BLDR-2022-9934

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # [redacted]-OSWP-2022-0434

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

PIN # 4713-86-1977

APPLICANT/OWNER: Helmsman Homes APPLICANT ADDRESS: PO Box 3965, Mooresville NC 28117

SITE ADDRESS: 158 Greenwich Dr, Statesville, NC 28677 PHONE: 980-500-1251 ALT. PHONE

SITE DIRECTIONS: Old Mountain → (R) Bethlehem → (R) Heathrow → Greenwich → lot on (R) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: The Landings SECTION: LOT # 21 LOT AREA: 0.448 ac DESIGN FLOW: 360 L.T.A.R.: 0.25

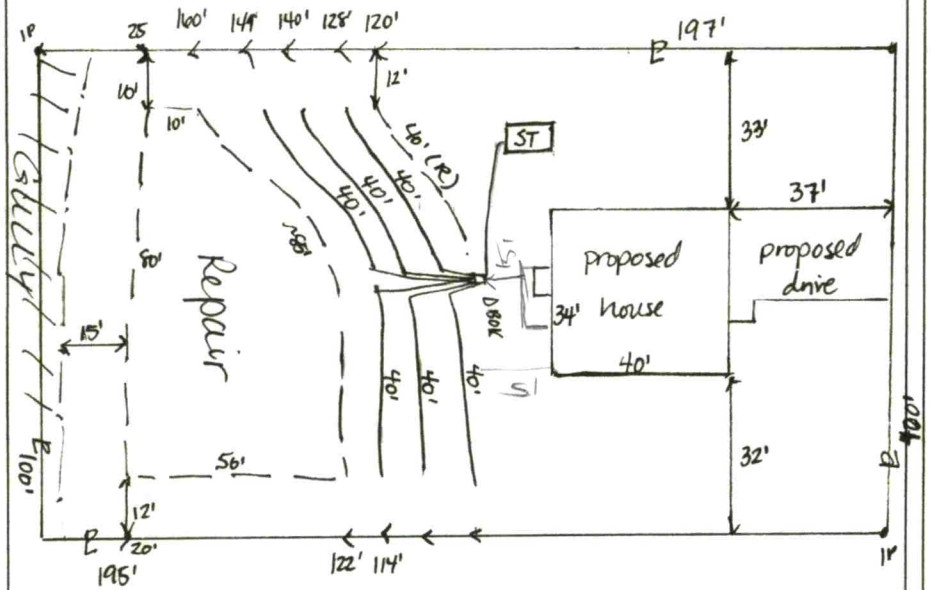
Septic Tank	1000	(gal)	STB	7000	Date	5/22/23	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank		(gal)	PT		Date		System Description:	50% Reduction - HPPBPS	☐ Business	No. Persons 6	☐ Private
Pump Make			Model		Serial #		Repair System Description:	50% Reduction - HPPBPS	☐ Other	No. Employees	☒ Public
# Nitrification Fields		# Lines	6	Linear Ft	240'	Maintenance Agreement Required:	☐ YES ☒ NO		☒ Slab	☐ Crawl Space	☐ Community
Trench Width	36"	Trench Bottom Depth	22" max	Gravel Depth	N/A		☒ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield. Feed all lines equally. Use approved Group III soil to achieve cover of 16" across field.

Excessive cuts or fill in drainfield will cause permit to be revoked
Use 8' centers

INITIAL SITE SKETCH

1"=40' IP = iron pin



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.

