ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

MANF-2023-217660

PERMIT # 2023-13090

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

PIN # 4705 -- 86 -- 0336

APPLICANT/OWNER: Oakwood Homes

APPLICANT ADDRESS: 1265 Hwy 70W, Newton, NC 28658

SITE ADDRESS: 149 Gemstone Dr Statesville, NC 28625

PHONE: (704) 754-7047

ALT. PHONE –

SITE DIRECTIONS: I-40 W to exit 148, (R) NC-40, (L) Lippard Farm Rd, (L) Stones Edge Rd

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Stones Edge

SECTION: LOT # 10 LOT AREA: .454 AC

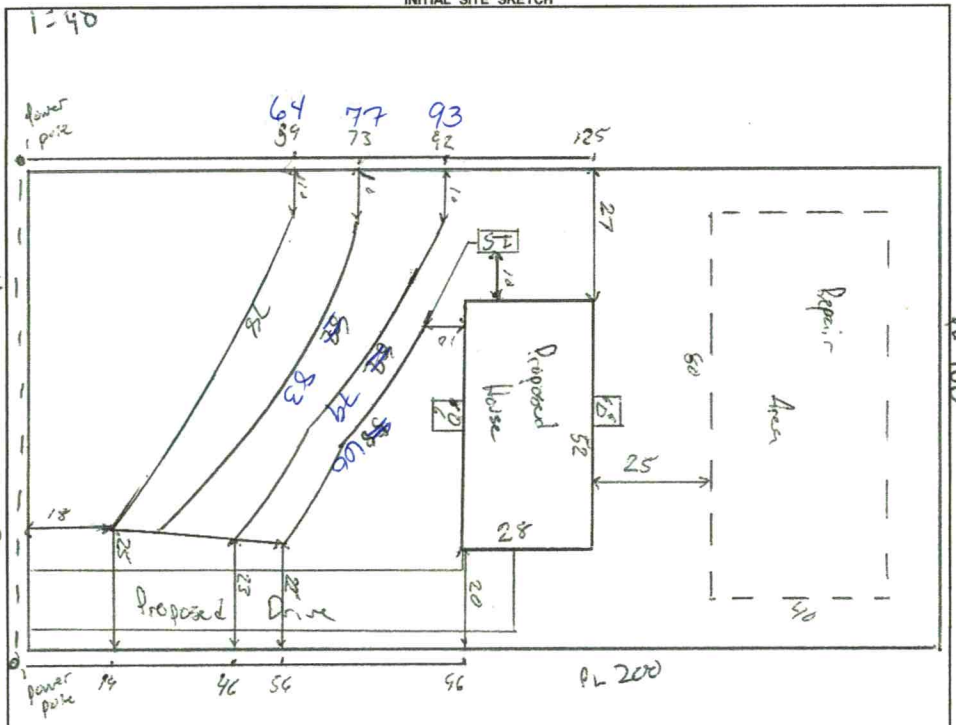
DESIGN FLOW: 360 L.T.A.R.: .3

Septic Tank	1000	(gal)	STB	160	Date	3/14/23	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	25% Reduction - Gravity - Serial			
Pump Make			Model		Serial #		Repair System Description:	50% Reduction - DM			
# Nitrification Fields	1		# Lines	4	Linear Ft	300	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36in		Trench Bottom Depth (Downslope)			36in max	Gravel Depth	N/A	☑ GRAVITY	☐ PRESSURE	

☑ Residence	No. Bedrooms	3	Water Supply	
☐ Business	No. Persons	6	☐ Private	
☐ Other	No. Employees		☑ Public	
☐ Slab	☑ Crawl Space		☐ Community	
☐ Basement w/plumbing			☐ Basement w/o plumbing	

Comments / Conditions: Install on contour with 4ft on center. Use serial distribution throughout. Do not drive, park or construct on septic area.

INITIAL SITE SKETCH



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.

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: Online Signature Date:

Installed by: Abee Landscaping

IMPROVEMENT PERMIT by: Date: 2/27/23

OPERATION PERMIT by: D. Webber Date: 3/22/23

AUTHORIZATION TO CONSTRUCT by: Date: 3/3/23

Existing System Inspected by: Date:

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

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

Sheet 1 of 1
PROPERTY ID #: 4705460336
COUNTY: Jackson

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

OWNER: Oakwood Homes
ADDRESS: 1265 Hwy 90 W
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 1/4 Greenhouse
WATER SUPPLY: Private (Public) Well Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut

APPLICATION DATE 1/13/23
DATE EVALUATED: 2/23/23
PROPERTY SIZE: .457A
PROPERTY RECORDED: yes
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 4%	0-25	C / SBK	SS SP & SE	-	52	-	-	PS .3
		25-52	CL / SBK	SS SP & SE					
2	LS 8%	0-22	C / SBK	SS SP & SE	-	50	-	-	PS .3
		22-50	CL / SBK	SS SP & SE					
3	LS 4%	0-30	C / SBK	SS SP & SE	-	50	-	-	PS .3
		30-50	CL / SBK	SS SP & SE					
4	LS 6%	0-26	C / SBK	SS SP & SE	-	52	-	-	PS .3
		26-52	CL / SBK	SS SP & SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	20%	80%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew W
OTHER(S) PRESENT: Jacob B

COMMENTS:

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (88) Mooresville Office (704) 660-3625 PERMIT # 2023-13690

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

PIN # 4705 -- 86 -- 0336

APPLICANT/OWNER: Rockwood Homes APPLICANT ADDRESS: 1265 Hwy 70W, Newton, NC 28658

SITE ADDRESS: 149 Gemstone Dr Statesville, NC 28625 PHONE: (704) 754-7047 ALT. PHONE –

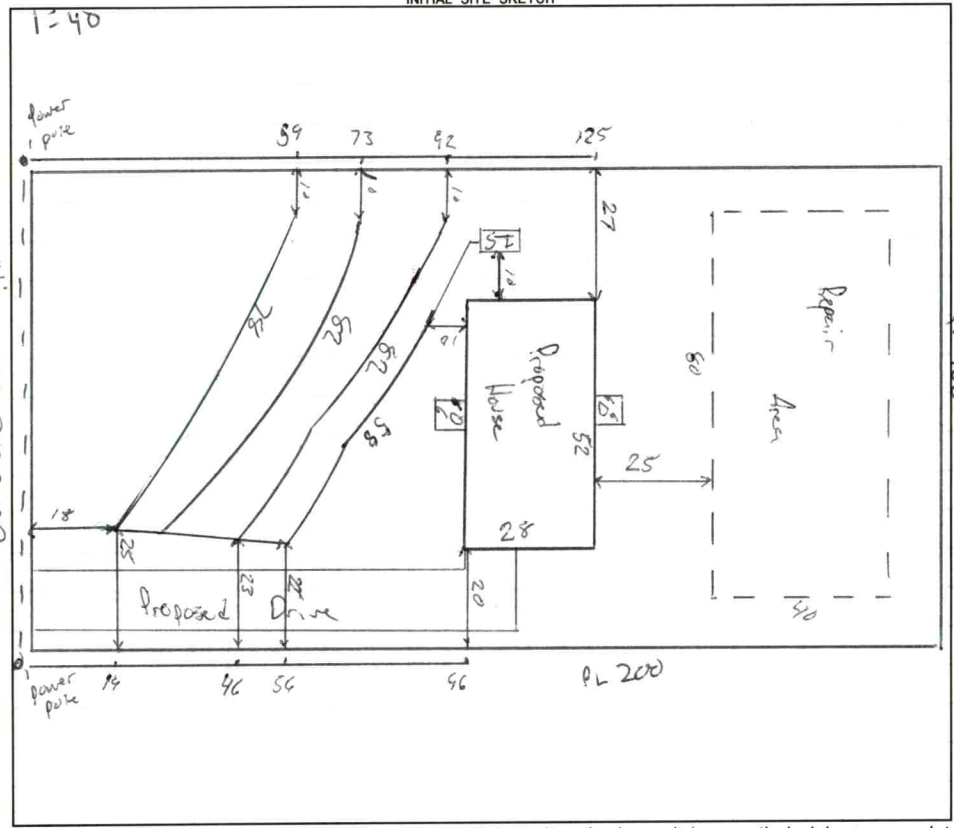
SITE DIRECTIONS: I-40 W to exit 148, (R) NC-90, (L) Lippard Farm Rd, (L) Stones Edge Rd SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Stones Edge SECTION: – LOT # 10 LOT AREA: .454 AC DESIGN FLOW: 360 L.T.A.R.: .3

Septic Tank	1000	(gal)	STB	Date	☑ 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 - Gravity - Serial			☐ Business	No. Persons	6	☐ Private
Pump Make		Model		Serial #	Repair System Description:	50% Reduction - PM			☐ Other	No. Employees		☑ Public
# Nitrification Fields	1	# Lines	4	Linear Ft 300	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36in	Trench Bottom Depth(Lowside)		36in MAX Gravel Depth N/A		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Install on contour with 9ft on center. Use serial distribution throughout. Do not drive, park or construct on septic area.

INITIAL SITE SKETCH



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.

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: Online Signature Date: Installed by:

IMPROVEMENT PERMIT by: Matt Wilson Date: 2/27/23 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Matt Wilson Date: 3/3/23 Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

Sheet 1 of 1
PROPERTY ID #: 4705860336
COUNTY: Iredell

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

OWNER: Oakwood Homes
ADDRESS: 1205 Hwy 90 W
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 145 Greenstone
WATER SUPPLY: Private (Public) Well Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

APPLICATION DATE: 1/13/23
DATE EVALUATED: 2/23/23
PROPERTY SIZE: .457A
PROPERTY RECORDED: YES

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 4%	0-25	C / SBK	SS sp & SE	-	52	-	-	SS .3
		25-52	CL / SBK	SS sp & SE					
2	LS 8%	0-22	C / SBK	SS sp & SE	-	50	-	-	PS .3
		22-50	CL / SBK	SS sp & SE					
3	LS 4%	0-30	C / SBK	SS sp fr SE	-	50	-	-	PS .3
		30-52	CL / SBK	SS sp fr SE					
4	LS 6%	0-28	C / SBK	SS sp fr SE	-	52	-	-	PS .3
		28-52	CL / SBK	SS sp fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	80%
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): OS
EVALUATED BY: Matthew W
OTHER(S) PRESENT: Sarah B

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

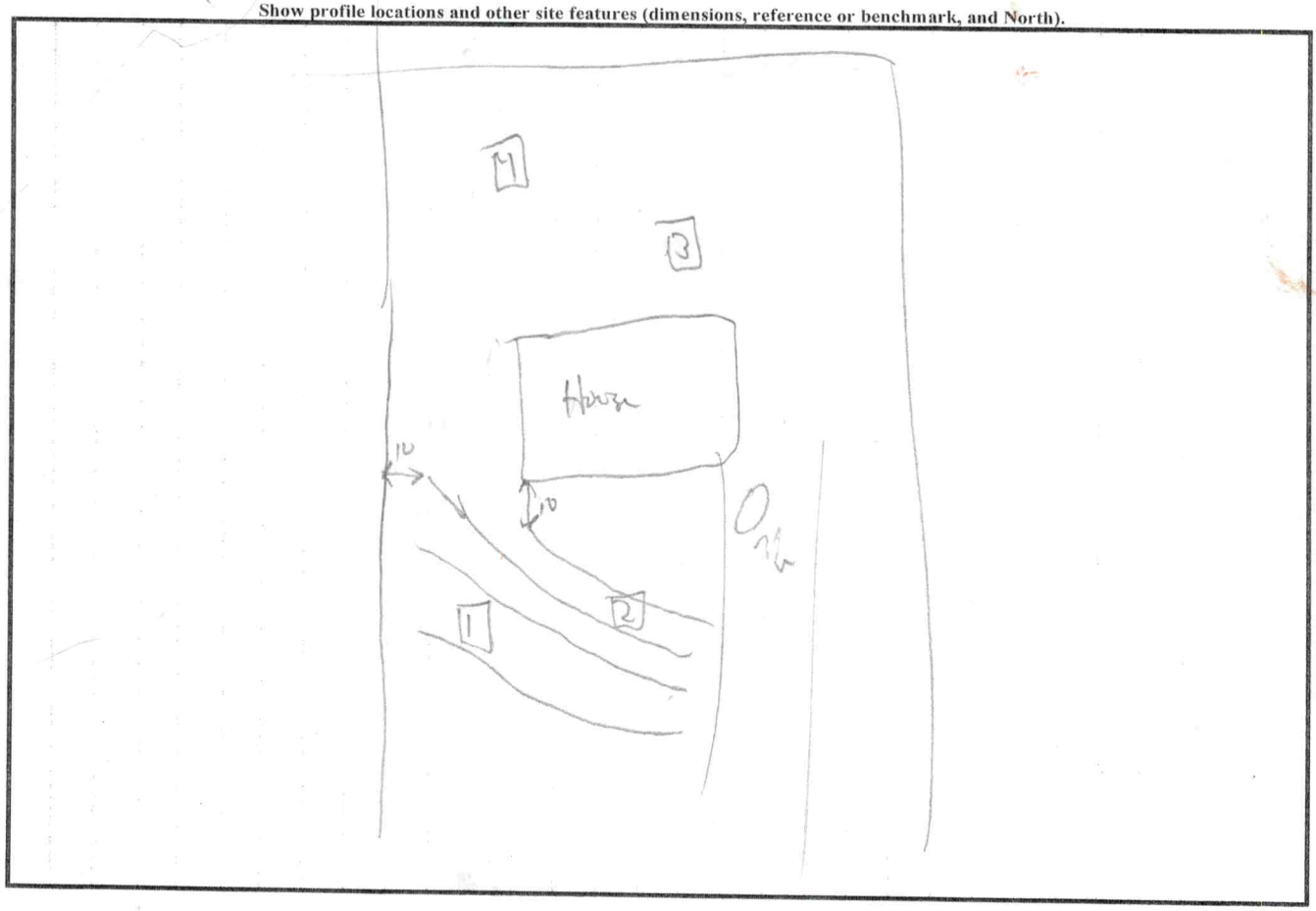
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



PERMIT SNAPSHOT REPORT OSWP-2023-13690
FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit
Status: In Progress
Valuation: $0.00
Description: Perk test for 3 Bedroom system

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wilkinson, Matthew

App Date: 01/13/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4705860336.000 Main
Address: 149 Gemstone Dr Main
Statesville, NC 28625
Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
Danny Oddie
1265 HJwy 70W
Newton, NC 28658
Mobile: (704) 754-7097

Property Owner
BULLER RIVER
DEVELOPMENT
259 TEXTILE WAY
FORT MILL, SC 29715
Business: (704) 301-3229

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	28x52	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	3	Number of Occupants	2
Foundation Type	Crawl Space Foundation	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Lot Acreage	0.459	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Jan 13 2023 12:00AM	Zoning Permit Expiration Date	Jul 12 2023 12:00AM	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Additional Unique Setbacks Apply	No
Watershed	NOT IN A WATERSHED				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Danny_Oddie_1/13/2023.jpg	01/13/2023 11:56	Oddie, Danny		Uploaded via CSS
Driver Site Plan_v1.pdf	01/17/2023 15:39	COMEAUX, DEBRA	Available Online	Site Plan
Driver Authorized_v1.pdf	01/17/2023 15:40	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-62009	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/14/2023			02/14/2023 16:14	02/14/2023 16:14

Inspectors: Kobuck, Teanna (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Note	Created By	Date and Time Created
1. 1/24--left message 1/25--Danny says HB is staked and will call once surveyor comes out.	Teanna Kobuck	02/09/2023 11:24

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00007620	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25

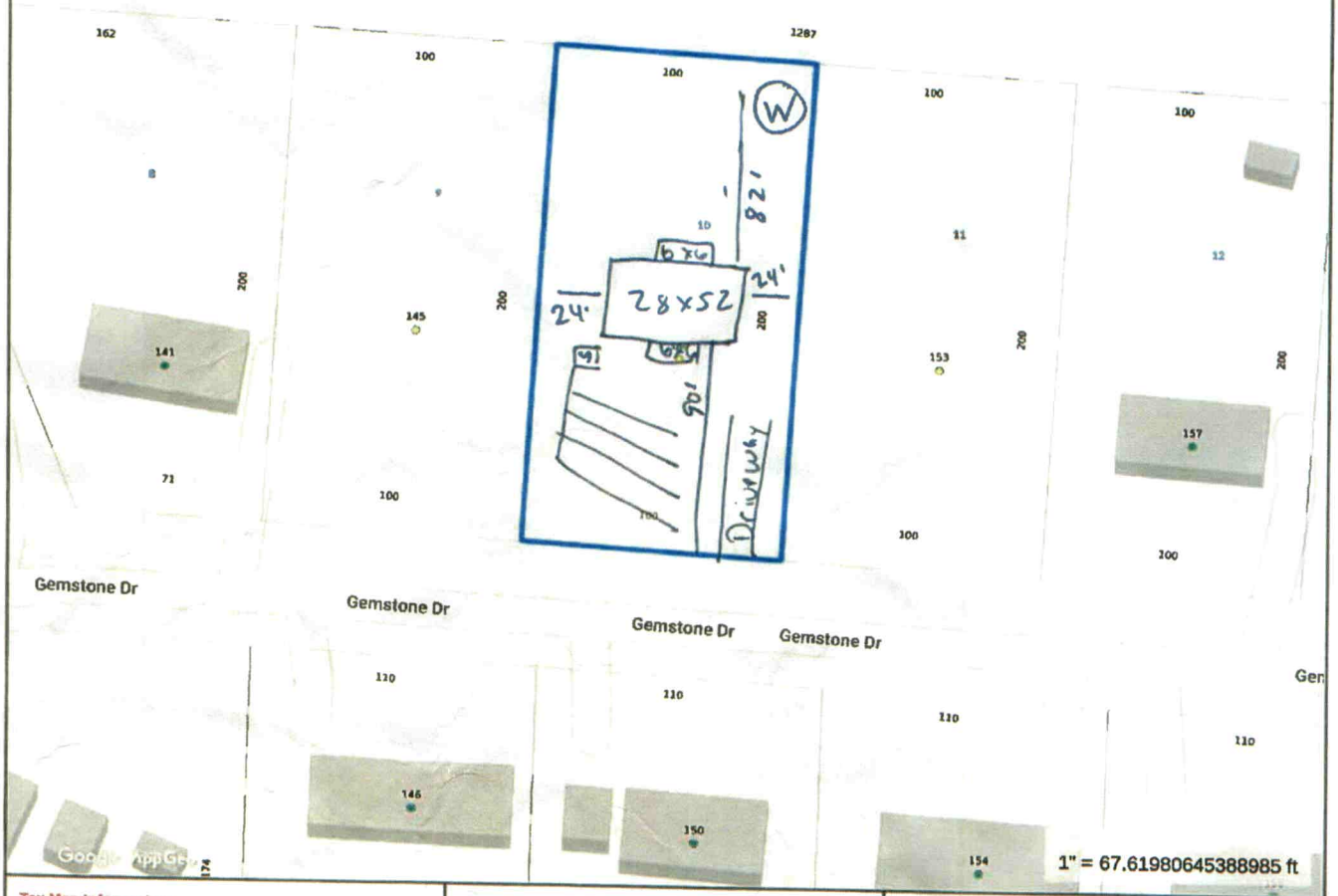
PERMIT SNAPSHOT REPORT (OSWP-2023-13690)

		Total for Invoice INV-00007620	$77.25	$77.25
INV-00007711	New Gravity System		$500.00	$500.00
		Total for Invoice INV-00007711	$500.00	$500.00
		Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/17/2023 15:41	01/17/2023 15:41
Confirm application complete v.1	Generic Action		01/17/2023 15:41
Fees v.1		01/17/2023 15:41	01/23/2023 13:36
Issue Invoice v.1	Generic Action		01/17/2023 15:41
Fees Paid v.1	Generic Action		01/23/2023 13:36
Zoning Review v.1		01/13/2023 14:17	01/23/2023 13:36
Iredell County Zoning Approval v.1	Task	01/13/2023 14:17	01/23/2023 13:36
Issue Invoice v.1	Generic Action		01/13/2023 14:18
Fees Paid v.1	Generic Action		01/23/2023 13:36
Lot Readiness Verification v.1		02/14/2023 16:14	
OSWP Septic Preliminary Site Visit v.1	Inspection	02/14/2023 16:14	02/14/2023 16:15
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		

Iredell County, North Carolina

January 13, 2023



Tax Map Information

• PIN	4705860336.000
• Address	149 GEMSTONE DR
• Account #	Acct 80086171
• Tax Owner	BULLER RIVER DEVELOPMENT PARTNERS
• Mailing Address	234 KINGSLEY PARK DR STE 110
•	FORT MILL, SC 29715
• GIS Owner	BULLER RIVER DEVELOPMENT PARTNERS
• Deed Info	2871 / 336 - WD - 20211115
• Tax Acres	0.459 AC
• Lot #	10
• Description	STONES EDGE PB38-124-127
• Zoning	RA
• Old Parcel #	
• Bldg Value	$0
• OBXF Value	$0
• Land Value	$14,000
• Total Value	$14,000
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

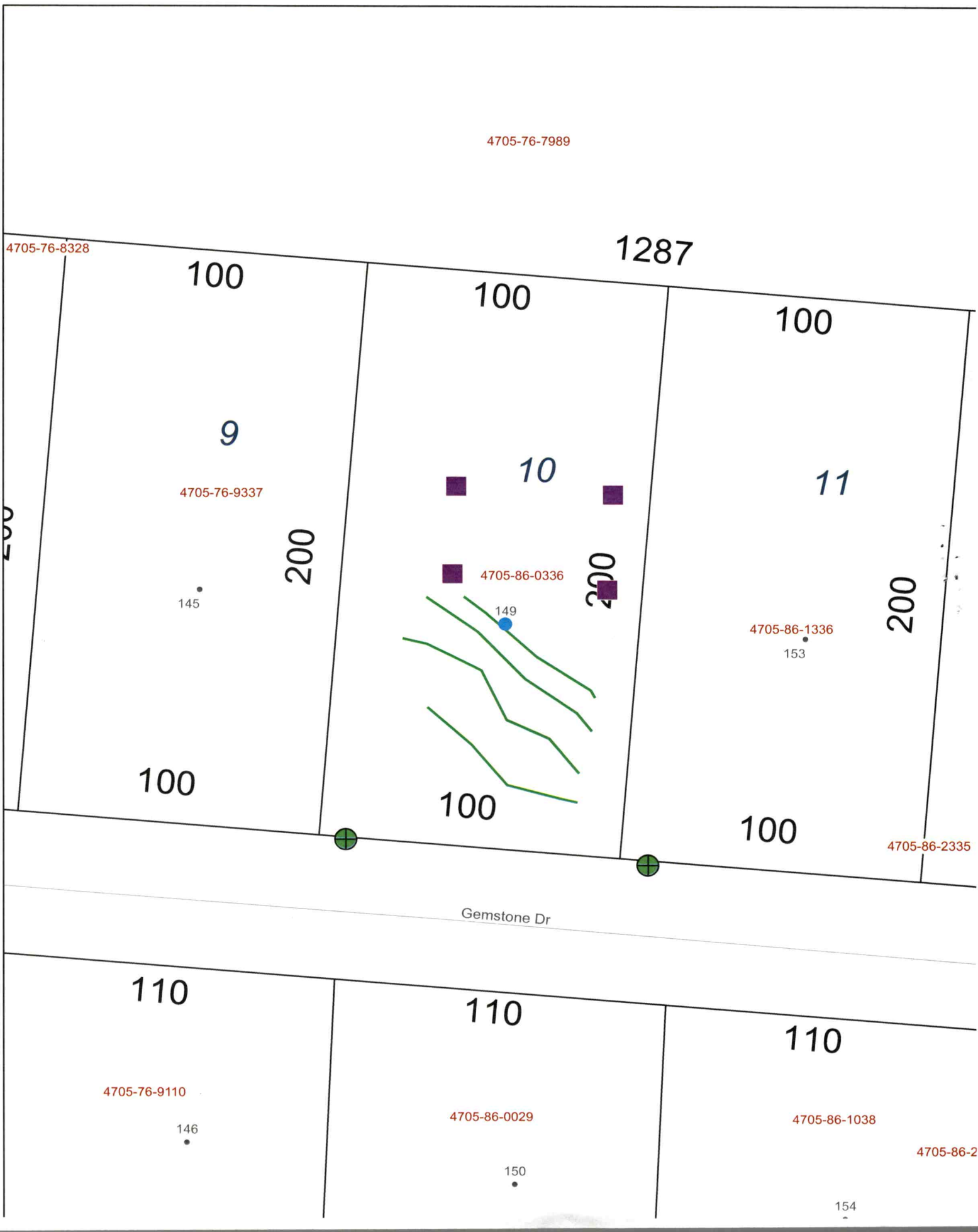
IREDELL

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.



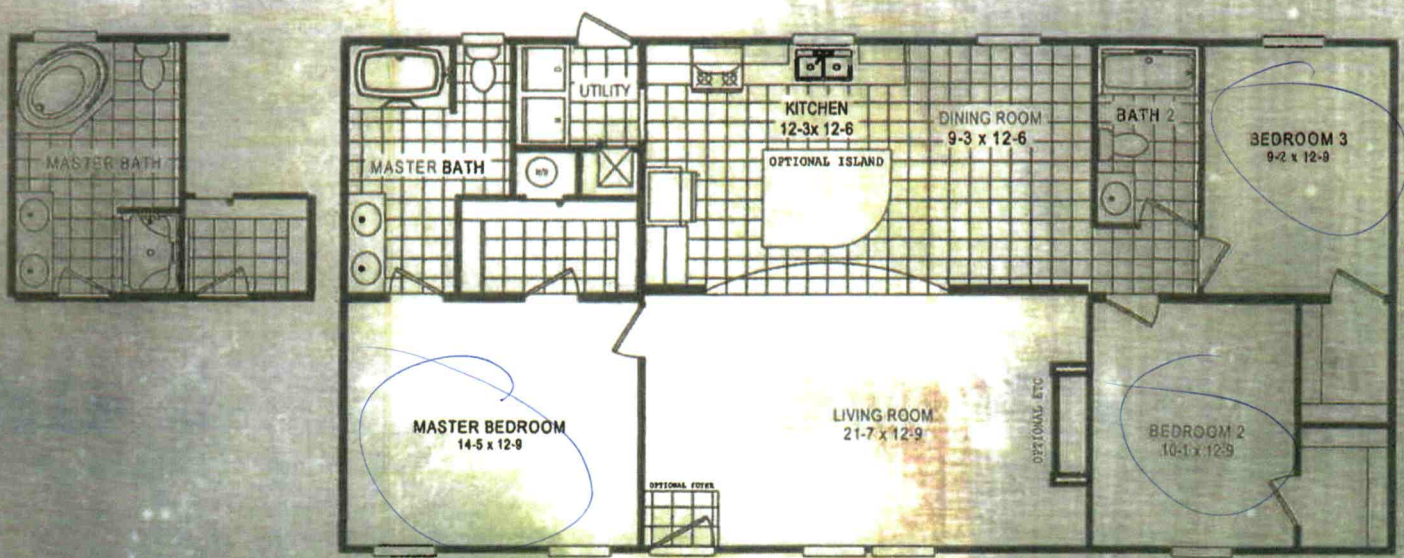

4705-76-7989
4705-76-8328
1287
100
100
100
9
10
11
4705-76-9337
4705-86-0336
4705-86-1336
145
149
153
200
200
200
100
100
100
4705-86-2335
Gemstone Dr
110
110
110
4705-76-9110
4705-86-0029
4705-86-1038
4705-86-2
146
150
154

MODEL 4603

28X52 1,386 SQ.FT.
3 BED / 2 BATH

4703 32X52 • 1541 SQ.FT. • 3 BED / 2 BATH

ALSO AVAILABLE AS AN ON-FRAME MODULAR



Acknowledgement Of
Plans Submittal ONLY!

_____ Date 3/3/23

_____ Date _____

SCHULT

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, MS, BSN, RN
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Notice of Intent to REVOKE Improvement Permit/Construction Authorization

Owner: Cornerstone III Properties Date: 5/9/2023

Address: 259 Textile Way, Fort Mill, SC 29715

Subject: Notice of Intent to Revoke: Address: 149 Gemstone Dr, Statesville, NC 28625 (Improvement Permit/Construction Authorization

Dear **Cornerstone III Properties**

The Iredell County Health Department (ICHD) inspected the site for the on-site wastewater system located 149 Gemstone for compliance with the Laws (Article 11 of Chapter 130A of the North Carolina General Statutes), Rules (15A NCAC 18A .1900 et seq.), and Improvement Permit/Construction Authorization _____ Type III_____ conditions. As a result of this inspection, the Department has determined the following violations:

Violation	Law or Rule Citation
Site plan has changed	15A NCAC 18A .1937(g)

This is to notify you that based on these violations, the Department intends to Revoke your Improvement Permit/Construction Authorization 30 days from the date of this notice.

If the ICHD determines that all of the violations have been corrected before thirty (30) days expire, the revocation will not go into effect. If the permit is revoked, you must apply for a new Improvement Permit/Construction Authorization and meet the requirements of the current laws and rules necessary to obtain a new IP/CA.

You have a right to an informal review of this decision. You may request an informal review by the environmental health supervisor at the local health department. You may also request an informal review by the NC Department of Health and Human Services Regional Soil Scientist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. You may write the Office of Administrative Hearings, call the office at (919) 431-3000 or get a copy of the petition form from the OAH web site at http://www.ncoah.com/forms.html . The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. North Carolina General Statute 130A-335 (g) provides that your hearing would be held in the county where your property is located.

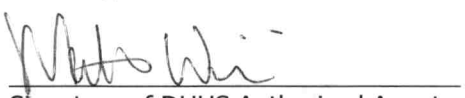
If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is **5/9/23**. Meeting the 30-day deadline is critical to your formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (NC General Statute 150B-23) to serve a copy of your petition on the Office of General Counsel, NC Department of Health and Human Services, 2001 Mail Service Center, Raleigh, NC 27699-2001.

Do not serve the petition on your local health department. Sending a copy of your petition to the local health department will not satisfy the legal requirement in NC General Statute 150B-23 that you send a copy to the Office of General Counsel, 2001 Mail Service Center, NC Department of Health and Human Services.

You may contact our office at 704-878-5305 x3456 or by fax at 704-871-3483.

Sincerely,



Signature of DHHS Authorized Agent

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, MS, BSN, RN
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Voluntary Relinquishment of Administrative Appeal Rights (Completion of Form by Property Owner)

5/9/2023

Owner: Cornerstone III
Address: 259 Textile Way, Fort Mill, SC 29715

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description): Address:

_____

I, _____, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

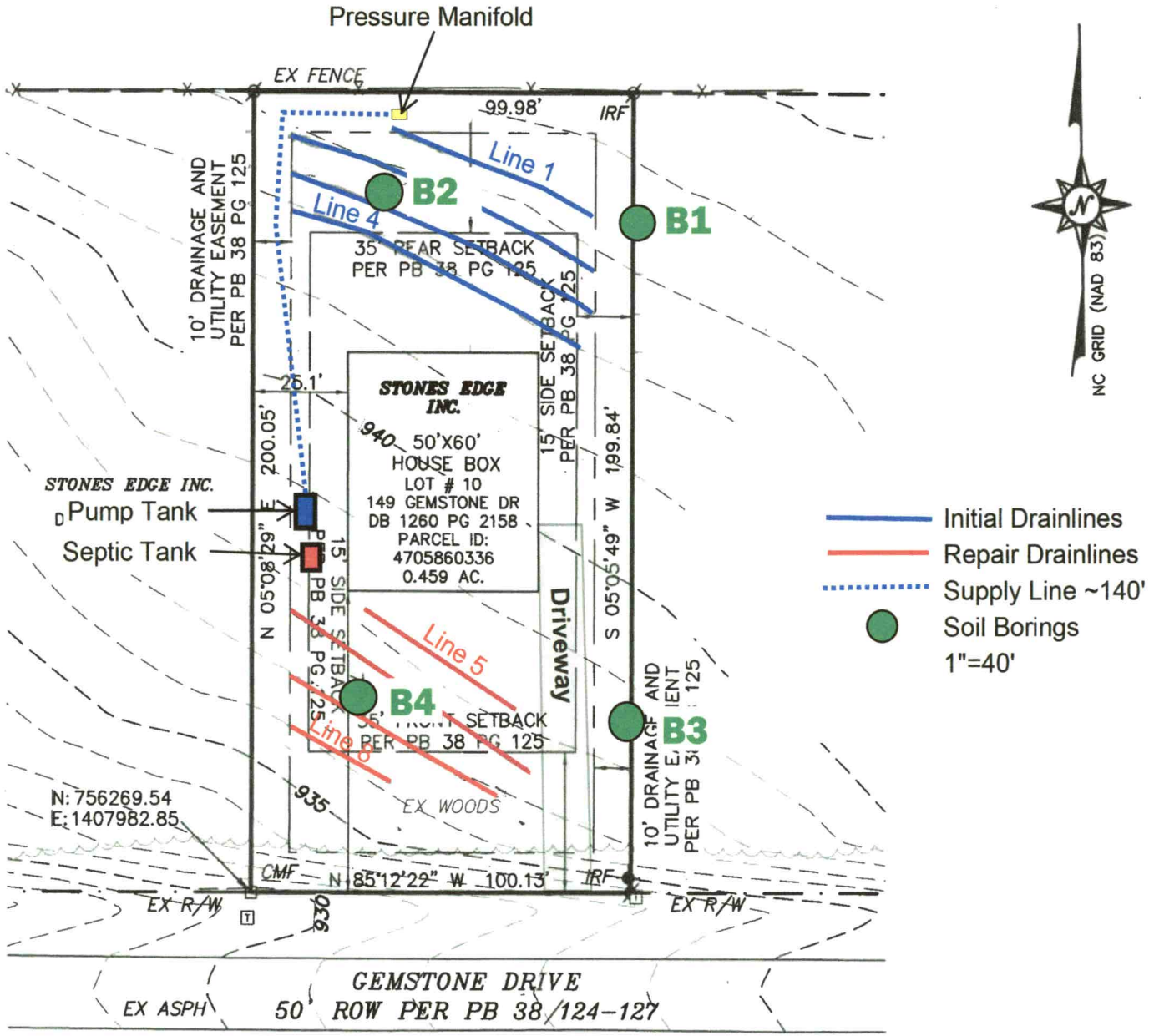
Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on _____ for a system:
(permit date)

Type III at Address: 149 Gemstone Dr, Statesville, NC 28625

for the site will be "revoked" immediately by the authorized agent/local health department.

_____
Signature of Property Owner

Figure 1. 149 Gemstone Drive



U.S. SURVEY FEET

IONS BASED

IDEPENDENT SEARCH
RESTRICTIVE
ANY OTHER FACTS
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APPROVED SEP 13 2021

Residential Subsurface Wastewater Treatment and Disposal System Proposal

for

149 Gemstone Drive
Statesville, Iredell County, NC 28625

PIN # 4705860336
August 3, 2021

Prepared for:

Stan W Pressley
Cornerstone III Properties
704-301-3229
Stan@cornerstone3p.com

Prepared by:

Evan T. Morgan, LSS
Michael G. Wood, LSS
Three Oaks Engineering
324 Blackwell Street, Suite 1200
Durham, NC 27701
Phone: 919-732-1300

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).

Cornerstone III Properties has contracted with Three Oaks Engineering, Inc. to prepare Session Law 2018-114 Section 11 (c) septic proposal for a new 3-bedroom single family residence to be located at 149 Gemstone Drive, Statesville, North Carolina (Iredell County PIN: 4705-86-0336).

Based upon a soils investigation performed by Three Oaks, it has been determined that a sufficient amount of "Suitable" Group IV soils is available for the installation of **Pump-to Accepted System** with a 25% reduction for the initial system at a 0.30 GPD/ft. sq. long term acceptance rate (LTAR). The repair will be a Horizontal Prefabricated Permeable Block Panel System (H-PPBPS) with an LTAR of 0.30. The property is served by a municipal water supply.

Cornerstone requests 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 W Front Street west for 1.6 mile, then sight left onto Newton Drive. Turn right onto US-64 for 5.6 miles, then left onto Lippard Farm Road for 0.6 miles, then left onto Stones Edge Road. 149 Gemstone will be on left in approximately 0.2 mile.

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, December 6, 2018.

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.

Design, Installation and Maintenance of the T & J Panel Wastewater Treatment System; 2021, published by T & J Panel.

Primary Investigator's Credentials

NC Licensed Soil Scientist No. 1219
SC Professional Soil Classifier No. 114

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 will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

B. Pump Tank

1. The pump tank shall be State approved, of one-piece construction, watertight, structurally sound and 1,000 gallons capacity. Again, it is the responsibility of the septic tank contractor to thoroughly inspect each pump tank prior to accepting delivery.
2. All pipe penetrations into the tank shall be booted (i.e., C-293 boot with a stainless-steel strap).
3. The pump tank shall have access risers that extend, at a minimum, 6 inches above finished grade and must have less than 36 inches of fill over its top once finished grade has been established (a reinforced concrete tank will be required if finished soil cover is 36 inches or greater in depth).
4. Floats, pump and control circuits, and the control panel shall meet the requirements of Rule .1952(c). Panel and control equipment shall include lightning protection, be protected from unauthorized access, and always remain accessible to the system operator.
5. The pump and alarm controls shall be provided with manual circuit disconnects within a watertight, corrosion resistant, NEMA 4x rated control panel. The control panel must be securely mounted outside, adjacent to the pump tank riser and at a minimum of 12 inches above finished grade. Pump and float control wiring should be long enough to reach from the tank to the control panel without splicing, routed through wire conduit, and sealed at the openings within the pump tank as well as the control panel enclosure. It is paramount that the conduit is properly sealed to prevent the escape of flammable gases from the pump tank. Furthermore, there must be two electrical circuits for the pump tank controls: one for the pump and one for the alarm controls.
6. Float switch tie downs must be made of a corrosion resistant material (per OWPS, all metal in the tanks shall be stainless steel). Floats should be mounted on a separate "float tree" rather than the pump supply line (see pump tank detail).
7. The pump removal system will be via a pump tether made of nylon rope or its equivalent. The tether material should be resistant to mildew and rot.

C. 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 from septic tank to the pressure manifold shall be 2-inch Schedule 40 PVC (approximate length of supply line is 140 feet).
4. There shall be a threaded PVC union above each pump to facilitate easy removal of the pumps for maintenance or replacement.

D. Distribution Method – Pressure Manifold

1. A pressure manifold shall be used to distribute wastewater to four drainlines.
2. The pressure manifold shall be contained within an adequately sized box/vault that will allow future repair lines to be installed and is designed to allow for drainage of effluent that may accumulate in it during flushing and head pressure adjustments. The box should be placed upon a gravel base.
3. A gate valve shall be provided at the pressure manifold box to allow for final pressure adjustment (2 foot of head pressure as per design).
4. The pressure manifold shall be constructed of 4" SCH 80 PVC.
5. There shall be 4 taps (one 1/2-inch SCH 80, three 1/2-inch SCH 40 - direct thread or saddle).
6. The connecting pipe between the pressure manifold taps and the drainfield shall be constructed of PVC.

E. 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 the shallow placed innovative wastewater system Infiltrator Quick4 Chamber System or any other system with a state-approved 25% reduction in required drainline length.
4. The drainfield consists of four (4) lateral trenches 3-foot wide and 60, 80, 80, and 80 feet long. Total drainline length is 300 feet.
5. The trench depth for this system shall be **24 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 County.

Initial & Repair Systems - 149 Gemstone Drive

Field Line #	Color	Initial/Repair	Field Length	System Length	Setup #1	Setup #2	Relative Elevation
1	W	Initial	60	60	3.4		99.50
2	B	Initial	86	80	3.85		99.05
3	R	Initial	86	80	4.3		98.60
4	W	Initial	86	80	4.55	2.8	98.35
5	W	Repair	30	30		4.7	96.45
6	B	Repair	60	60		4.65	96.50
7	Y	Repair	75	70		4.3	96.85
8	R	Repair	46	40		3.75	97.40
				Proposed Pump Tank (Pink Pin Flag)	5.85		97.05
				Benchmark EIP at back left corner	2.9		100

F. 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 entire area of the drainfield 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.

G. Utility/Drive Conflicts

1. The builder and property owner must take special care in planning for utilities (water, power, gas, telephone, cable lines, etc.). All utilities shall be kept clear 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 County as soon as possible.
2. Water lines must be kept at least ten (10) feet from any portion of the septic system.
3. Irrigation systems should not be placed in the drain field area.

Maintenance

H. In General

The designed system does not require ongoing maintenance via a person certified (Certified Subsurface System Operator) by the North Carolina Department of Environment and Natural Resources to operate subsurface wastewater systems (Section .1961 Maintenance of Sewage Systems). However, the following maintenance should be considered by the owner.

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% of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If you are using a

garbage disposal, it is recommended that the septic and pump tanks be cleaned out annually.

3. When it becomes necessary to clean the effluent filters, the filters should be removed, and the accumulated debris washed back into the septic or pump tank – not onto the lawn.
4. Any damp areas, leakages or malfunctions in the drainfield should be addressed immediately.
5. Divert gutter downspouts and surface water runoff away from the drainfield and septic and pump tanks.

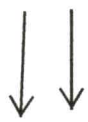
Initial System Design Specifics

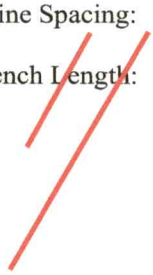
Daily Design Flow:	360 GPD – 3-bedroom house
Effluent Loading Rate:	0.300 GPD per sq. ft.
Drainfield Type:	Accepted (25 % Reduction) IIIB-G
Maximum Trench Depth:	24 Inches
Supply Size:	2 Inch
Supply Line Length:	Approximately 140 feet
Number of Drainlines:	4
**Drain Lines:	(1) 3' Wide x 60' Long (3) 3' Wide x 80' Long
**Drainline Spacing:	9 Foot on Centers
Total Trench Length:	300 Linear Feet
Distribution Method:	Pressure Manifold
Final Cover Requirement:	6 Inches
*Pump Requirements:	26.81 GPM at 14.01 ft TDH
Recommended Pump:	Goulds Pump WE03L or equivalent
Dose Volume:	137 gallons
Pump Run Time:	5.09 minutes
Pump Tank Drawdown:	6.8 inches (Assumes 20 gal/in in Septic Tank)

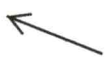
* Total Dynamic Head (TDH) for system is estimated based upon existing elevations, approximate pump off elevation, design pressure head and supply line length. Total Dynamic Head should be reconfirmed by septic contractor at the time of system installation based upon actual tank depth and pressure manifold height.
** See drainfield layout for site locations and more details.

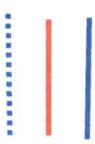
Repair System Design Specifics

Effluent Loading Rate:	0.30 GPD per sq. ft.
Drainfield Type:	Horizontal PPBPS (50% Reduction)
Maximum Trench Depth:	24 Inches
Number of Drainlines:	4
**Drain Lines:	3' Wide x 30' Long 3' Wide x 60' Long 3' Wide x 70' Long 3' Wide x 40' Long
**Drainline Spacing:	9 Foot on Centers
Total Trench Length:	200 Linear Feet





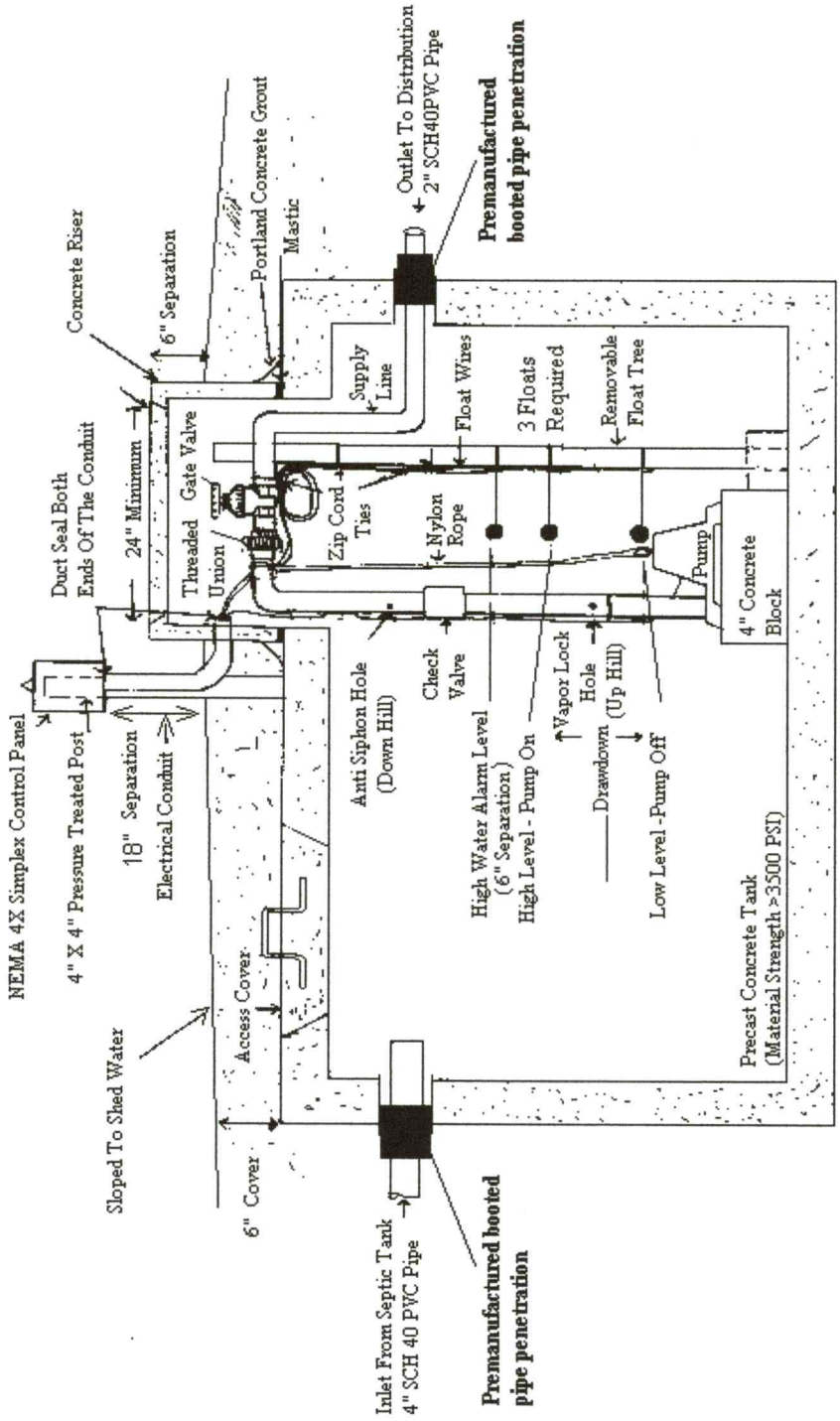




Three Oaks Engineering, Inc.
324 Blackwell Street, Suite 1200
Durham, NC 27701

149 Gemstone Drive

Recommended Pump Tank Design



Name: Cornerstone Properties **P.I.N. #:** 4705860336

Address: 149 Gemstone Drive **Subdiv:** **Lot#:**

# of BDR: 3 **Daily Flow:** 360 **gal/day** **L.T.A.R.:** 0.30 **gal/day/sq.ft**

Septic Tank: 1000 **gals** **Pump Tank:** 1000 **gals** **Sq. Foot:** 900 **Stone Depth:**

Number of Taps: 4 **Length of Trenches:** 300 **ft(See Tap Chart for Details)**

Depth of Trenches: 16 **in** **Manifold Length:** 42 **in**

Manifold Diameter: 4in sch 80pvc Manifold **Tap Configuration: 6 in spacing** 1 **side(s) of manifold**

Supply Line: length: 140 **ft** **Diameter:** 2 **in sch 40pvc**

Friction Loss + Fitting Loss: 3.56 **ft(supply line length + 70' for fittings in pump tank)**

Design Head: 2 **ft** **Elevation Head:** 8.45 **ft**

Total Head: 14.01 **ft** **Pump to Deliver:** 26.81 **gals/min at** 14.01 **ft head**

Dosing Volume: 137 **gals,**

Drawdown: 137 **gals divided by** 20 **gals/in =** 6.8 **inches**

TAP CHART

Bench Mark	2.9	is = 100.00	set at				**Design Head:**	2	
Pump tank elev.		0	97.05	**Pump elev.**	92.05		**Manifold elev.**	100.50	
line	**color**	**rod read**	**Elevation**	**length**	**hole size**	**flow/tap**	**gal/day**	**trench area**	**LINE LTAR**
1	White	3.40	99.50	60	1/2in SCH 80	5.48	73.58	180	0.409
2	Yellow	3.85	99.05	80	1/2in SCH 40	7.11	95.47	240	0.398
3	Red	4.30	98.60	80	1/2in SCH 40	7.11	95.47	240	0.398
4	Blue	4.55	98.35	80	1/2in SCH 40	7.11	95.47	240	0.398
		total	**feet =**	**300**	**gal/min =**	**26.81**		**LTAR =**	**0.30**
% of Dose Vol.		70		**Des. Flow**	360			**(ltar + 5%)**	0.32
Dose Volume		137		**Pump Run=**	13.43			**(ltar W/ INOV)**	0.40
Dose Pump Time		5.09		**Tank Gal/IN**	20			**(ltar + 5%)**	0.42
Drawdown in Inches		6.8		**Elev. Head**	8.45				
Supply Line Length		50							

GOULDS PUMPS



Submersible Effluent Pump

MODEL 3885

WE Series

PROSURANCE AVAILABLE FOR RESIDENTIAL APPLICATIONS.

APPLICATIONS

Specifically designed for the following uses:

- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

SPECIFICATIONS

Pump

- Solids handling capabilities: ¾" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 140 GPM.
- Total heads: up to 128 feet TDH.
- Temperature: 104°F (40°C) continuous 140°F (60°C) intermittent.
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

FEATURES

■ **Impeller:** Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

■ **Casing:** Cast iron volute type for maximum efficiency. 2" NPT discharge.

■ **Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE** sealing faces. Stainless steel metal parts, BUNA-N elastomers.

■ **Shaft:** Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

■ **Fasteners:** 300 series stainless steel.

■ Capable of running dry without damage to components.

■ Designed for continuous operation when fully submerged.

MOTORS

■ Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.

■ Class B insulation on ⅓-1½ HP models.

■ Class F insulation on 2 HP models.

Single phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- SJTOW or STOW severe duty oil and water resistant power cords.
- ⅓ and ½ HP models have NEMA three prong grounding plugs.
- ¾ HP and larger units have bare lead cord ends.

Three phase (60 Hz):

- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.

■ **Designed for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.

■ **Bearings:** Upper and lower heavy duty ball bearing construction.

■ **Power Cable:** Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.

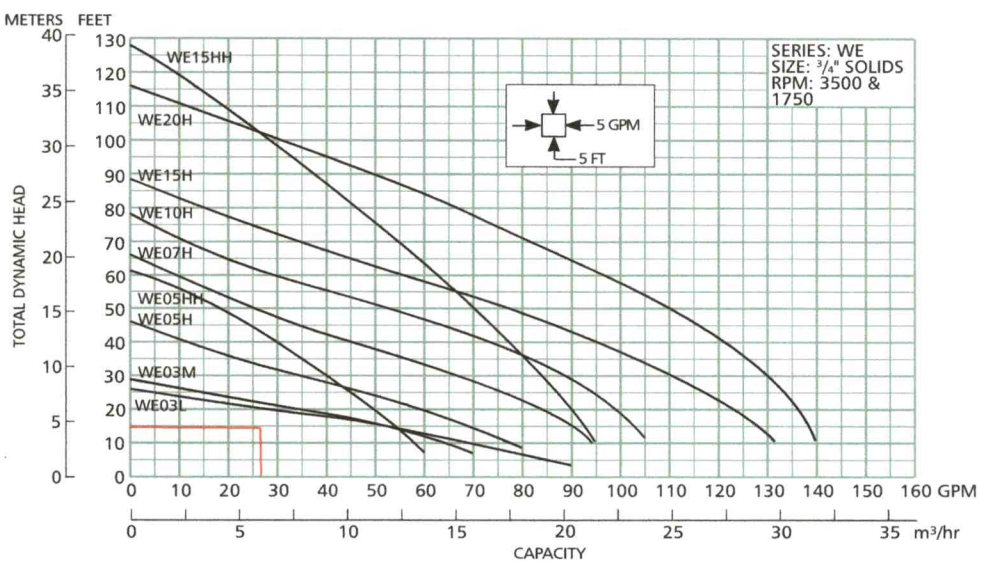
■ **O-ring:** Assures positive sealing against contaminants and oil leakage.

AGENCY LISTINGS

C SP® US

Tested to UL 778 and CSA 22.2 108 Standards By Canadian Standards Association File #LR38549

Goulds Pumps is ISO 9001 Registered.



Goulds Pumps

ITT Industries

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GOULDS PUMPS

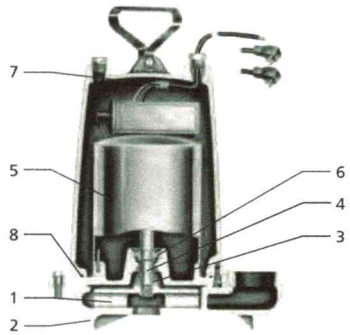
Submersible Effluent Pump

MODEL 3885

WE Series

COMPONENTS

Item No.	Description
1	Impeller
2	Casing
3	Mechanical Seal
4	Motor Shaft
5	Motor
6	Ball Bearings
7	Power Cable
8	Casing O-Ring



MODELS

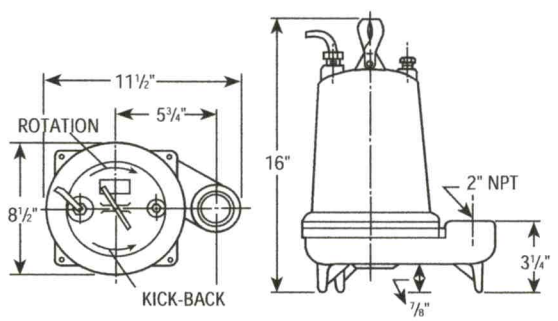
Order No.	HP	Volts	Phase	Max. Amp.	RPM	Solids	Wt. (lbs.)
WE0311L	1/3	115	1	10.7	1750	¾"	56
WE0318L		208		6.8			
WE0312L		230		4.9			
WE0311M		115		10.7			
WE0318M		208		6.8			
WE0312M		230		4.9			
WE0511H	½	115	1	14.5	3500	¾"	60
WE0518H		208		8.1			
WE0512H		230		7.3			
WE0538H		200	3	4.9			
WE0532H		230		3.3			
WE0534H		460		1.7			
WE0537H		575		1.4			
WE0511HH		115	1	14.5			
WE0518HH		208		8.1			
WE0512HH		230		7.3			
WE0538HH		200	3	4.9			
WE0532HH		230		3.6			
WE0534HH		460		1.8			
WE0537HH		575		1.5			
WE0718H	¾	208	1	11.0			70
WE0712H		230		10.0			
WE0738H		200	3	6.2			
WE0732H		230		5.4			
WE0734H		460		2.7			
WE0737H		575		2.2			
WE1018H	1	208	1	14.0			
WE1012H		230		12.5			
WE1038H		200	3	8.1			
WE1032H		230		7.0			
WE1034H		460		3.5			
WE1037H		575		2.8			
WE1518H	1½	208	1	17.5			80
WE1512H		230		15.7			
WE1538H		200	3	10.6			
WE1532H		230		9.2			
WE1534H		460		4.6			
WE1537H		575		3.7			
WE1518HH		208	1	17.5			
WE1512HH		230		15.7			
WE1538HH		200	3	10.6			
WE1532HH		230		9.2			
WE1534HH		460		4.6			
WE1537HH		575		3.7			
WE2012H	2	230	1	18.0			83
WE2038H		200	3	12.0			
WE2032H		230		11.6			
WE2034H		460		5.8			
WE2037H		575		4.7			

PERFORMANCE RATINGS (gallons per minute)

Order No.		WE03L	WE03M	WE05H	WE07H	WE10H	WE15H	WE05HH	WE15HH	WE20H
Total Head Feet of Water	HP	1/3	1/3	1/2	3/4	1	1½	1/2	1½	2
	RPM	1750	1750	3500	3500	3500	3500	3500	3500	3500
	5	86	–	–	–	–	–	–	–	–
	10	70	63	78	–	–	–	58	–	–
	15	52	50	70	90	–	–	53	–	–
	20	27	35	60	83	98	123	49	90	136
	25	–	–	48	76	94	117	45	87	133
	30	–	–	35	67	88	110	40	83	130
	35	–	–	20	57	82	103	35	80	126
	40	–	–	–	45	74	95	30	77	121
	45	–	–	–	35	64	86	25	74	116
	50	–	–	–	25	53	77	–	70	110
	55	–	–	–	–	40	67	–	66	103
	60	–	–	–	–	30	56	–	63	96
	65	–	–	–	–	20	45	–	58	89
	70	–	–	–	–	–	35	–	55	81
	75	–	–	–	–	–	25	–	51	74
	80	–	–	–	–	–	–	–	47	66
	90	–	–	–	–	–	–	–	37	49
	100	–	–	–	–	–	–	–	28	30

DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)



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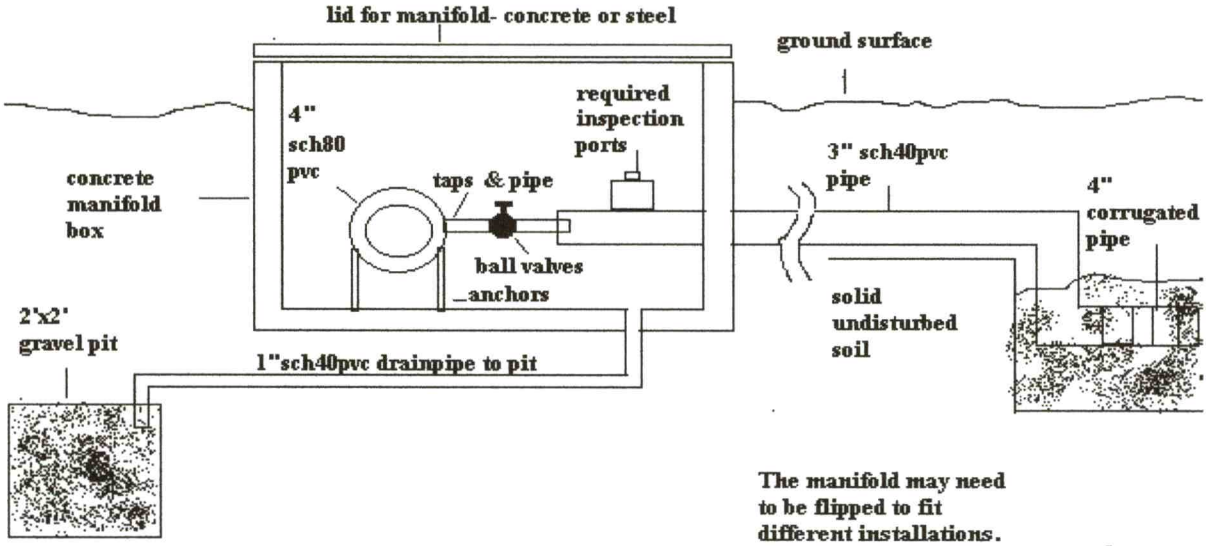
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Goulds Pumps

