BIDR-2022-10435

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-0653

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

PIN # 3783-44-6313

APPLICANT / OWNER: HELMSMAN HOMES, LLC | APPLICANT ADDRESS: PO Box 3965, MOORESVILLE, NC 28117

SITE ADDRESS: 122 PUMICE DR, STATESVILLE, NC 28625 | PHONE: (980) 500-1251 | ALT. PHONE: (980) 500-1251

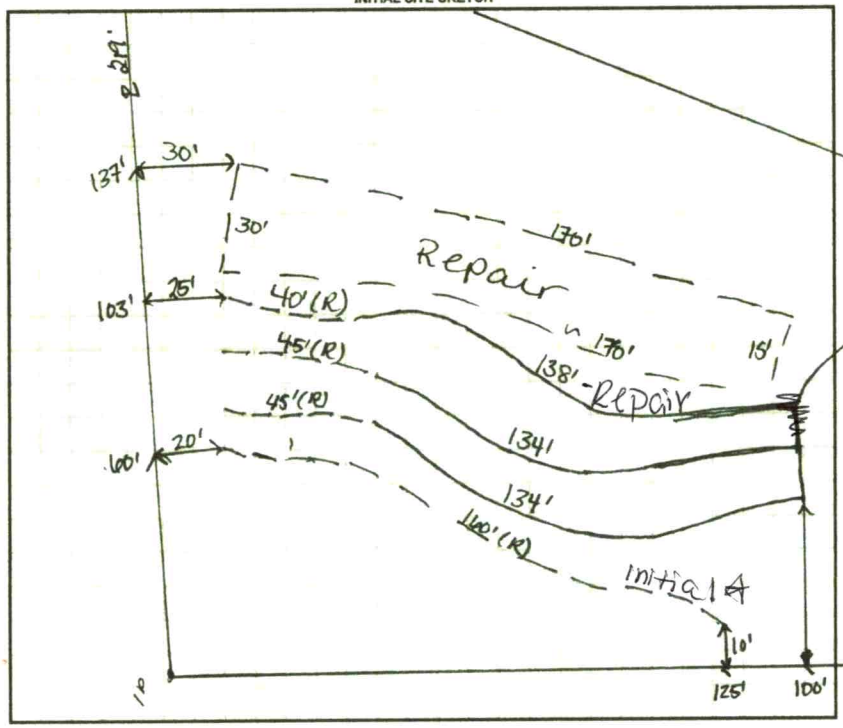
SITE DIRECTIONS: W I-40 -> Sharon School Rd exit -> R on Sharon School -> L on Walnut Tree -> L Pumice -> lot on R | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: River Rock | SECTION: 2 | LOT #: 52 | LOT AREA: 1.12 | DESIGN FLOW: 480 | L.T.A.R.: 0.3

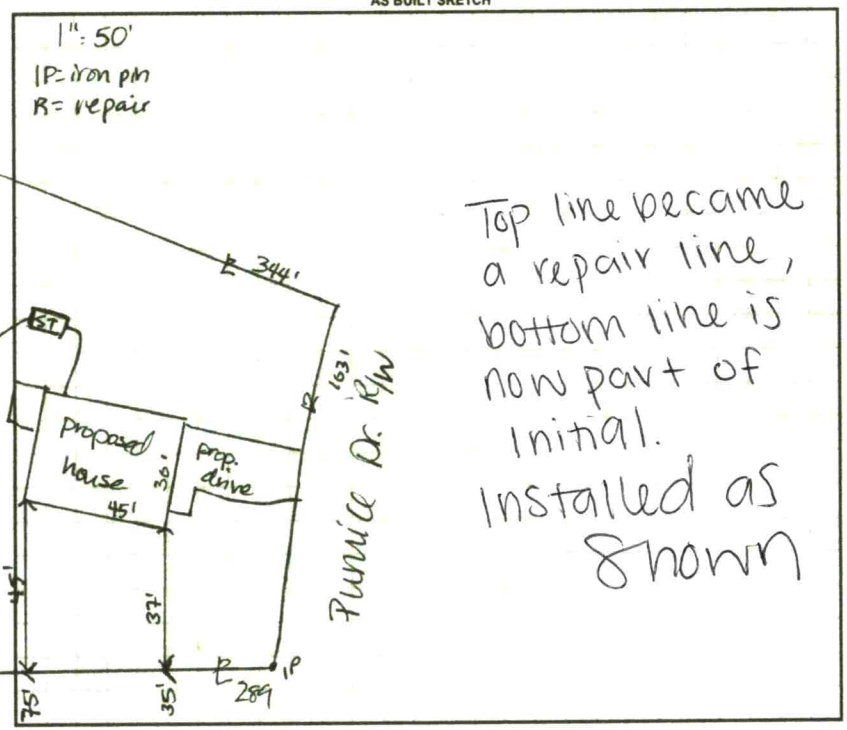
Septic Tank: 1000 (gal)	STB: 760	Date: 2-10-23	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: Other Public Water
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 25% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 402	Maintenance Agreement Required: ☐ YES ☑ NO		☑ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drain field areas. Divert all drainage. Excessive grading/cutting for the house pad could make the system a pump system.