Lines CW 7/11/23

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: Energor Date: Installed by: Rowan Septic

IMPROVEMENT PERMIT by: D. Wiebers Date: 9/28/22 OPERATION PERMIT by: D. Webers Date: 7/18/23

AUTHORIZATION TO CONSTRUCT by: D. Webers Date: 10/19/22 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? _____	

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP OSWP-2022-034

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

PIN # 4713 -- 86 -- 1977

APPLICANT/OWNER: Helmsman Homes APPLICANT ADDRESS: PO Box 3965, Mooresville NC 28117

SITE ADDRESS: 158 Greenwich Dr, Statesville, NC 28677 PHONE: 980-500-1251 ALT. PHONE

SITE DIRECTIONS: Old Mountain → (R) Bethlehem → (R) Heathrow → Greenwich → lot on (R) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: The Landings SECTION: LOT # 21 LOT AREA: 0.448 ac DESIGN FLOW: 360 L.T.A.R.: 0.25

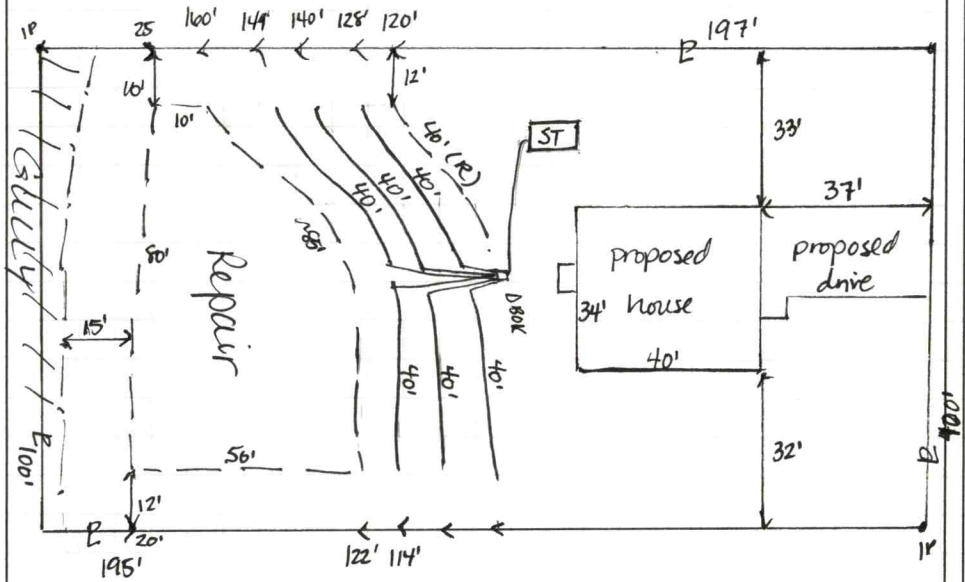
Septic Tank	1000	(gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms	3	**Water Supply**	
Pump Tank		(gal)	PT		Date		System Description:	50% Reduction - HPPBPS			☐ Business	No. Persons	6	☐ Private	
Pump Make			Model		Serial #		Repair System Description:	50% Reduction - HPPBPS			☐ Other	No. Employees		☒ Public	
# Nitrification Fields	1	# Lines	6	Linear Ft	240'		Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space		☐ Community	
Trench Width	36"	Trench Bottom Depth (~~Low Side~~)	22" max	Gravel Depth	N/A		☒ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing			☐ Basement w/o plumbing	

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield. Feed all lines equally. Use approved Group III soil to achieve cover of 6" across field.

Excessive cuts or fill in drainfield will cause permit to be revoked
Use 8' centers

INITIAL SITE SKETCH

1" = 40' IP = iron pin



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.

Lines CW 7/11/23

Greenwich Dr. R/W

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: Energov Date: Installed by: Rowan Septic

IMPROVEMENT PERMIT by: D. Wieberg Date: 9/28/22 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 10/19/22 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? _____	

PERMIT SNAPSHOT REPORT OSWP-2022-0634 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit
Status: In Progress
Valuation: $0.00
Description: New single family, 3 bed, 2.5 bath

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wieberg, Danielle

App Date: 08/04/2022
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4713861977.000 Main
Address: 158 Greenwich Dr Statesville, NC 28677 Main
Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
HELMSMAN HOMES LLC
PO Box 3965
MOORESVILLE, NC 28117
Business: (980) 500-1251
Mobile: (980) 500-1251

Property Owner
HELMSMAN HOMES LLC
PO Box 3965
MOORESVILLE, NC 28117
Business: (980) 500-1251
Mobile: (980) 500-1251

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	28' 9" tall, 34' wide, 40' 4" long	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	3	Number of Occupants	6
Foundation Type	Concrete Slab Foundation	Residential/Business/Other	Residential	Water Supply	New Well
Desired Septic System Type	No Preference	If other septic system type, please explain		Has this project been approved by TRC	No
Lot Acreage	0.45	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	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_Helmsman_Homes_8/4/2022.jpg	08/04/2022 9:12	Ivester, Staci		Uploaded via CSS
Authorization Letter for Permitting_v1.pdf	08/12/2022 11:18	Freeman, Brady	Available Online	Authorize to Act as Agent
Greenwich Dr, 158 (Lot 21) - Plot Plan_v1.pdf	08/12/2022 11:18	Freeman, Brady	Available Online	Site Plan
Greenwich - Owner Authorization_v2.pdf	08/23/2022 14:49	Hart, Ronda	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
2022-11860	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	09/01/2022			08/31/2022 8:19	08/31/2022 8:19

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

2022-14515	Requested	OSWP Site Evaluation	09/22/2022	09/22/2022 0:00	09/22/2022 0:00		

Inspectors: Wieberg, Danielle (Primary)

Linked Record Relationship	Module	Record Number	Linked Record Type	Linked Record Work Class
Parent	Permit	OSWP-2022-0634	Environmental Health OSWP	EH Septic Improvement Permit
Child	Permit	OSWP-2022-0634	Environmental Health OSWP	EH Septic Improvement Permit

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

Sheet 1 of 1
PROPERTY ID #: 4713 80 1977
COUNTY: Iredell

21

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

OWNER: Helmsman Homes — APPLICATION DATE 8/4/22
ADDRESS: PO Box 3965 — DATE EVALUATED: 9/25/22
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: _____
LOCATION OF SITE: 158 Greenacre Dr Statesville — PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	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 15%	0-8	SCL - WSBK	SSSP-FR-SEHP	Sap inc common YB/ drainage - C veins throughout	36"	N/A	N/A	PS 0.25
		8-36	C/CL - SBK	↓					
		36-53	SAP - M - SCL	↓					
			w/ veins						
2	HS 15-20	0-8	SCL - SBK	SSSP-FR-SEHP	WR / Litho < 36 Litho / YB/grey 36"+	36"	U	N/A	TB 24" max 0.25
		8-36	C - SBK	↓					
		36-54	SAP/SCL-M	↓					
3	HS 20%	0-8	SCL - WSBK	SSSP-FR-SEHP	few rock flakes WR bottom corner	60"	N/A	N/A	PS 0.3
		8-38	C SBK	↓					
		38-60	CL - WSBK	↓					
4	FS 20%	0-8	SCL - SBK	SSSP FR SEHP	Clay veins in SAP mottles 34"+	34"	N/A	N/A	MAP 22" FS 0.25
		8-34	C - SBK	"					
		34-60	SAP ↓	SSSP-FR					
			SCL/SAP-M/SBK - SSSP common with YB						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240'	240'
System Type(s)	50%	50%
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): B
EVALUATED BY: D. Webber
OTHER(S) PRESENT: P. Pennington

COMMENTS: Stop correction 8"

