ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BIDR- 2022-10218

PERMIT # AP OSWP-2022-0035

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

PIN # 4713 -- 86 -- 18966

APPLICANT/OWNER: Helmsman Homes APPLICANT ADDRESS: PO Box 3965, Mooreville

SITE ADDRESS: 162 Greenwich Dr. Statesville NC 28677 PHONE: 980-500-1251 ALT. PHONE

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

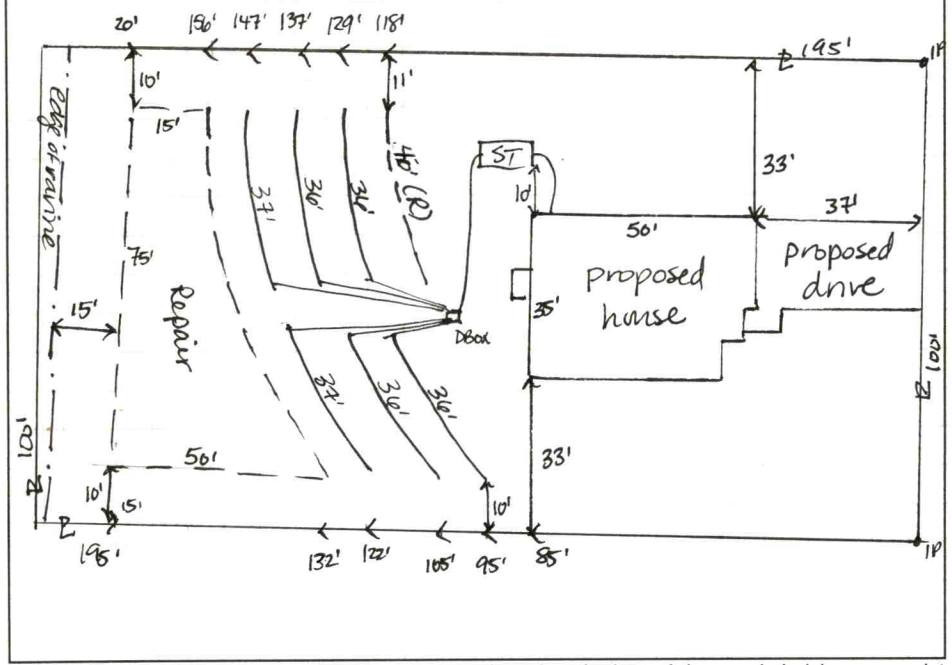
SUBDIVISION: The Landings SECTION: LOT # 22 LOT AREA: 0.447 ac DESIGN FLOW: 360 gpd L.T.A.R.: 0.275

Septic Tank	1000	(gal)	STB 76	Date	5-3-23	☒ 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 - VPPBPS			☐ Business	No. Persons 6	☐ Private
Pump Make		Model		Serial #		Repair System Description:	50% Reduction - VPPBPS			☐ Other	No. Employees	☒ Public
# Nitrification Fields	1	# Lines	6	Linear Ft	218'	Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space	☐ Community
Trench Width	24"	Trench Bottom Depth(Low side)	28"	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 area. Feed all lines equally, install on contour.

Excessive cuts within 15' of drainfield or fill in drainfield will invalidate permit.

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 Tank MW 7/12/23

~~50% Lines distribution~~

Lines checked bLW

Greenwich Dr.

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: Bowen Septic

IMPROVEMENT PERMIT by: D. Mebery Date: 9/29/22 OPERATION PERMIT by: Sarah Williams Date: 9/27/2023

AUTHORIZATION TO CONSTRUCT by: D Mebery Date: 11/23/22 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-2022-0635 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: 4713861866.000 Main
Address: 162 Greenwich Dr Statesville, NC 28677 Main
Zone: RA(Residential Agricultural District)

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

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	23' tall 34' wide, 49'4" 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 9:25	Ivester, Staci		Uploaded via CSS
Authorization Letter for Permitting_v1.pdf	08/12/2022 11:21	Freeman, Brady	Available Online	Authorize to Act as Agent
Greenwich Dr, 162 (Lot 22) - Plot Plan_v1.pdf	08/12/2022 11:21	Freeman, Brady	Available Online	Site Plan
Greenwich - Owner Authorization_v2.pdf	08/23/2022 14:43	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
2022-11861	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	09/01/2022			08/31/2022 8:22	08/31/2022 8:22

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

2022-14516	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
Child	Permit	OSWP-2022-2232	Environmental Health OSWP	EH Septic Authorization to Construct