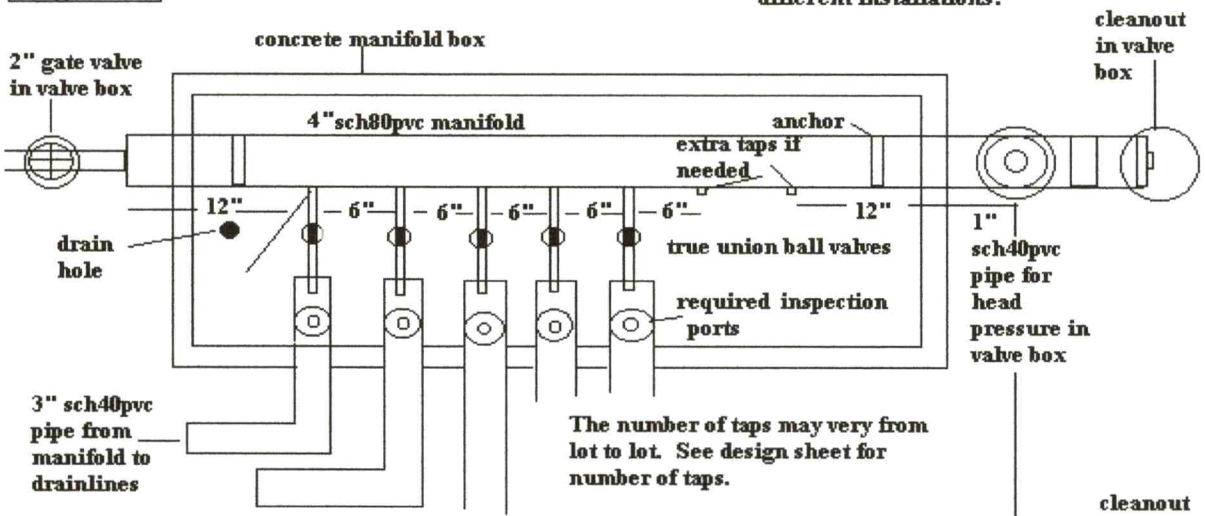
ITT Industries

Three Oaks Engineering, Inc.
Drive324 Blackwell Street, Suite 1200
Durham, NC 27701

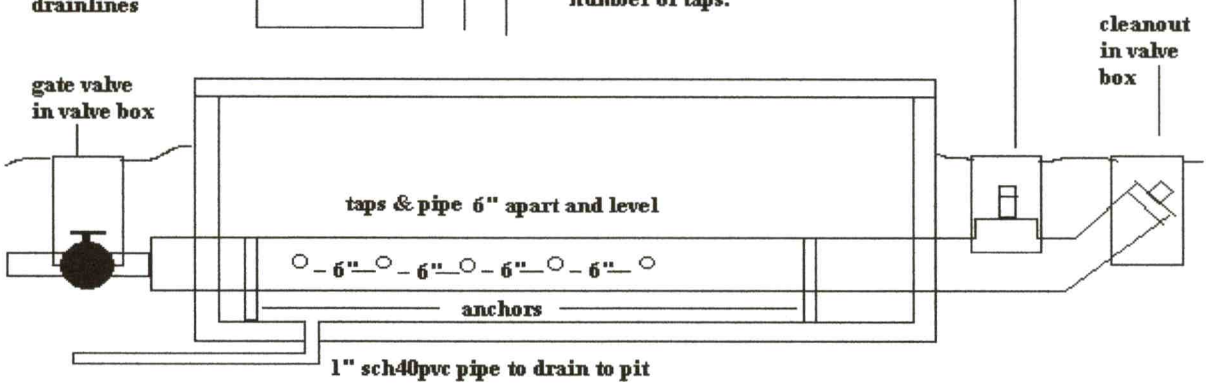
149 Gemstone
Statesville, NC



The manifold may need to be flipped to fit different installations.



The number of taps may very from lot to lot. See design sheet for number of taps.



INFILTRATOR®
water technologies

Quick4 PLUS™ CHAMBER SYSTEMS

The Quick4® Plus Equalizer 36 Low Profile (LP) Chamber

Quick4 Plus™ Series

The Quick4 Plus Equalizer 36 Low Profile (LP) offers maximum strength through its two center structural columns. This chamber can be installed in a 24-inch-wide trench. It is 4 inches shorter in height than other Equalizer 36 model chambers, allowing for shallower installation. Like the original line of Quick4 chambers, it offers advanced contouring capability with its Contour Swivel Connection™, which permits turns up to 15°, right or left. The Quick4 Plus All-in-One 8 and Quick4 Plus Endcaps provide increased flexibility in system design and configurations.



Maximum Strength

Quick4 Plus Equalizer 36 LP Chamber Specifications

Size 22"W x 53"L x 8"H (559 mm x 1346 mm x 203 mm)
Effective Length 48" (1219 mm)
Louver Height 6.3" (160 mm)
Storage Capacity 20 gal (76 L)
Invert Height 3.3" (84 mm), 9.6" (244 mm)



Quick4 Plus Equalizer 36 Low Profile (LP) Chamber Benefits:

- Low profile design makes this chamber ideal for shallow applications
- Reduces imported fill needed for cap and fill systems
- Two center structural columns offer superior strength
- Advanced contouring connections
- Latching mechanism allows for quick installation
- Four-foot chamber lengths are easy to handle and install
- Supports wheel loads of 16,000 lbs/axle with 12" of cover



Quick4 Plus All-in-One Periscope Benefits:

- Allows for raised invert installations
- 180° directional inletting
- 12" raised invert is ideal for serial applications



Quick4 Plus All-in-One 8 Endcap Benefits:

- May be used at the end of chamber row for an inlet/outlet or can be installed mid-trench
- Mid-trench connection feature allows center feed inletting of chamber rows
- Center-feed connection allows for easy installation of serial distribution systems
- Variable pipe connection options allow for side, end or top inletting
- Piping drill points are set for gravity or pressure pipe



Quick4 Plus Endcap Benefits:

- Simple, flat design
- Allows installation of a pipe from the end only
- Piping drill points are set for gravity or pressure pipe

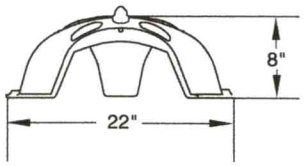
Certified by the International Association of Plumbing and Mechanical Officials (IAPMO)

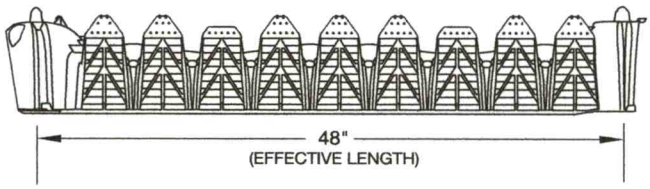
IAPMO R&T

APPROVED in _____

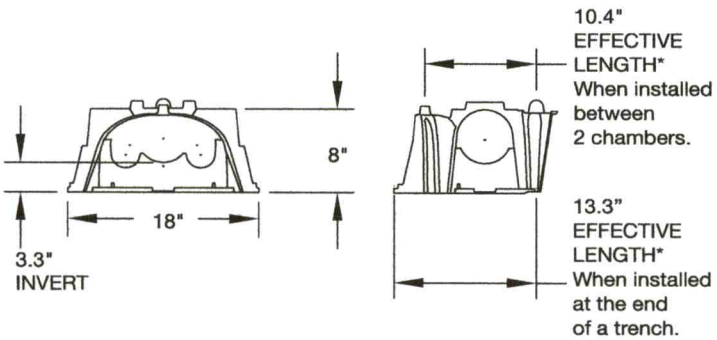
Quick4 Plus™ Series

Quick4 Plus Equalizer 36 Low Profile Chamber

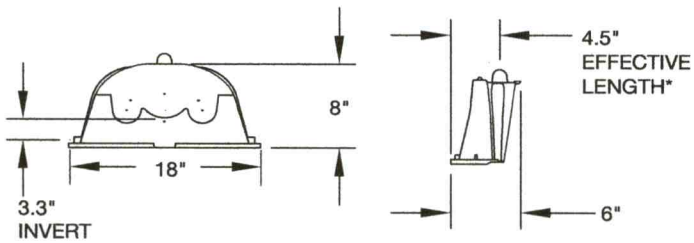




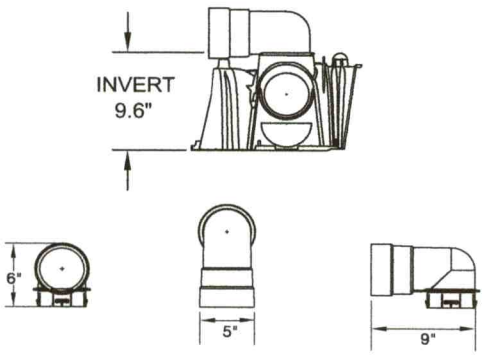
Quick4 Plus All-in-One 8 Endcap



Quick4 Plus Endcap



Quick4 Plus All-in-One Periscope



INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, endcap and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Infiltrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty. Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.

INFILTRATOR®
water technologies

4 Business Park Road
P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • Fax 860-577-7001
1-800-221-4436
www.infiltratorwater.com

U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending.
Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Water Technologies. Infiltrator is a registered trademark in France. Infiltrator Water Technologies is a registered trademark in Mexico.
Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Water Technologies.
PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc.
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PLUS06 0713

Contact Infiltrator Water Technologies' Technical Services Department for assistance at 1-800-221-4436

SL-2018-114 LSS Evaluation

149 Gemstone Drive
Statesville, NC

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).