Updated February 2014

LEGEND

use the following standard abbreviations

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

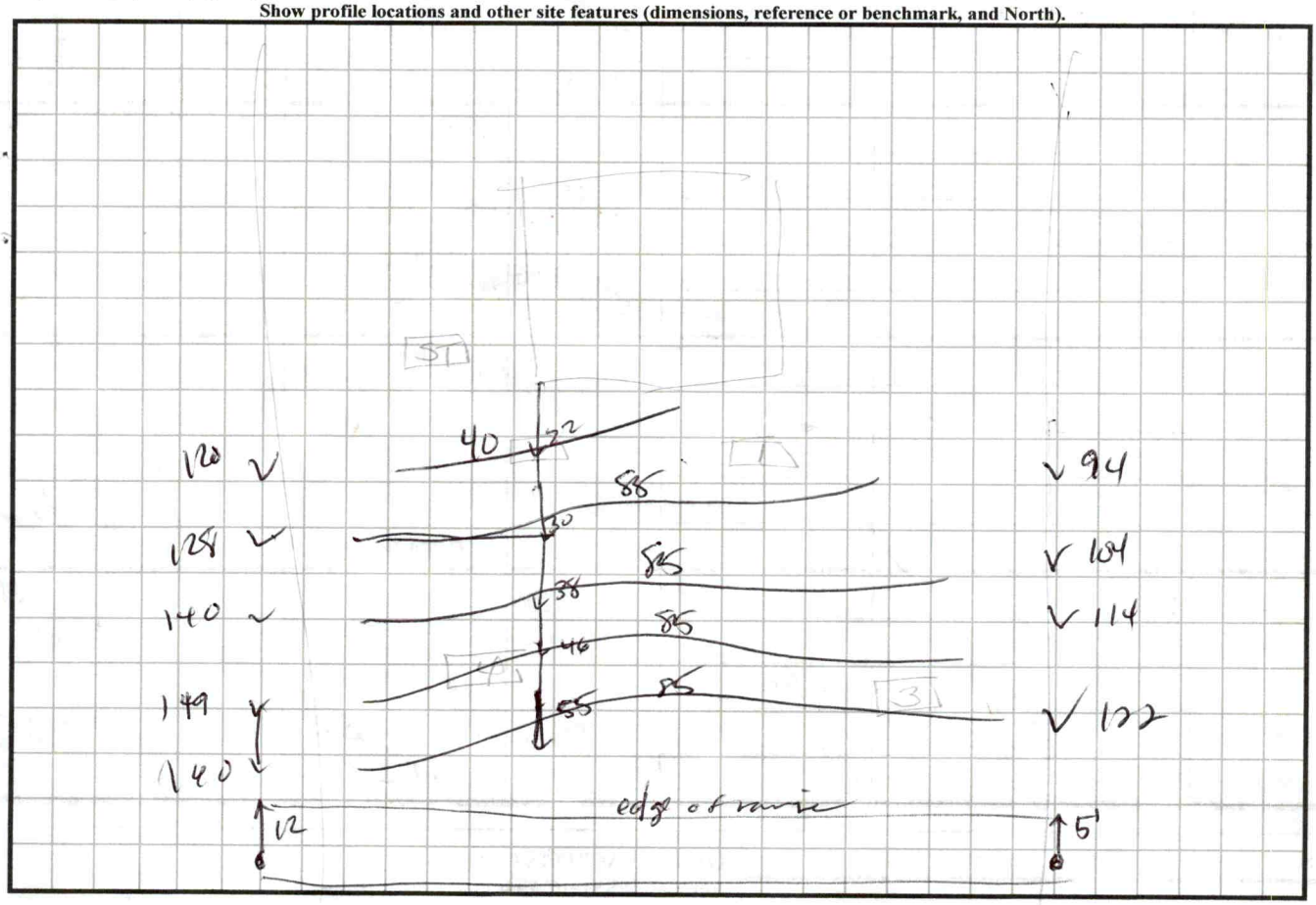
NOTES

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/ft^2

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



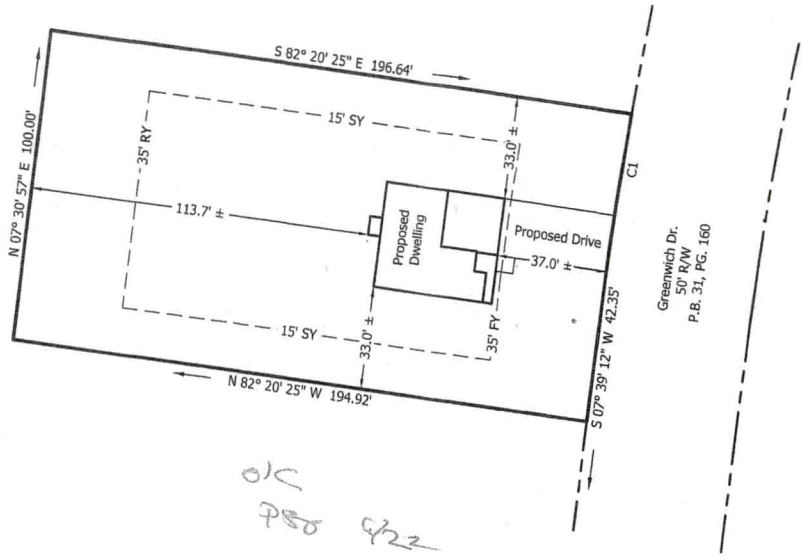
PRELIMINARY FOR REVIEW ONLY

* NOT AN ACTUAL SURVEY *

THIS PLOT PLAN WAS DRAWN FROM EXISTING PLATS AND/OR DEEDS AND A FULL SURVEY WAS NOT PERFORMED AT THIS TIME. ACREAGES AND DISTANCES ARE SUBJECT TO AN ACTUAL SURVEY. A FULL TITLE SEARCH HAS NOT BEEN PERFORMED.

NOTES:

BOUNDARY DATA WAS COMPUTED FROM DEEDS/PLATS AND A SURVEY HAS NOT BEEN PERFORMED AT THIS TIME.





SETBACKS:

PROPERTY CURRENTLY ZONED: RA (IREDELL COUNTY)

PROPERTY SUBJECT TO A 35' FRONT YARD (FY), 15' SIDE YARD (SY) & 35' REAR YARD (RY) AS PER P.B. 31 - PG. 160.

REFERENCE:

BEING ALL OF LOT 21 - THE LANDINGS SUBDIVISION - AS RECORDED IN P.B. 31, PG. 160 - IREDELL COUNTY REGISTRY.

PROPERTY IS SUBJECT TO RESTRICTIVE COVENANTS LISTED IN D.B. 1101 - PG. 1691, D.B. 1115 - PG. 129, D.B. 1166 - PG. 876, D.B. 1352 - PG. 1876, D.B. 2846 - PG. 1718.

