BLDR-2023-12616

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 2022-6039

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

PIN # 4713 -- 86 -- 3780

APPLICANT/OWNER: Heinsman Homes LLC APPLICANT ADDRESS: PO Box 3965 Mooresville 28117

SITE ADDRESS: 167 Greenwich Dr Statesville 28677 PHONE: (980) 500-1251 ALT. PHONE –

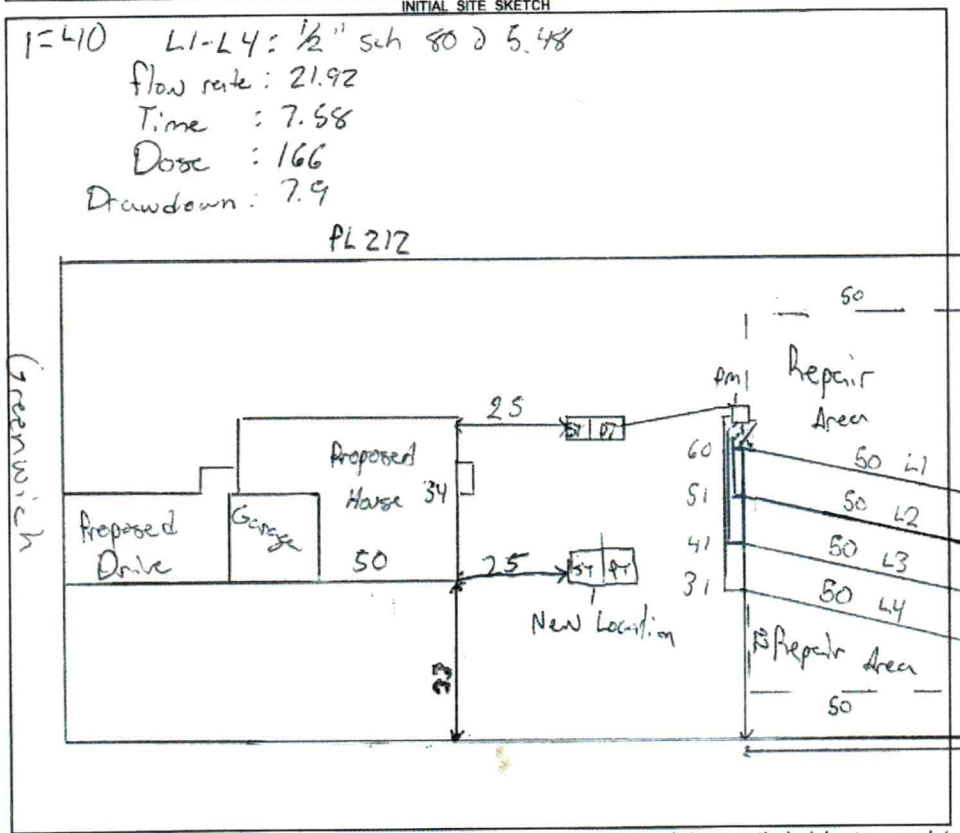
SITE DIRECTIONS: (L) Old Mountain, (L) Bethlehem, (R) Greenwich Dr SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: The Landings SECTION: – LOT # 33 LOT AREA: .49 AC DESIGN FLOW: 360 L.T.A.R.: -3

Septic Tank 1000 (gal)	STB 960	Date 5/15/23	☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI		☑ Residence	No. Bedrooms 3	Water Supply
Pump Tank 1000 (gal)	PT 363	Date 5/15/23	System Description: 50% Reduction - Horizontal		☐ Business	No. Persons 6	☐ Private
Pump Make	Model	Serial #	Repair System Description: 50% Reduction Horizontal		☐ Other	No. Employees	☑ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 200	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	☐ Community
Trench Width 36 in	Trench Bottom Depth lowside 20 in.	Gravel Depth N/A	☐ GRAVITY ☑ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Install on contour with 4ft on center. 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.

Checked
Tanks MW 6/28/23
Lines SB 6/29/23

- Need riser 6" above grade
- Manifold, pumps floats - 7/13/23 DW

ALARM
ELECTRIC SW
RISER

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: Rowan Septic

IMPROVEMENT PERMIT by: Matt Wi Date: 10/28/22 OPERATION PERMIT by: Sarah Williams Date: 9/27/23

AUTHORIZATION TO CONSTRUCT by: Matt Wi Date: 10/28/22 Existing System Inspected by: Date:

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

CW

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # **AP 2022-6039**

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

PIN # 4713 -- 86 -- 3780

APPLICANT/OWNER: Helmsmen Homes LLC APPLICANT ADDRESS: PO Box 3925 Mooresville 28117

SITE ADDRESS: 167 Greenwich Dr Statesville 28677 PHONE: (980) 500-1251 ALT. PHONE –

SITE DIRECTIONS: (L) Old Mountain, (L) Bethlehem, (R) Greenwich Dr SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: The Landings SECTION: – LOT # 33 LOT AREA: .46 AC DESIGN FLOW: 360 L.T.A.R.: -3

Septic Tank 1000 (gal) STB 960 Date 5/15/23
Pump Tank 1000 (gal) PT 363 Date 5/15/23
Pump Make – Model – Serial # –
Nitrification Fields 1 # Lines 4 Linear Ft 200
Trench Width 36 In Trench Bottom Depth Low Side 20 in. Gravel Depth N/A

☑ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: 50% Reduction - Horizontal
Repair System Description: 50% Reduction Horizontal
Maintenance Agreement Required: ☐ YES ☑ NO
☐ GRAVITY ☑ PRESSURE

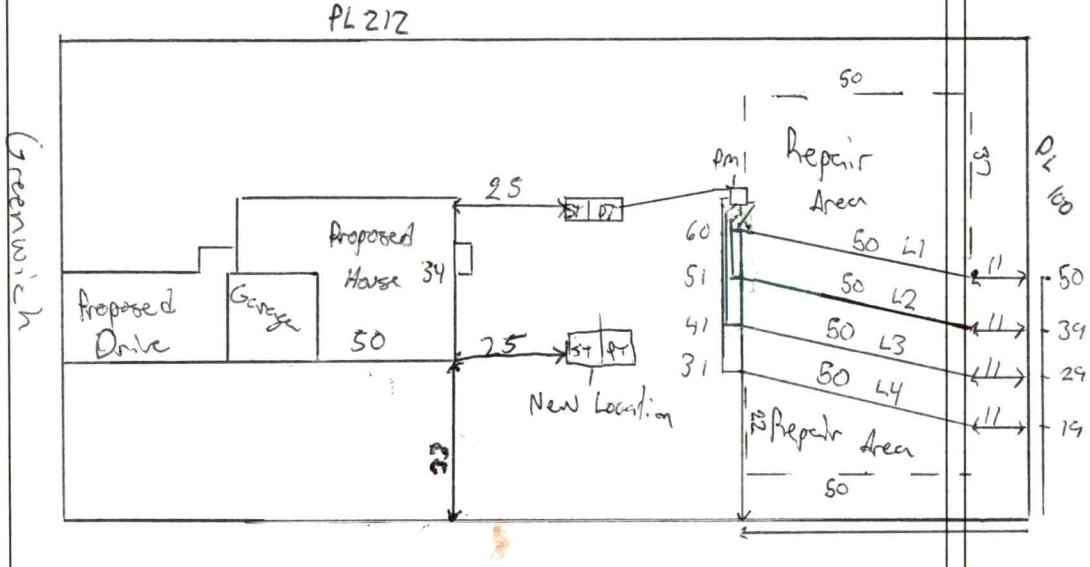
☑ Residence No. Bedrooms 3
☐ Business No. Persons 6
☐ Other No. Employees –
☐ Slab ☑ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply
☐ Private
☑ Public
☐ Community

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

INITIAL SITE SKETCH

1=40 L1-L4: ½" sch 80 @ 5.48
flow rate: 21.92
Time : 7.58
Dose : 166
Drawdown: 7.9



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.