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

Sheet 1 of 1
PROPERTY ID #: 47138018046
COUNTY: Iredell

Lot 22

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

OWNER: Helmsman Homes — APPLICATION DATE 8/4/22
ADDRESS: PO Box 3465 Mooresville — DATE EVALUATED: 9/25/22
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: 0.447 ac
LOCATION OF SITE: 162 Greenwich Dr — 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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 15	0-6	SCL-SBK	SSSP-FR-SOMP		60"	N/A	N/A	0.275 PS
		6-57	C-SBK	↓					
		57-66	CL-WSBK		Minor YB/Litho C BC transition				
2	LS 18	0-6	CL-SBK	SSSP-FR-SOMP		66"	N/A	N/A	PS 0.275
		6-30	C-SBK	↓					
		30-53	C/CL-SBK						
		53-66	CL-WSBK		YB	53"+			
3	LS 18	0-6	SCL-SBK	SSSP-FR-SOMP		60"	N/A	N/A	PS 0.275
		6-40	C-SBK	↓					
		40-60	CL-WSBK		minor YB	40"+			
4	LS 20	0-7	SCL-SBK	SSSP-FR-SOMP		60"	N/A	N/A	PS 0.275
		7-41		↓					
		41-60	C/CL-WSBK		YB & litho ind Mn staining	41"+			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	218	218
System Type(s)	50%	50%
Site LTAR	0.275	0.275

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

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.

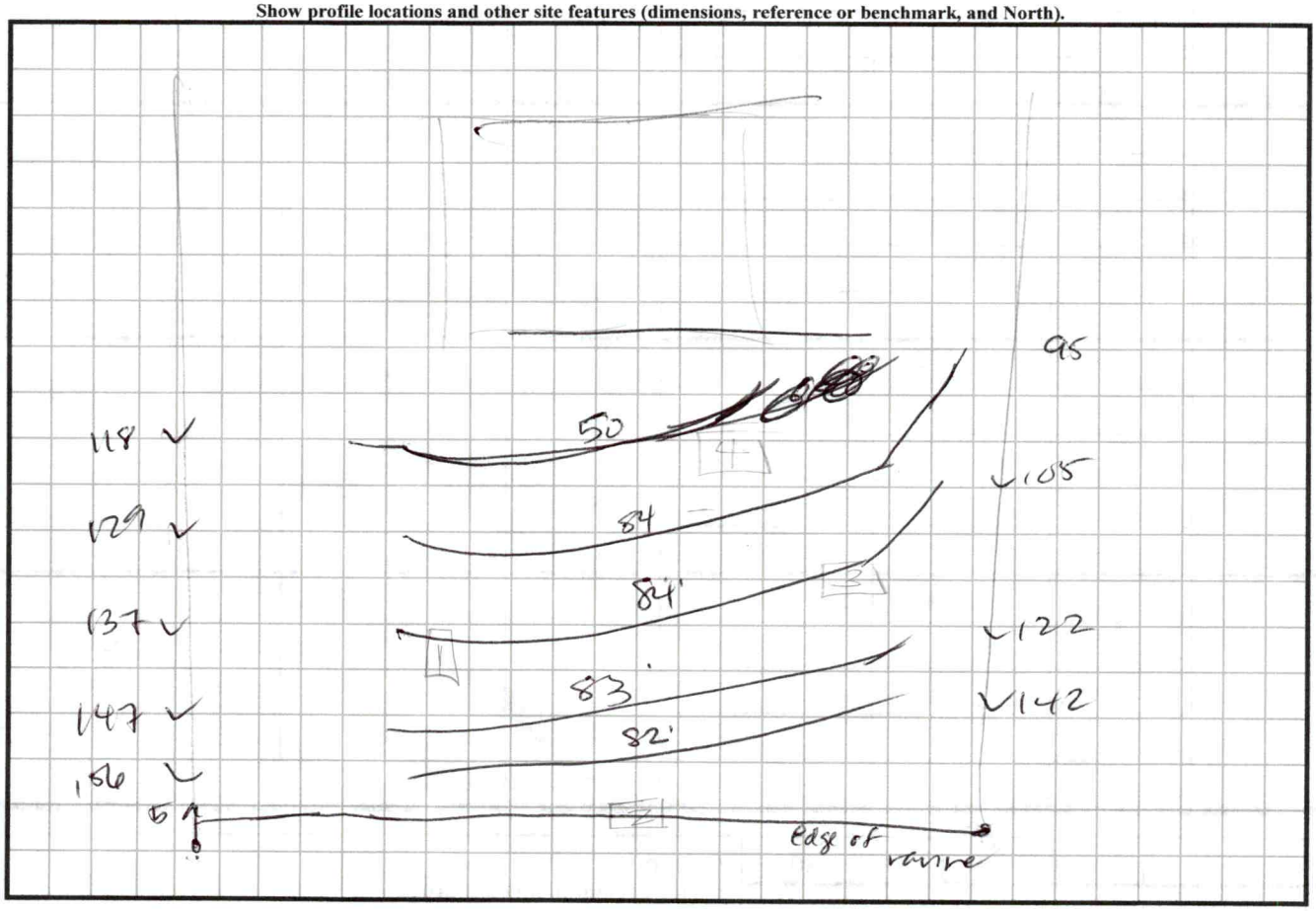
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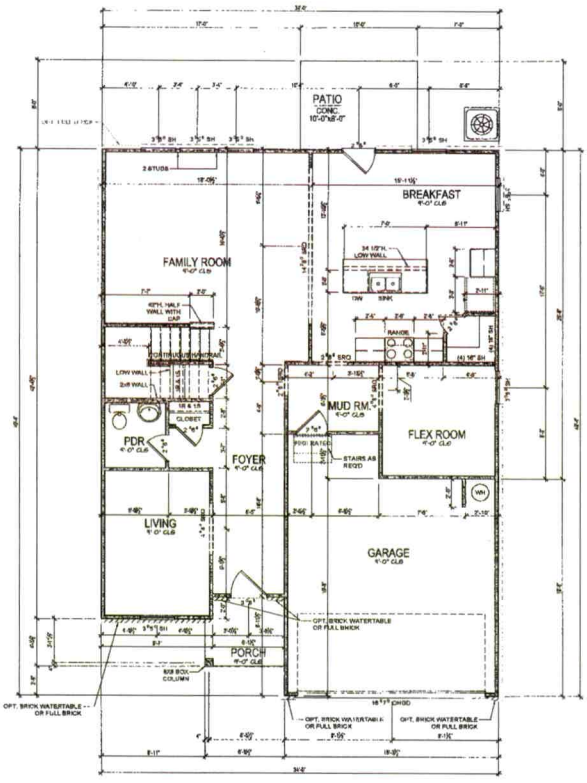
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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