PROPERTY IS SUBJECT TO ANY AND ALL ZONING AND PLANNING ORDINANCES, EASEMENTS, RIGHTS-OF-WAY, AND RESTRICTIONS OF RECORD.

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	1,128.63'	57.68'	57.67'	S 09° 07' 26" W

OC
PSO 6/22

NO well
MIDDLE (ish)

THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANNEL NUMBER 3710470200K EFFECTIVE DATE 3/18/2008.

0 40 80 120

LEGEND	
FY	FRONT YARD SETBACK
RY	REAR YARD SETBACK
SY	SIDE YARD SETBACK
R/W	RIGHT OF WAY
P.B.	PLAT BOOK
PG.	PAGE

APPROXIMATE STRUCTURAL/IMPERVIOUS COVERAGE:

APPROXIMATE PROPERTY AREA: 19,532 SF, 0.448 AC.
PROPOSED DWELLING AREA: 1,395 SF, 0.032 AC.
PROPOSED DRIVEWAY AREA: 709 SF, 0.016 AC.
APPROXIMATE STRUCTURAL COVERAGE: 1,395 SF, 0.032 AC, 7.14%
APPROXIMATE IMPERVIOUS COVERAGE: 2,104 SF, 0.048 AC, 10.77%

JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
2351 SIMONTON RD, STATESVILLE, NC 28625
MATT.GRANT@JORDAN-GRANT.COM
704-928-7919
FIRM # P-1227

PLOT PLAN FOR:

Helmsman Homes

DRAWN BY: NS	CHECKED BY: JWE	SCALE: 1" = 40'
PIN NO: 4713-86-1977		
DEED REF: 1047-376		
DATE OF MAP: 03-08-22	SURVEY DATE:	
REVISION:	DRAWING FILE: 20220325_03-10-22	

158 Greenwich Dr., Statesville NC 28677
Shiloh Twsp - Iredell County - North Carolina