Checked
Tanks MW 6/28/23
Lines SB 6/29/23

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: Online Signature Date: – Installed by: Rowan Sept. c

IMPROVEMENT PERMIT by: Matt Wi Date: 10/28/22 OPERATION PERMIT by: – Date: –

AUTHORIZATION TO CONSTRUCT by: Matt Wi Date: 10/28/22 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? _____	

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

Sheet 1 of 1
PROPERTY ID #: 471386780
COUNTY: Durham

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

OWNER: Helmsman Homes
ADDRESS: 167 Greenwich
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 167 Greenwich Dr
APPLICATION DATE: 10/4/22
DATE EVALUATED: 10/18/22
PROPERTY SIZE: .44AC
PROPERTY RECORDED: PB3

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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 10%	0-7	SCL/Gr	ss sp fr SE	-	61	Heavy sap cut 50		PS .3
		7-30	C/SBK	S P fr SE					
		30-61	CL/WSBK	ss sp fr SE					
2	LS 8%	0-7	SCL/Gr	ss sp fr SE	-	51	Quartz + sap throughout prof; 1x		PS .3
		7-24	C/SBK	S P fr SE					
		24-51	CL/WSBK	ss sp fr SE					
3	LS 10%	0-7	SCL/Gr	" " " "	-	48	Parent inclusions cut 32		PS .3
		7-30	C/SBK	" " " "					
		30-48	CL/WSBK	" " " "					
4	LS 10%	0-7	SCL/Gr	ss sp fr SE	-	36	-		PS .3
		7-36	C/SBK	S P fr SE					
		36+	weathered Rock						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	80%	80%
System Type(s)	50%	80%
Site LTAR	.3	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): A
EVALUATED BY: Matthew Williamson
OTHER(S) PRESENT: Paul F

COMMENTS:

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.

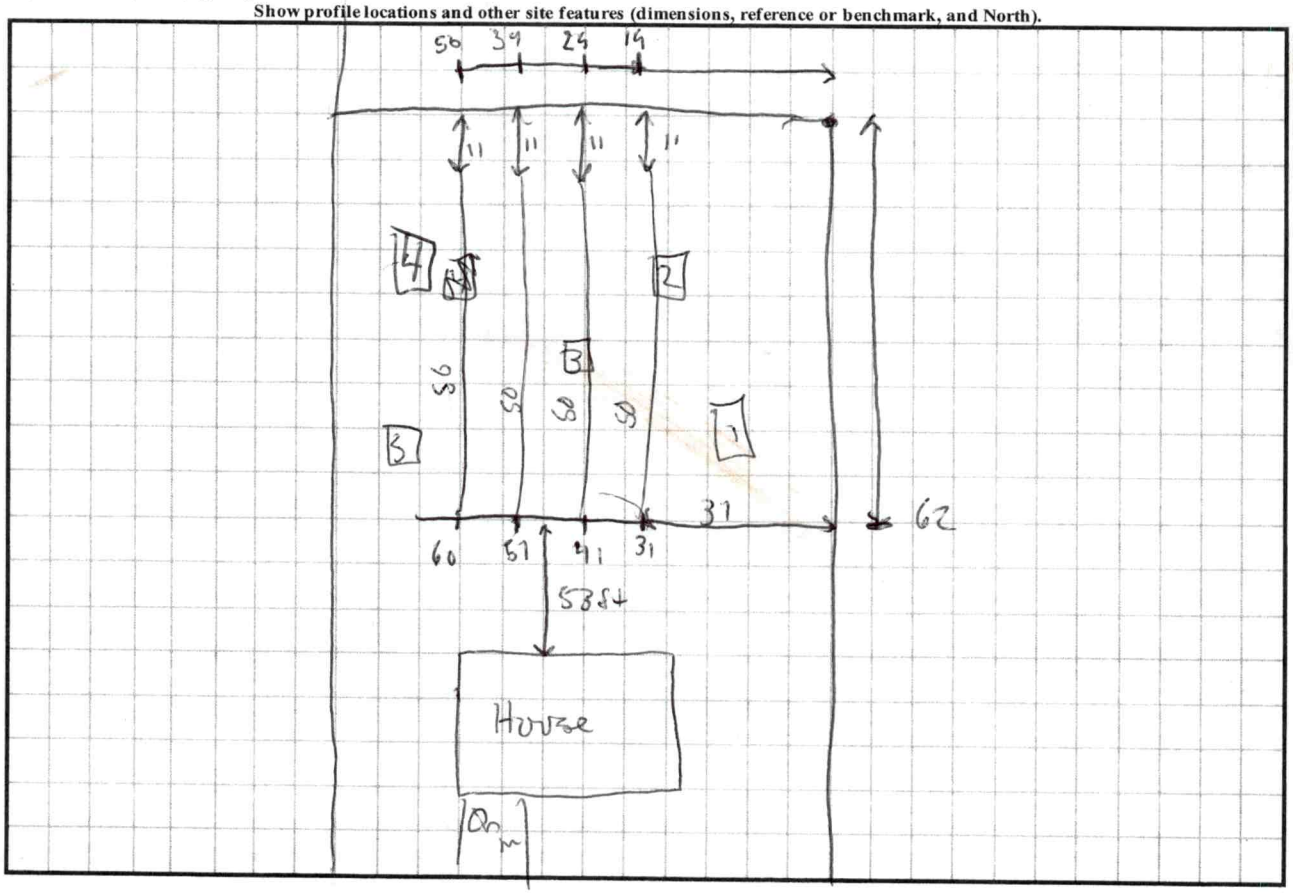
NOTES

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).

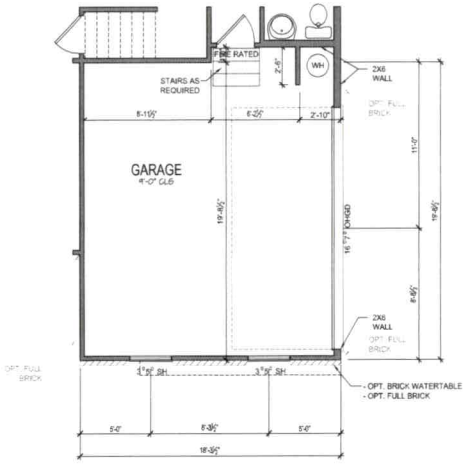


5) 0-7 SCL/Gr PS (bench)
7-22 C / SBK
22-36 CL / SBK .275
36+47 Weathered Rock

Acknowledgement Of
Plans Submittal ONLY!

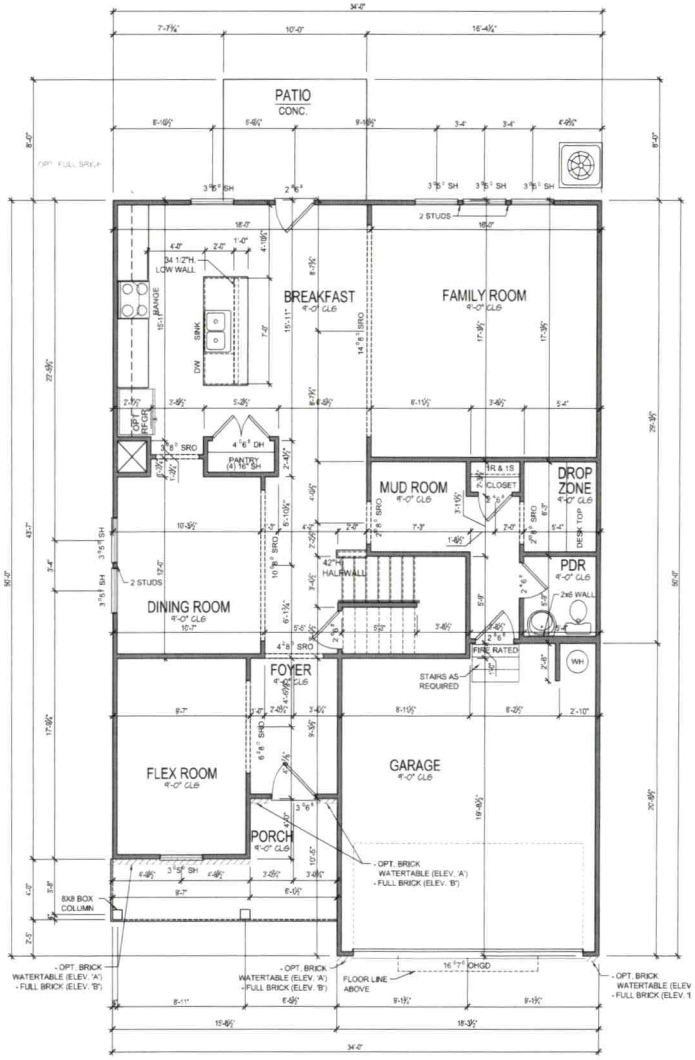
_____ Date 10/28/22

_____ Date _____



OPT. SIDELOAD GARAGE

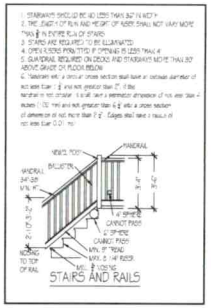
SCALE: 1/4" = 1'-0"



FIRST FLOOR PLAN

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

SQUARE FOOTAGE	
FIRST FLOOR (HEATED)	1208
SECOND FLOOR (H EATED)	1554
TOTAL (HEATED)	2762
GARAGE (UNHEATED)	367
FRONT PORCH	90



ELEVATION "A"

EST. 2020
HELMSMAN HOMES

Township/County

Engineer

Stamp/seal

Project name/owner
STEM TO STERN
2762 PLAN

HELMSMAN HOMES
256 RACEWAY DR.
SUITE 2A
MOORESVILLE, NC 28117
PH. 704-208-4251

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Date
August 12, 2022

Drawn by

Reviewed by
HELMSMAN

Plan set scale
24x36 sheet
1/4" = 1'-0"
11x17 sheet
1/8" = 1'-0"

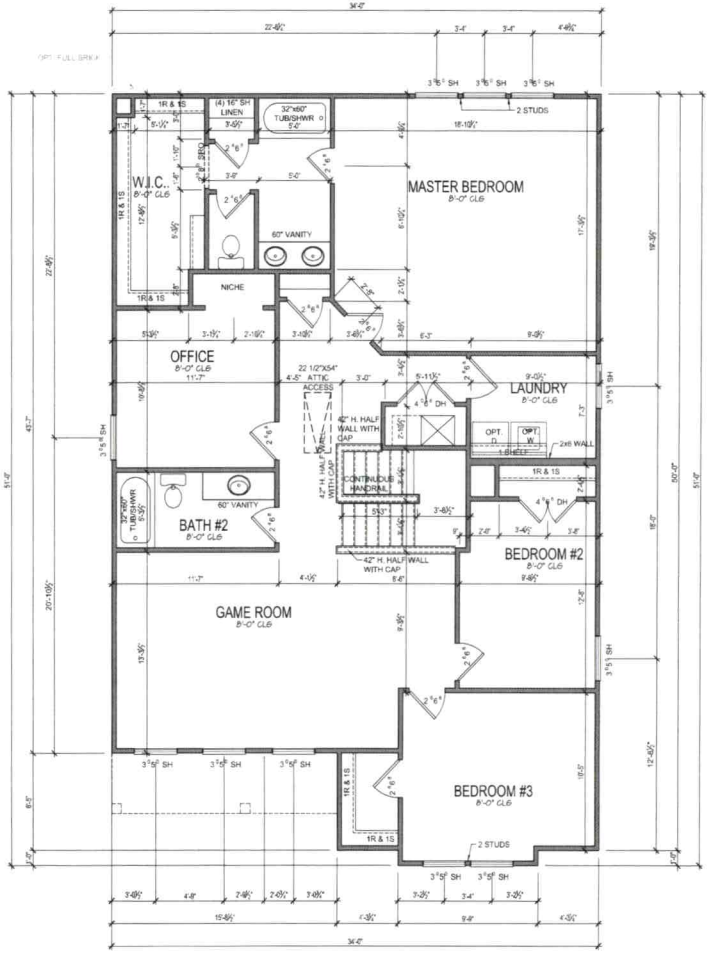
Project/plan code
XX.XX.XXXX

Drawing set
FOR CONSTRUCTION

Sheet title/description

Sheet no.
A-3.0A

Master plan version



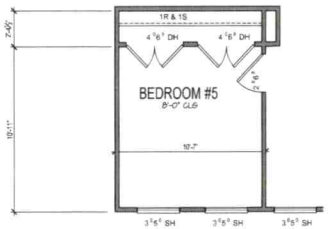
SECOND FLOOR PLAN

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



OPTIONAL 4TH BEDROOM

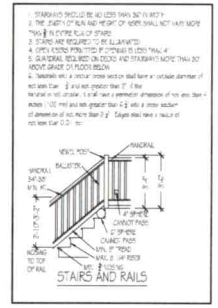
SCALE: 1/4" = 1'-0"



OPTIONAL 5TH BEDROOM

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

SQUARE FOOTAGE	
FIRST FLOOR (HEATED)	1208
SECOND FLOOR (H EATED)	1554
TOTAL (HEATED)	2762
GARAGE (UNHEATED)	367
FRONT PORCH	90



ELEVATION "A"

EST. 2020

HELMSMAN HOMES

Township/County

Engineer

Stamp/seal

Project name/owner

STEM TO STERN
2762 PLAN

HELMSMAN HOMES
256 RACEWAY DR.
SUITE 2A
MOORESVILLE, NC 28117
PH: 704-208-4251

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Date
August 12, 2022

Drawn by

Reviewed by
HELMSMAN

Plan set scale
24x36 sheet
1/4" = 1'-0"
11x17 sheet
1/8" = 1'-0"

Project/plan code
XX.XX.XXXX

Drawing set
FOR CONSTRUCTION

Sheet title/description

Sheet no.
A-4.0A

Master plan version

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.

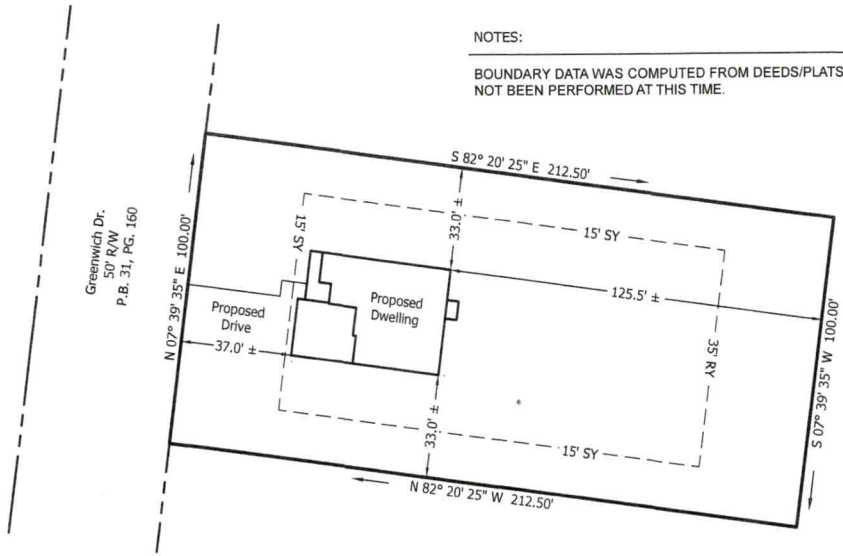
167 Greenwich

1:40

P.B. 31, PG. 160

APPROXIMATE STRUCTURAL/IMPERVIOUS COVERAGE:

APPROXIMATE PROPERTY AREA: 21,250 SF, 0.488 AC.
PROPOSED DWELLING AREA: 1,686 SF, 0.039 AC.
PROPOSED DRIVEWAY AREA: 720 SF, 0.017 AC.
APPROXIMATE STRUCTURAL COVERAGE: 1,686 SF, 0.039 AC, 7.93%
APPROXIMATE IMPERVIOUS COVERAGE: 2,406 SF, 0.056 AC, 11.32%



NOTES:

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

REFERENCE:

BEING ALL OF LOT 33 - 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.

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

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.

0 40 80 120

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.

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: 4713-86-3780		
DEED REF: 1047-376		
DATE OF MAP: 03-08-22	SURVEY DATE:	
REVISION:	DRAWING FILE: 20220327_03-10-22	

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