INITIAL SITE SKETCH



AS BUILT SKETCH



Top line became a repair line, bottom line is now part of Initial. Installed as shown

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

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

Owner / Applicant Signature: _____ Date: _____ Installed By: Ronan Septic

IMPROVEMENT PERMIT by: D. Meberg Date: 11/29/22 OPERATION PERMIT by: Sydney Howard Date: 4/18/23

AUTHORIZATION TO CONSTRUCT by: D. Meberg Date: 11/29/22 Existing System Inspected By: _____ Date: _____

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

BIDR-2022-10435

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

PERMIT # OSWP-2022-0653

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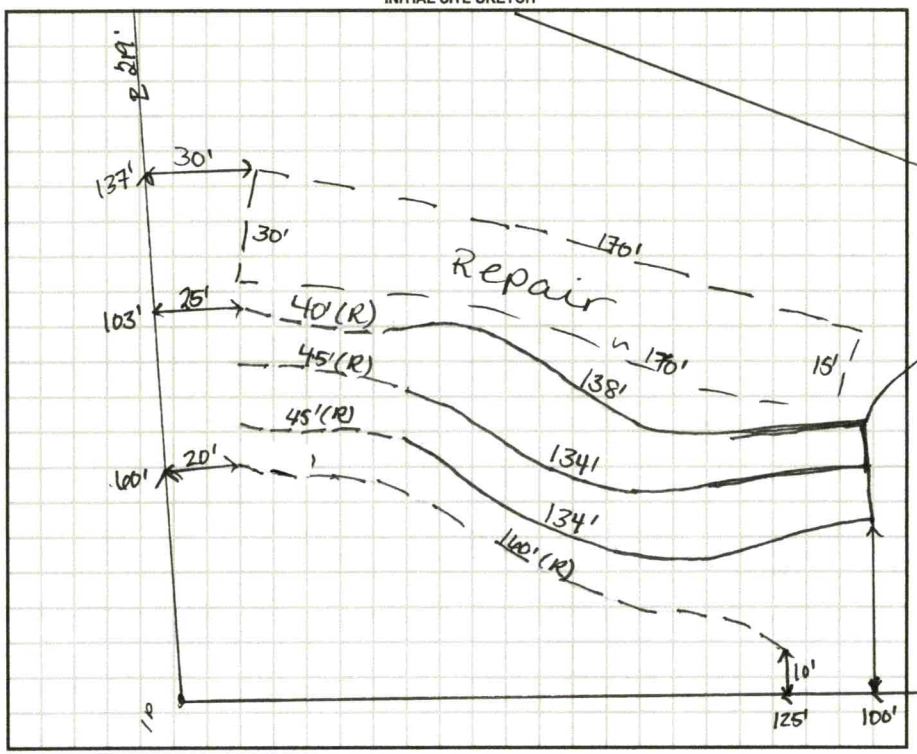
SITE DIRECTIONS: W I-40 -> Sharon School Rd exit -> R on Sharon School -> L on Walnut Tree -> L Pumice -> lot on R | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: River Rock | SECTION: 2 | LOT #: 52 | LOT AREA: 1.12 | DESIGN FLOW: 480 | L.T.A.R.: 0.3

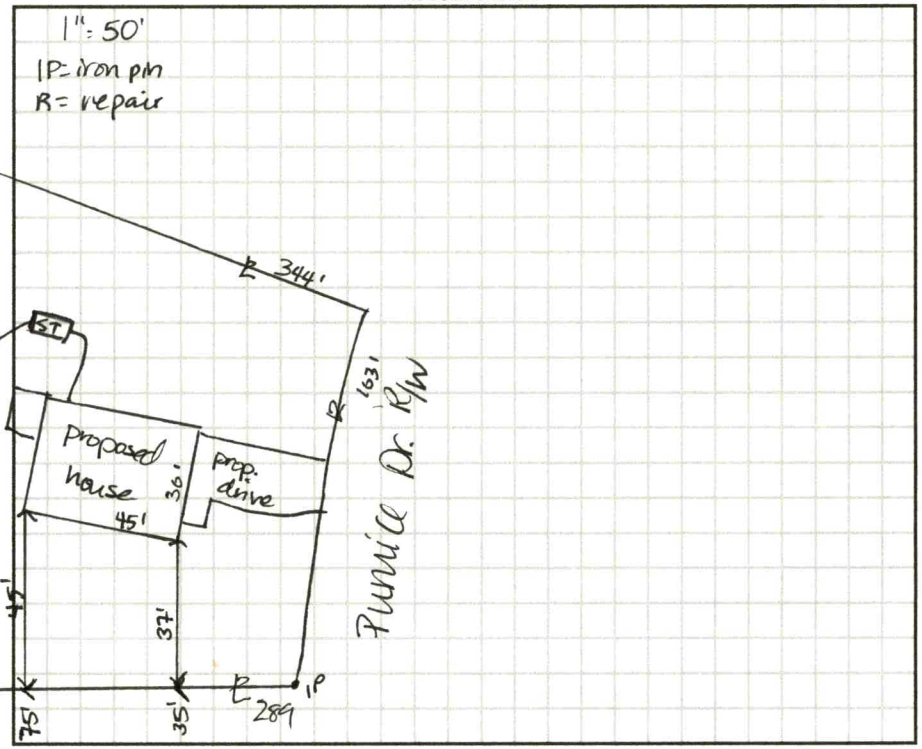
Septic Tank: 1000 (gal)	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: Other Public Water
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 25% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 402	Maintenance Agreement Required: ☐ YES ☑ NO		☑ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drain field areas. Divert all drainage. Excessive grading/cutting for the house pad could make the system a pump system.

INITIAL SITE SKETCH



AS BUILT SKETCH



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Owner / Applicant Signature: _____ Date: _____

IMPROVEMENT PERMIT by: D. Meberg Date: 11/29/22

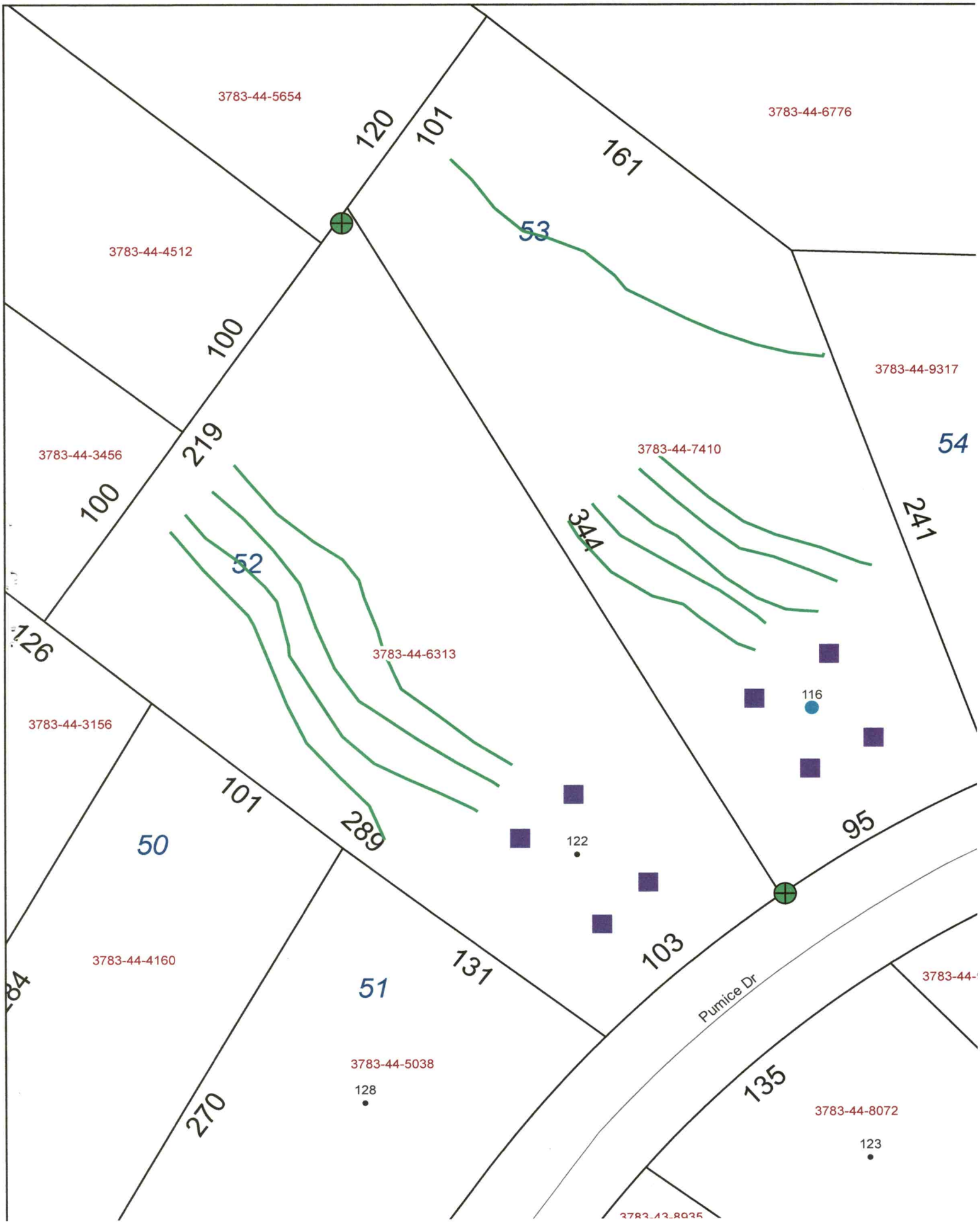
AUTHORIZATION TO CONSTRUCT by: D. Meberg Date: 11/29/22

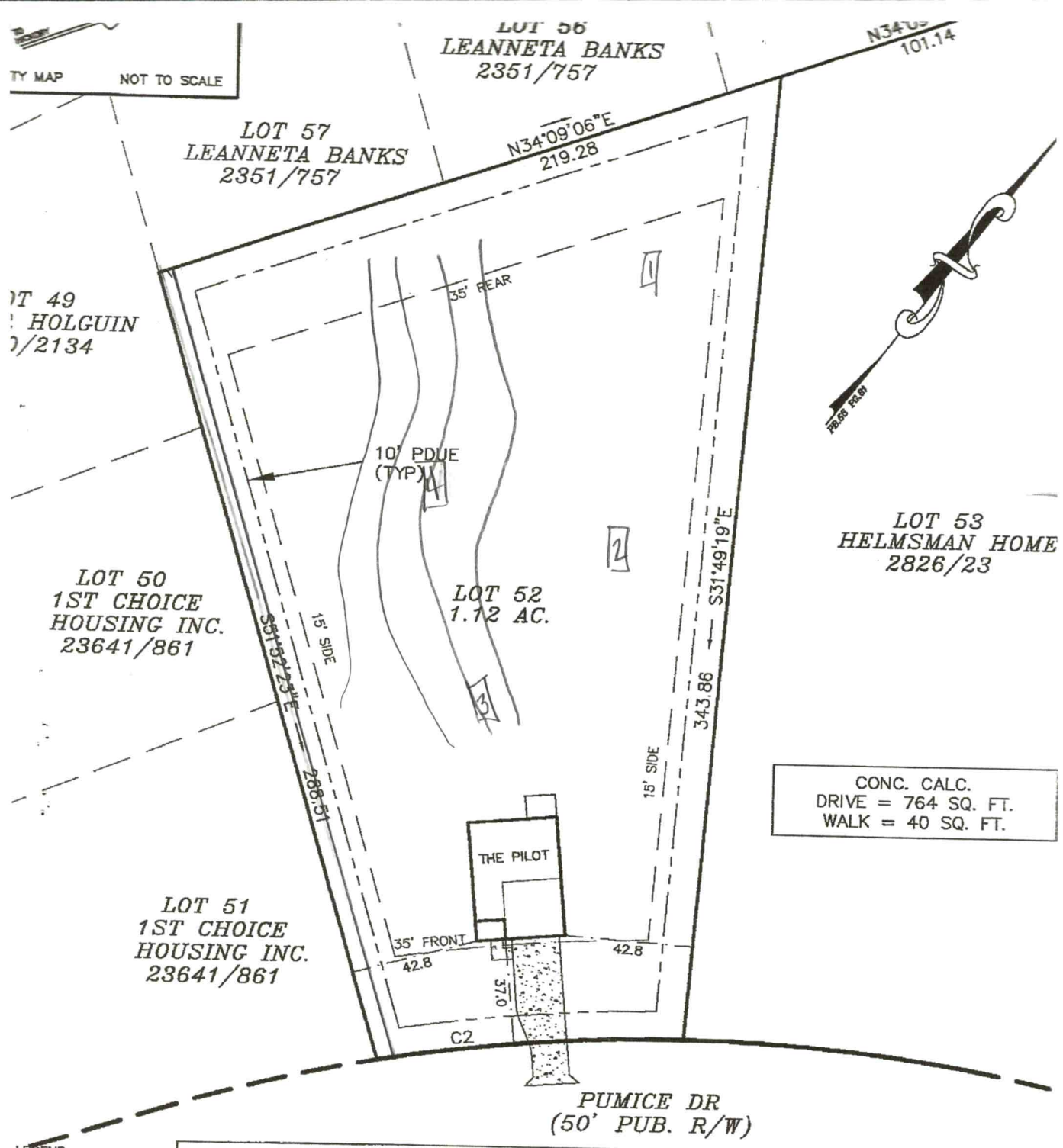
Installed By: Ronan Septic

OPERATION PERMIT by: Sydney Tilliard Date: 4/18/23

Existing System Inspected By: _____ Date: _____

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


3783-44-5654
3783-44-6776
3783-44-4512
3783-44-9317
3783-44-3456
3783-44-7410
3783-44-6313
3783-44-3156
3783-44-4160
3783-44-5038
3783-44-8072
120
101
161
100
219
100
241
344
126
101
289
95
103
131
270
135
53
54
52
50
51
116
122
128
123
Pumice Dr



LEGEND
P. = POWER POLE
4 REBAR SET
IGHT-OF-WAY
MPUTED POINT

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C2	542.00'	102.84'	S 48°57'44" W	102.69'

5' 30' 60'
SCALE IN FEET

PLOT PLAN SURVEY

OF

122 PUMICE DRIVE

LOT 52 RIVER ROCK PHASE 2

SHILOH TWSP., IREDELL CO., N.C.

CALE 1" = 50'

QUIRED BY: HELMSMAN HOMES

NOTES

1) THIS PROPERTY MAY BE SUBJE TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WI 2000 FEET.

FIELD BOOK:
FILE: RIVER ROCK 52-53
DC FILE:
TAX MAP NO: 3783446313.00

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

Sheet 1 of 1
PROPERTY ID #: 3783446313
COUNTY: Iredell

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 Mooresville NC 28117 — DATE EVALUATED: 11/28/22
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 1.12
LOCATION OF SITE: 122 Pumice, Statesville 28625 — PROPERTY RECORDED: Y
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 10	0-7	SCL		f-C sap incl 48 Discont band of sporadic roots (some larger) & WR	63"	N/A	N/A	PS 0.3
		7-48	C/CL-MSBK	SP-FR SEXP					
		48-63	CL-WSBK	SSBP-FR					
2	LS 10-15	0-12	SCL-WS	SSSP-FR SEXP	few WR sap/WR	65" 12-39 incl 39"+	N/A	N/A	PS 0.3
		12-39	C/CL-MSBK	SP-FR-SEXP					
		39+ LOS	CL-WSBK	SSSP-FR-SEXP					
3	LS 10	0-7	SCL-WSBK	SSSP-FR-SEXP	few sap incl 36"+	64"	N/A	N/A	PS 0.3
		7-36	C-MSBK	SP-FR SEXP					
		36-64	CL-WSBK	SSSP-FR SEXP					
4	LS 10-12	0-10	SCL-SBK	SSSP-FR SEXP	WR incl & some sap incl	63"	N/A	N/A	PS 0.3
		10-36	C-SBK(M)	SP-FR SEXP					
		36-63	CL-WSBK	SSSP-FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400'	267'
System Type(s)	25% - Conv	50% Red
Site LTAR	0.3	0.3

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

COMMENTS:

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.