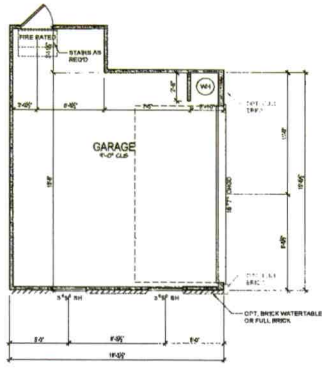
Show profile locations and other site features (dimensions, reference or benchmark, and North).





FIRST FLOOR PLAN

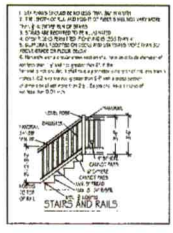
SCALE: 1/4" = 1'-0"



OPT. SIDELOAD GARAGE

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

SQUARE FOOTAGE	
FIRST FLOOR (HEATED)	1189
SECOND FLOOR (HEATED)	1418
TOTAL (HEATED)	2587
GARAGE (UNHEATED)	397
FRONT PORCH	40



ELEVATION "A"

EST. 2020

HELMSMAN HOMES

Township/County
TOWNSHIP
COUNTY

Engineer

Stamp/seal

Project name/owner
2587 PLAN

HELMSMAN HOMES
256 RACEWAY DR.
SUITE 3A
MOORESVILLE, NC 28117
PH: 704-259-4291

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Date
July 29, 2020

Drawn by

Reviewed by
HHH

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

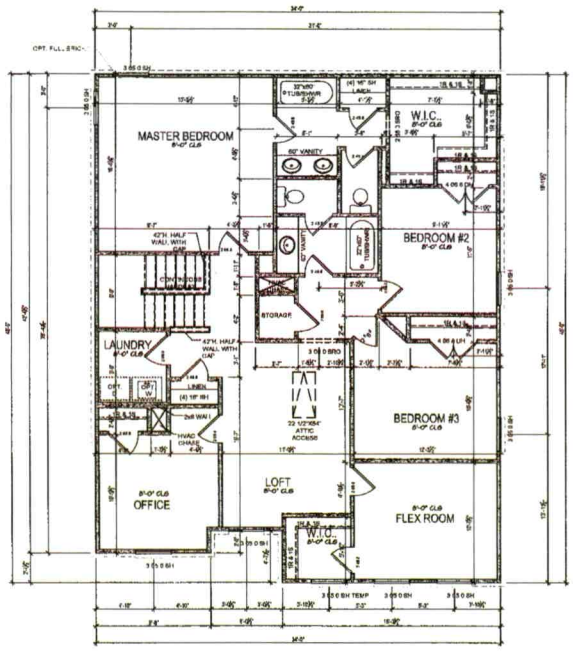
Project/plan code
XX.XX.XXXX

Drawing set
FOR CONSTRUCTION

Sheet title/description

Sheet no.
A-3.0A

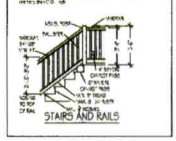
Master plan version



SECOND FLOOR PLAN

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

SQUARE FOOTAGE	
FIRST FLOOR (HEATED)	1169
SECOND FLOOR (HEATED)	1418
TOTAL (HEATED)	2587
GARAGE (UNHEATED)	397
FRONT PORCH	43



ELEVATION "A"

HELMSMAN HOMES

Township/County: TOWNSHIP COUNTY

Engineer:

Stamp/seal:

Project name/demo: 2587 PLAN

HELMSMAN HOMES
398 RACEWAY DR.
SUITE 3A
MOORESVILLE, NC 28117
PH: 704-208-4251

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Date: July 29, 2022

Drawn by:

Reviewed by: NEST

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

Phase division code: XX.XX.XXXX

Drawing set: FOR CONSTRUCTION

Sheet title/description:

Sheet no: A-4.0A

Master plan version: