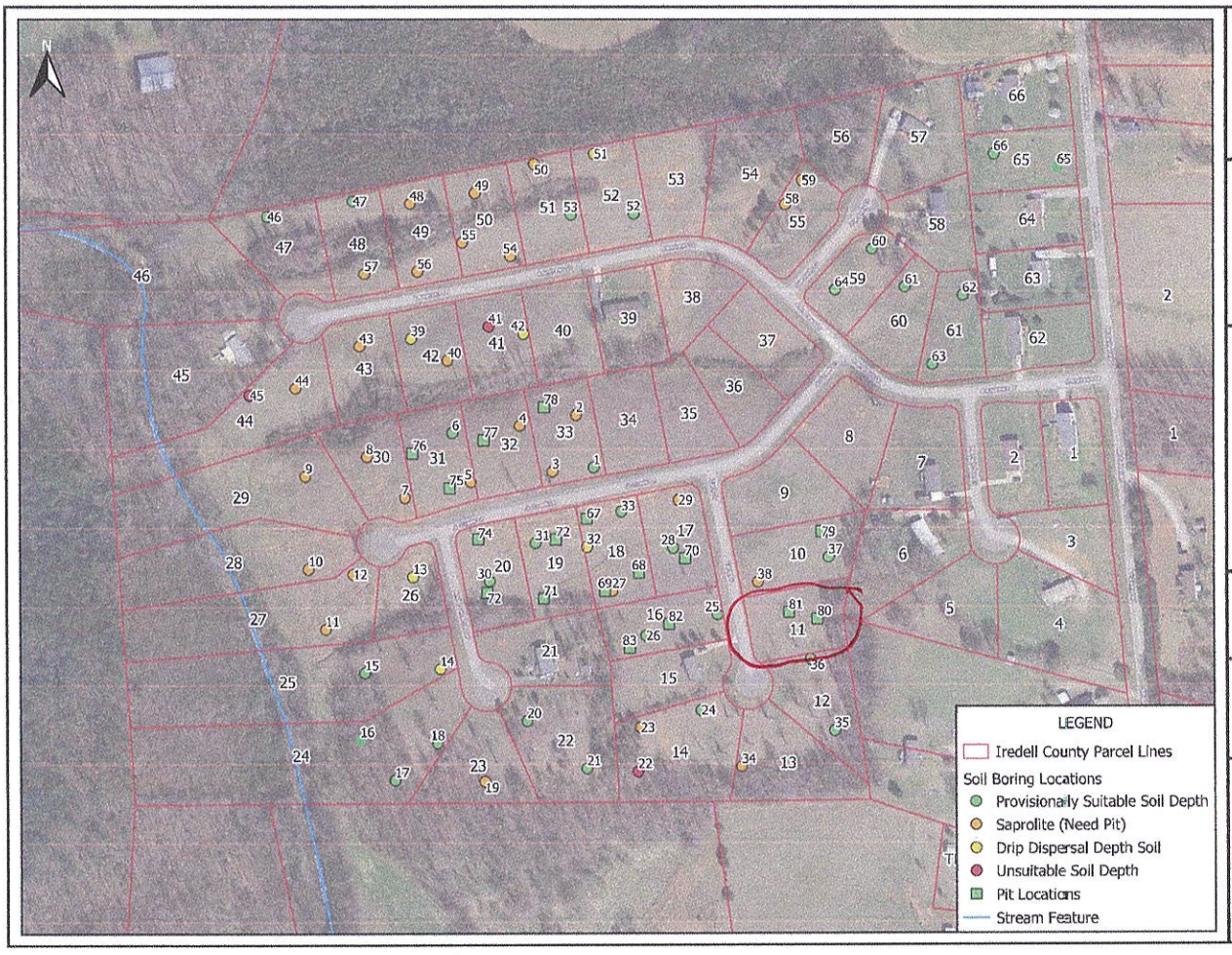


FIGURE 1

Prepared For:

Century Complete

Soil and Site Evaluation

Rock Gate Estates
Harmony, NC 28634

Iredell County

Scale:
0 150 300 ft

Date:	TEC Job No.
June 2021	21-167

Thompson Environmental Consulting
WATER - WASTEWATER - WETLANDS

11

RECEIVED JUL 1 9 2021 319556

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED Pd. $500.00

Iredell County Health Department – Environmental Health Division

PAGE 1: ***APPLICATION FORM*** Session Law

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

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)**

Applicant Name: WJH LLC **Address:** 9325 Center Lake Drive Ste 160 Charlotte NC 28216 **Zip:**
Applicant Email: katie.dyess@centurycommunities.com **Phone:** 704-488-1100 **Alt. Phone:**
Owner Name: Phillip P Barker (WJH LLC is under contract to purchase this lot) **Address:** 2904 Harmony Hwy- Harmony NC 28634 **Zip:**
Owner Email: **Phone:** **Alt. Phone:**