Owner's Signature — Date

Stan W Priddy — 8/3/21

Owner's Legal Representative Signature — Date

Michael G. Wood — August 3, 2021

LSS Signature — Date



Three Oaks Engineering
324 Blackwell Street, Suite 1200
Durham, NC 27701

PROPERTY ID #: 4705-86-0336
COUNTY: IREDELL

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

OWNER: STONE EDGE INC
ADDRESS:
PROPOSED FACILITY: RES. PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 149 GEMSTONE DRIVE, STATESVILLE, NC 28625
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE
DATE EVALUATED: 7-1-21
PROPERTY SIZE: 0.459
PROPERTY RECORDED:

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/3	0-11	GR/cl/FR	SS, SP, SE	–	>42"	–	–	PS 0.3
		11-42+	SBK/C/FI	SS, SP, SE					
2	LS/3	0-14	SBK/cl/VFR	SS, SP, SE	–	>38"	–	>38" (ROCK)	PS 0.3
		14-38	SBK/C/FI	SS, SP, SE					
		38+	A.R						
3	LS/3	0-10	SBK/cl/VFR	SS, SP, SE	–	>42"	–	–	PS 0.3
		10-42+	SBK/C/FI	SS, SP, SE					
4	LS/3	0-11	SBK/cl/VFR	SS, SP, SE	–	>42"	–	–	PS 0.3
		11-42+	SBK/C/FI	SS, SP, SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	ACCEPTED	PPB PS
Site LTAR	0.30	0.30

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PROV. SUIT.
EVALUATED BY: M. WOOD
OTHER(S) PRESENT:

LICENSED SOIL SCIENTIST MICHAEL G. WOOD 1219 STATE OF NORTH CAROLINA

Updated February 2014

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE
OR IT WILL NOT BE PROCESSED

Iredell County Health Department – Environmental Health Division

SEPTIC

PAGE 1: APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (✓) 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
Please see (2) boxes whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Cobblestone II Properties Address: 259 Textile Way Ft Mill SC Zip: 29715
Applicant Email: Stan@cobblestoneII.com Phone: 704 301 3229 Alt. Phone: X
Owner Name: Catawba River Investments Address: 259 Textile Way Ft Mill, SC Zip: 29715
Owner Email: N/A Phone: N/A Alt. Phone: N/A

Property Information:

Street Address: 149 Gemstone Drive PIN # 470 586 0336
Subdivision Name: Stone Edge Section/Phase: _____ Lot Number: 10
Driving Directions: Newton Drive / Right onto US-64 for 5 miles / Left onto Leppard Farm / Left on Stone Edge Rd / Left Gemstone

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

(✓) 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: 5
( ) Swimming Pool
( ) Other Addition/Structure: _____

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

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: 1 Number of Persons: _____

( ) 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: Stan Cooley 8/4/21
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

(Check and sign only ONE of the options below)

1. *** APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

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.

2. I, PAM HARDING/BULLER RIVER, am the legal owner(s) of the property located at 149 GEMSTONE DRIVE, identified as

PIN (Parcel Identification Number) 470 586 0336 located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) STAN PRESSLEY/CORNERSTONE III _____, 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.

Pam Harding/Buller River Dev. Signature of Owner(s) — 8/4/21 Date

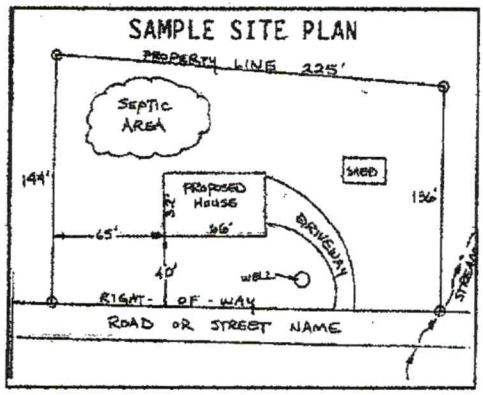
Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

IREDELL COUNTY 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:

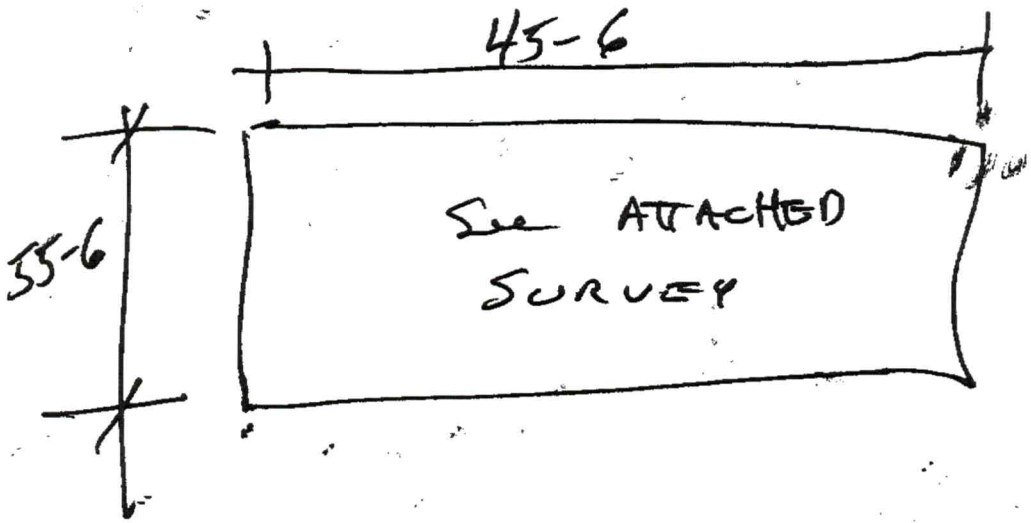
- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location
- (X) Preferred well location
- (X) Preferred septic system location
- (X) North arrow, or other sufficient indicator 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



Signature: Stan Crowley **8/4/21**

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

DocuSign Envelope ID: F1D99999-A884-4EB4-939A-68FC28E92DC7

NOTICE

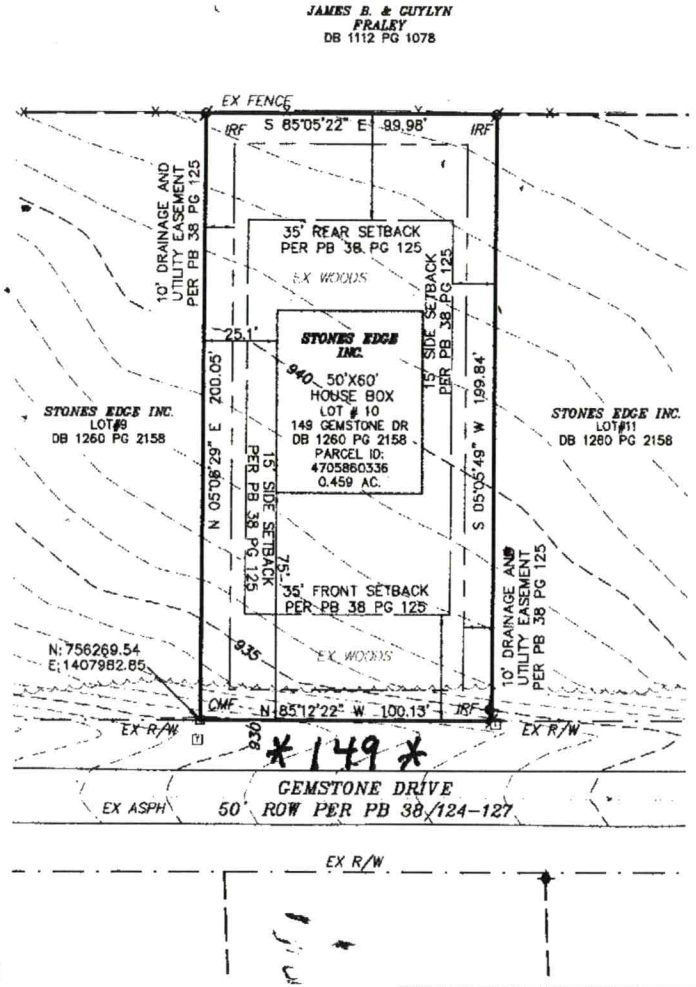
- ALL DISTANCES ARE HORIZONTAL GROUND IN U.S. SURVEY FEET UNLESS OTHERWISE SHOWN.
- BEARINGS BASED ON NAD83, VERTICAL ELEVATIONS BASED NAVD88.
- REFERENCES: PB 38 PG 125
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- UNDERGROUND UTILITIES ARE SHOWN ONLY WHERE ABOVEGROUND SERVICES WERE VISIBLE.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
- THE EXISTENCE OR NONEXISTENCE OF WETLANDS ON SUBJECT PROPERTY HAS NOT BEEN DETERMINED BY THIS SURVEY.
- SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS, AND OR ENCUMBRANCES THAT MAY EFFECT THIS PROPERTY.
- THIS PLAT WAS DRAWN FOR THE EXCLUSIVE USE OF PARTY NAMED HEREON. SAID CERTIFICATES DO NOT EXTEND TO ANY UNNAMED PERSON WITHOUT AN EXPRESS REFORTIFICATION BY THE SURVEYOR NAMING SAID PERSON.
- THIS PLAT REPRESENTS AN ACTUAL FIELD SURVEY THAT MEETS OR EXCEEDS THE MINIMUM REQUIREMENTS OF A CLASS C SURVEY IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA ACCORDING TO NORTH CAROLINA ADMINISTRATIVE CODE TITLE 21, CHAPTER 56, SECTION 1600.

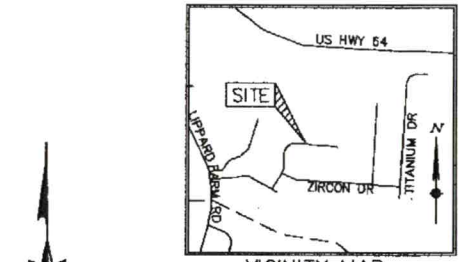
I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN DEED BOOK AS SHOWN); THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DASHED LINES; THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY IS 1:10,000; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600).

THIS 21TH DAY OF JUNE, 2021

DocuSigned by:
W. Andrew Eades
4439B6718A3462...

W. ANDREW EADES L-3413
PROFESSIONAL LAND SURVEYOR





VICINITY MAP
NOT TO SCALE

NC GRID (NAD 83)

LEGEND

- IRON PIPE FND
- IRON ROD FND
- IRON ROD SET
- TELEPHONE PEDESTAL
- POWER POLE
- BOUNDARY LINE
- ADJOINER LINE
- RIGHT-OF-WAY
- EDGE OF PAVEMENT
- FENCE
- ROADWAY ℄
- EX WOODED AREA

NORTH CAROLINA PROFESSIONAL SEAL L-3413 LAND SURVEYOR W. ANDREW EADES

40 0 40 80
GRAPHIC SCALE (IN FEET)
1 inch = 40 ft.

LOT SURVEY FOR:
BULLER RIVER DEVELOPMENT PARTNERS, LP

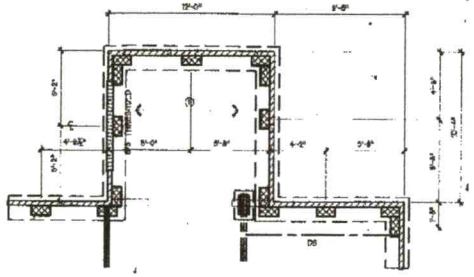
STONES EDGE
LOT #10
CONCORD TOWNSHIP IREDELL COUNTY, NC

SCALE: 1" = 40' | DATE: 06/21/2021

PLS WAE
TECH ALR
CHKED WEH

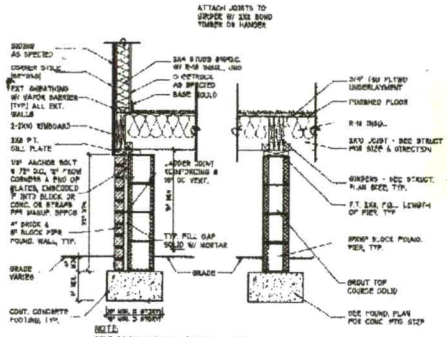
McKIM & CREED
8020 TOWER POINT DRIVE
CHARLOTTE, NORTH CAROLINA 28227
TELEPHONE: (704) 841-2588
FAX: (704) 841-2567
NORTH CAROLINA FIRM LICENSE NUMBER: F-1222

JOB NO. 083450001
SHEET NO. 1 OF 1

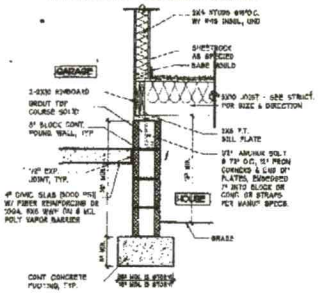


2/20 OPT. SUNROOM FOUNDATION PLAN

SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE)
SCALE: 1/4"=1'-0" (24"X36" SHEET SIZE)