Property Information:

Street Address: 117 Zach Drive
Subdivision Name: Rock Gate **Section/Phase:** **Lot Number:** 11
Driving Directions: Turn right onto Kelly St, Turn right onto Feimster St, Take I-40 E and Old Mocksville Rd to Mt Bethel Rd, Turn left onto N Center St, Turn right to merge onto I-40 E, Take exit 154 for Old Mocksville Rd, Turn left onto Old Mocksville Rd, Turn left onto Mt Bethel Rd. Drive and turn left into Rock Gate Development

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

(X) New Single Family Residence — Maximum Number of Bedrooms: 3 — ( ) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: — (X) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
( ) 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:

CHECK FOUNDATION TYPE

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

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

Desired Septic System Type: ***(you may rank in order of preference)*** Year existing system installed:
( ) No Preference ( ) Alternative (X) 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?
(X) 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.

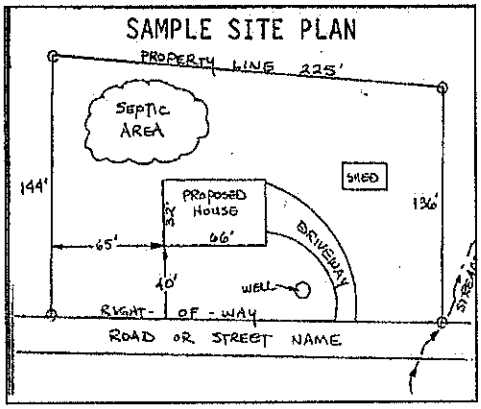
Signature: Katie Dyess for WJH LLC 7-9-21
Property owner or owner's legal representative signature (**SIGNATURE REQUIRED**) **DATE**

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:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (x) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- (x) 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 session Permit paperwork

Signature: Katie Dyess for WJH LLC

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

7-9-21

DATE

FOUR ANDREWS **SITE**



VICINITY MAP (N.T.S.)

CERTIFICATE OF SURVEY AND ACCURACY

I, CHRISTOPHER L COLE, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN (REFERENCES AS SHOWN); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN (REFERENCES AS SHOWN); THAT THE RATIO OF PRECISION AS CALCULATED EXCEEDS 1:15,000; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600);

PRELIMINARY

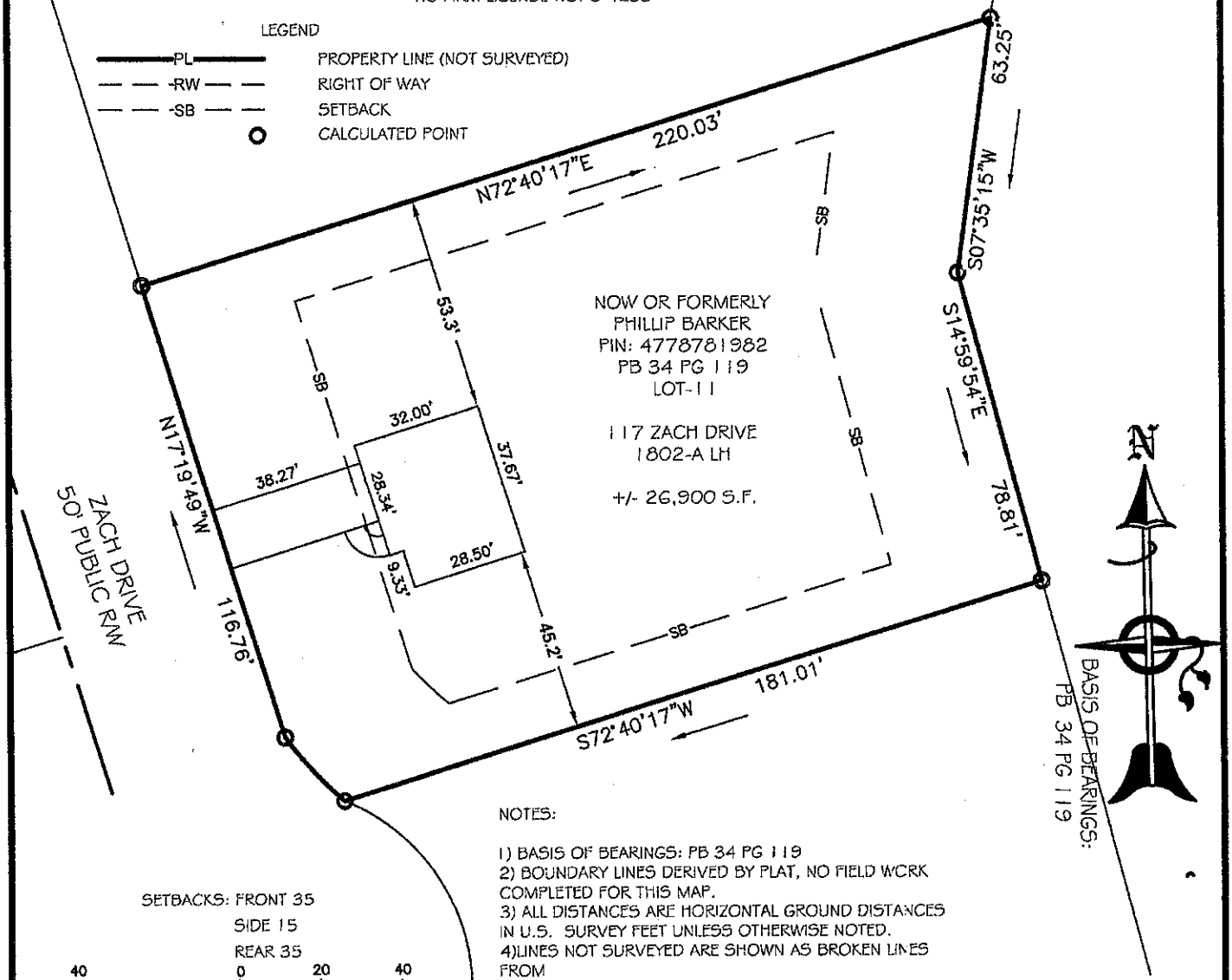
NOT FOR SALES, RECORDATION OR CONVEYANCES

CHRISTOPHER L. COLE
REGISTRATION/LICENSE NO. NCPLS L-5008
NC FIRM LICENSE NO. C-4288

NORTH CAROLINA PROFESSIONAL SEAL L-5008 LAND SURVEYOR CHRISTOPHER L. COLE

LEGEND

PL	PROPERTY LINE (NOT SURVEYED)
RW	RIGHT OF WAY
SB	SETBACK
O	CALCULATED POINT



NOTES:

1) BASIS OF BEARINGS: PB 34 PG 119
2) BOUNDARY LINES DERIVED BY PLAT, NO FIELD WORK COMPLETED FOR THIS MAP.
3) ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
4)LINES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM
5) THIS SURVEY DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY AND IS INTENDED TO DEPICT THE NEW BUILDING LOCATION RELATIVE TO THE BOUNDARIES.

SETBACKS: FRONT 35
SIDE 15
REAR 35

40 0 20 40

(IN FEET)
1 inch = 40 ft.

Ascension Land Surveying P.C.
Professional Land Surveying & Consulting
116 Williams Road, Mocksville, NC 27028
Phone: (704) 579-7197
Email: surveyor.chris007@gmail.com
NC FIRM LICENSE NO: C-4288
NC PLS NO: L-5008

4/14/2021

PIN: 4778781982
DRAWN BY: CC
CHECKED BY: JH
SCALE: 1"=40'
JOB: 21-02-24

PLOT PLAN
LOT-11
117 ZACH DRIVE
ROCK GATE ESTATES
TURNERSBURG TWNSHP, IREDELL CO., NC

Acknowledgement Of
Plans Submittal ONLY!

Date 8/4/21

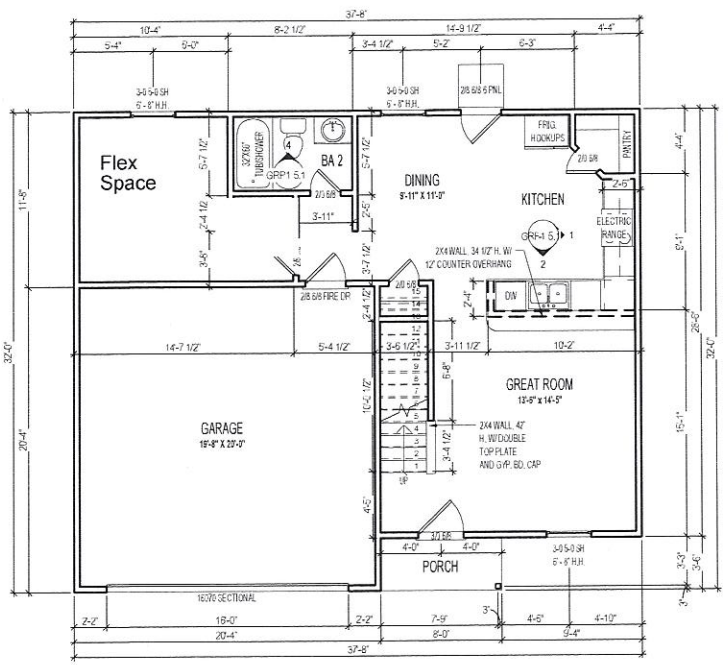
Date 8/4/21

TABLE R302.6 Dwelling/Garage Separation	
Separation	Material
From the residence and attics	Not less than ½-inch gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor-ceiling assemblies used for separation required by this section	Not less than ½-inch gypsum board or equivalent

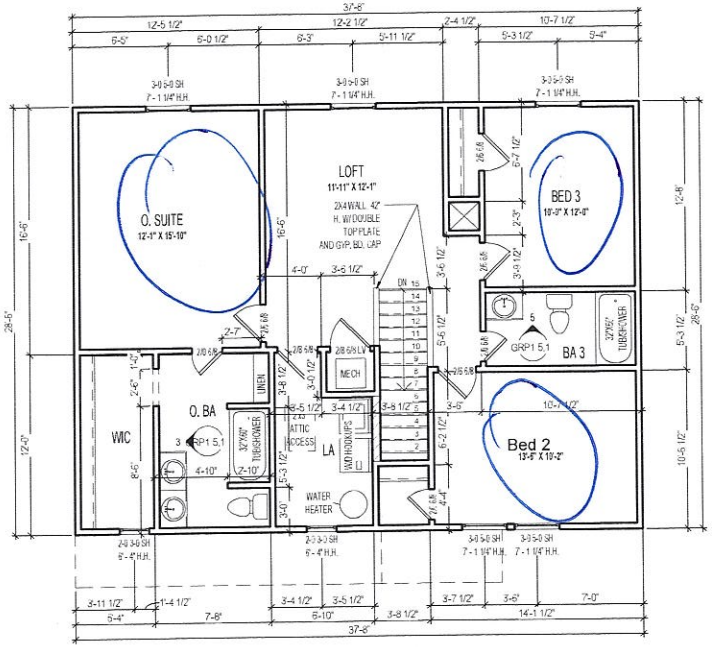
WALL LEGEND

- FULL HEIGHT 2X4 WOOD STUD PARTITION
- FULL HEIGHT 2X6 WOOD STUD PARTITION
- STONE VENEER
- DRYWALL OPENING HEIGHT AS NOTED ON PLAN. 6'-8" HDR HT.
- BRICK VENEER
- 1 ROD & SHELF
- STUD WALL BELOW HEIGHT AND STUD SIZE AS NOTED

NOTE: EXTERIOR WALLS FRAMED AT 16" O.C. INTERIOR NON-BEARING WALLS FRAMED AT 24" O.C. REF TO STRUCTURAL SHEETS FOR BEARING WALL SPECIFICATIONS AND PLATE INFORMATION



1 FIRST FLOOR PLAN ELEV 'A'
1/4" = 1'-0" AT 22" X 34" LAYOUT
1/8" = 1'-0" AT 11" X 17" LAYOUT



2 SECOND FLOOR PLAN ELEV 'A'
1/4" = 1'-0" AT 22" X 34" LAYOUT
1/8" = 1'-0" AT 11" X 17" LAYOUT

CENTURY Complete
MORE HOME · LESS MONEY
3091 GOVERNORS LAKE DR.
SUITE 300
NORCROSS, GA 30071
PHONE: 336-282-3606

WJH, LLC © 2021

GRP1 - 'A'

FLOOR PLANS

LOT #:
JOB #:
COMMUNITY:
ADDRESS:

PLAN # / ORIENTATION:
3821811 / LH

SERIES NAME:
DIAMOND

PLAN NAME:

LAST REVISION
2.04

SHEET #
GRP1 1.1