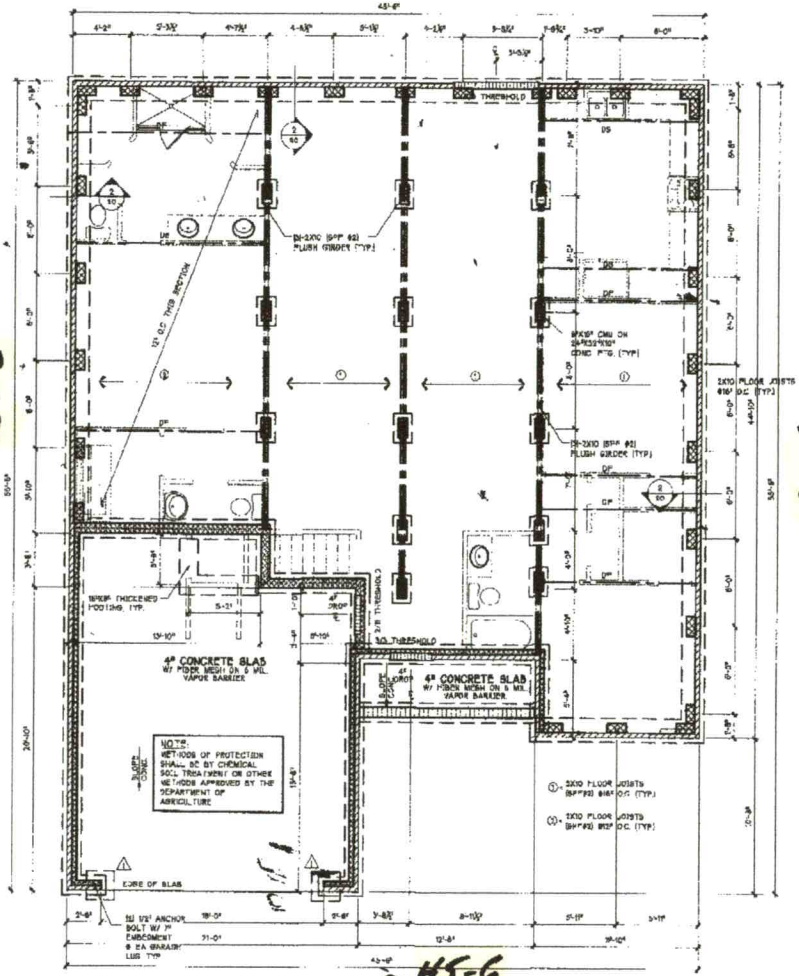
5/20 MAIN HOUSE - CRAWL W/ SIDING DETAIL



4/20 TYP. GARAGE WALL TO HOUSE CONNECTOR

* ELEVATION *
"A"

45-6



55-6

55-6

45-6

1/20 ELEVATION "A" & "D" FOUNDATION PLAN

SCALE: 1/8"=1'-0" (11"X17" SHEET SIZE)
SCALE: 1/4"=1'-0" (24"X36" SHEET SIZE)

LEGEND

- 3'0"x3'0"x12" CONC. FTG.
- 3'0"x3'0"x12" CONC. FTG. W/ 4-#4's EA.
- 3'6"x3'6"x12" CONC. FTG. W/ 4-#4's EA.
- 3'6"x3'6"x12" CONC. FTG. W/ 4-#4's EA.
- 4'0"x4'0"x12" CONC. FTG. W/ 4-#4's EA.
- 4'0"x4'0"x12" CONC. FTG. W/ 5-#4's EA.
- 3'6"x6'0"x12" CONC. FTG. W/ #4's @ 8" O.C. EW.
- 4'0"x6'0"x12" CONC. FTG. W/ #4's @ 8" O.C. EW.
- 45° M REBAR, TYP.

FOUNDATION NOTES:

- ALL ANGLED WALL ARE 45 DEGREES OR 90 DEGREES UNLESS NOTED OTHERWISE
- GARAGE SLAB TO BE 4" THICK CONCRETE (3000 PSI MIN) W/ FIBER MESH OR 6 MIL. VAPOR BARRIER.
- PROVIDE 6-MIL POLY-VAPOR BARRIER BELOW ALL CONCRETE SLABS.
- WHEN DOOR IS REVERSED, WASHER AND DRYER RECEPTS TO REMAIN ORIENTED WITH WASHER ON LEFT AND DRYER ON RIGHT
- CONTRACTOR TO VERIFY ALL DIMENSIONS.
- FOUNDATION DIMENSIONS ARE MEASURED FROM OUT TO OUT OF BRICK. SEE FRAMING PLANS FOR FRAMING DIMENSIONS.
- DO NOT SCALE DIMENSIONS FROM PRINTS. PLANS & DETAILS ARE NOT ALWAYS DRAWN TO SCALE. USE DIMENSIONS GIVEN.

NORTH CAROLINA PROFESSIONAL SEAL 041909 ENGINEER SETH J. WHEELER

NORTH CAROLINA RESIDENTIAL STRUCTURES PC No. 3295 CERTIFICATE OF AUTHORIZATION

RESIDENTIAL STRUCTURES, P.C.
3410 N. Davidson St.
Charlotte, N.C. 28205
Seal For Structural Only

CORNERSTONE III PROPERTIES
4509 FAITH CHURCH RD
INDIAN TRAIL, NC 28079
(704) 577 - 4002

PROJECT TITLE
ST. CHARLES RESIDENCE

PROJECT NUMBER
ISSUE DATE

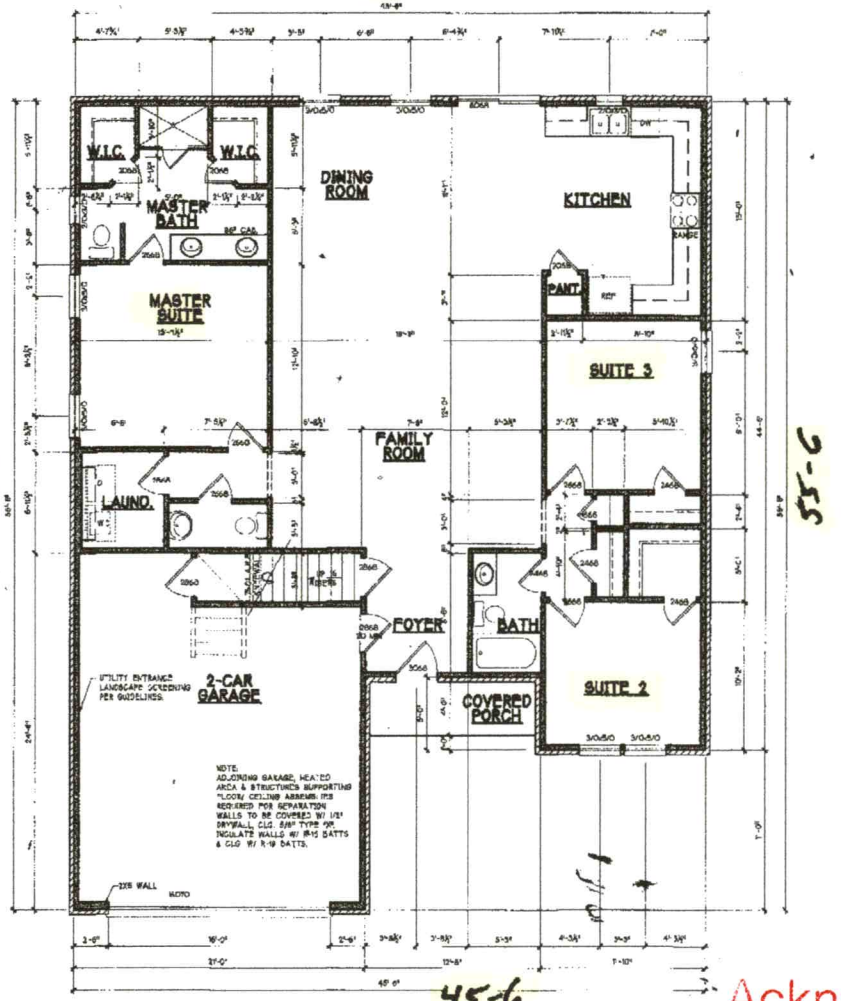
DRAWING DATA
DRAWN BY: CORNERSTONE III
CHECKED BY: STAN PRESLEY
FILE NUMBER: 20-087.CHARLES

SHEET TITLE
ELEV. "A"&"D" FOUNDATION PLAN

SHEET NUMBER
F2.0A

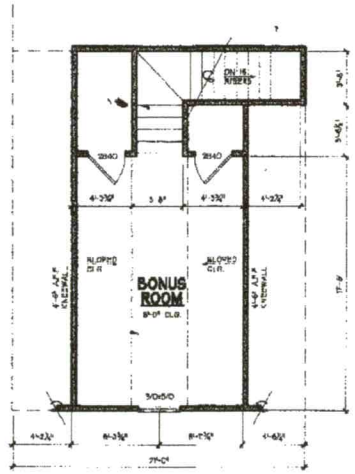
Acknowledgement Of
Plans Submittal ONLY!
Stan Presley Date 10/6
Bryant C. White Date 9-13-2021

45-6



1 / 4.0 FIRST FLOOR PLAN

SCALE: 1/4"=1'-0" (11"X17" SHEET SIZE)
SCALE: 1/2"=1'-0" (22"X36" SHEET SIZE)



3 / 4.0 SECOND FLOOR PLAN

SCALE: 1/4"=1'-0" (11"X17" SHEET SIZE)
SCALE: 1/2"=1'-0" (22"X36" SHEET SIZE)

FIRST FLOOR NOTES:

- FULL 4" OR 6" EXTERIOR WALL WERE USED IN DETERMINING DIMENSIONS ON PLANS.
- FRAMERS SHALL START ALL WALL LAYOUTS FROM THE REAR OF THE HOUSE.
- ALL ANGLED WALL ARE 45 DEGREES OR 90 DEGREES UNLESS NOTED OTHERWISE.
- ALL OVERALL DIMENSIONS SHALL BE FROM OUT TO OUT OF FRAMING, INTERIOR DIMENSIONS SHALL BE FROM ONE SIDE OF STUD
- ALL INTERIOR DOORS ARE 4" FROM WALL UNLESS NOTED OTHERWISE.
- WHEN HOUSE IS REVERSED, WASHER AND DRYER HOOKUPS TO REMAIN DESIGNATED WITH WASHER ON LEFT AND DRYER ON RIGHT.
- MASTER MOUNTS SHALL BE PLACED ON ALL EXTERIOR LIGHTS AND HOSE BIBBS.
- FRAMED CAVITY WALLS BE TUB& SHOWERS, STAIRS & FIREPLACES SHALL BE INSULATED WITH AIR BARRIER PER ENERGY CODE
- ANY WINDOW W/ A SILL OF LESS THAN 24" AFF OR EQUAL TO OR GREATER THAN 72" DFF MUST HAVE WOOD & MAY BE SUBJECT TO FALL PROTECT R312.
- ALL SHEETROCK OPENING SHALL BE 12" BELOW CEILING TYP, U.N.O.
- ALL PANTRY/LINEN SHALL HAVE (5) 12" SHELVES TYP, U.N.O.

SQUARE FOOTAGE:

1ST FLR	1907 SQ. FT.
2ND FLR	731 SQ. FT.
TOTAL HEATED	2238 SQ. FT.
FRONT PORCH	44 SQ. FT.
TOTAL UNHEATED	44 SQ. FT.
2-CAR GAR	488 SQ. FT.
TOTAL UNDER ROOF	2782 SQ. FT.

Acknowledgement Of
Plans Submittal ONLY!

Stan Presley Date 10/8/21

Burnt Chimney Date 9-13-2021

CORNERSTONE III PROPERTIES
4509 FAITH CHURCH RD
INDIAN TRAIL, NC 28079
(704) 577 - 4002

PROJECT TITLE
ST. CHARLES RESIDENCE

PROJECT NUMBER
ISSUE DATE

DRAWING DATA
DRAWN BY: CORNERSTONE III
CHECKED BY: STAN PRESLEY
FILE NUMBER: 20-3307.CHARLES

SHEET TITLE
ELEV. "F"
FLOOR PLAN

SHEET NUMBER
4.0B