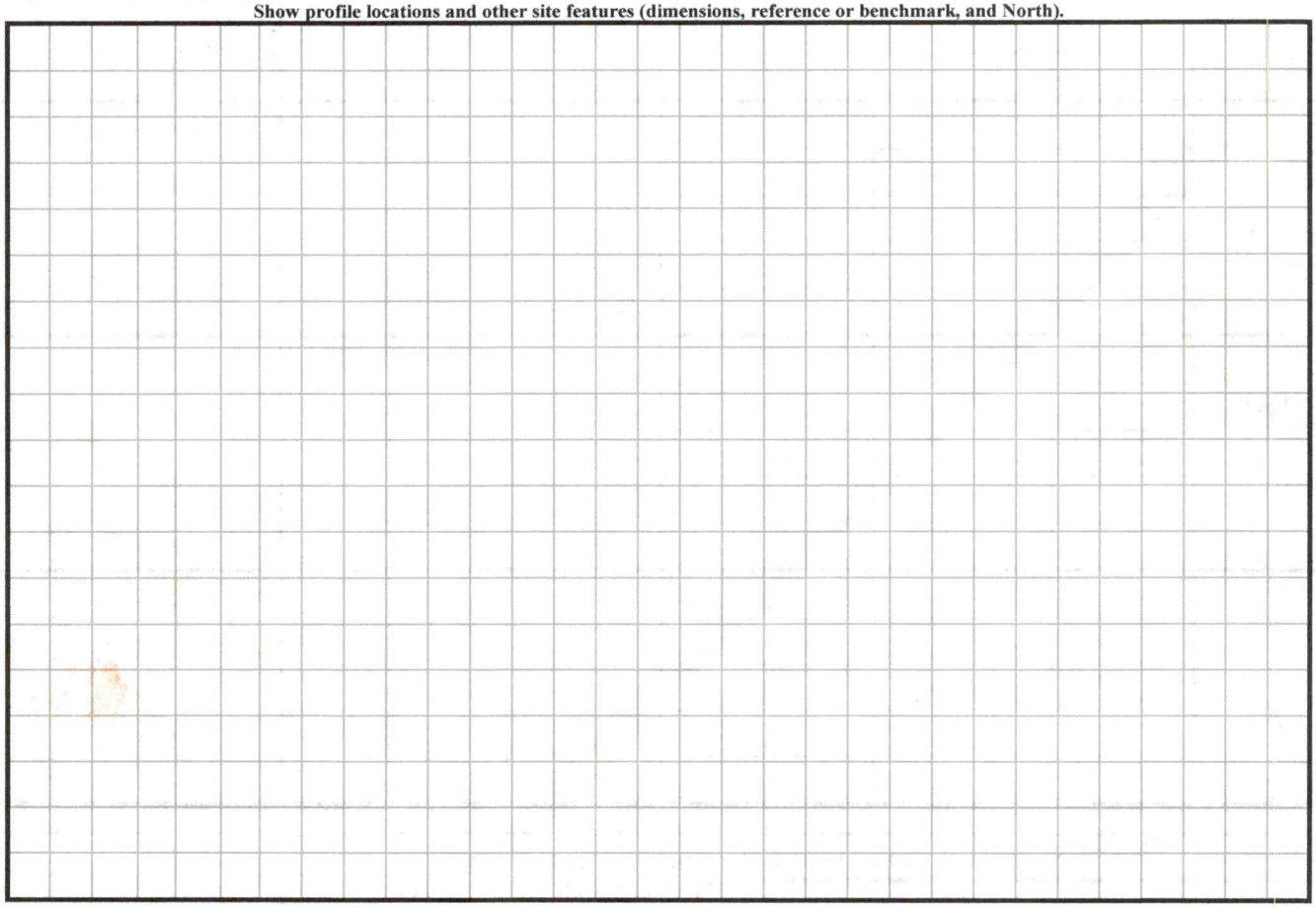
NOTES

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).



11/28

PERMIT SNAPSHOT REPORT OSWP-2022-0653 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/04/2022
Work Class:	EH Septic Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wieberg, Danielle	**Approval Expire Date:**	
Description:	new single family, 4 bed, 2.5 bath **329733**				

Parcel: 3783446313.000 Main	**Address:** 122 Pumice Dr Statesville, NC 28625 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	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	23' 2" tall, 29' 9" wide, 42' Long	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Concrete Slab Foundation	Residential/Business/Other	Residential	Water Supply	Other Public Water
Desired Septic System Type	No Preference	If other septic system type, please explain		Has this project been approved by TRC	No
Lot Acreage	1.12	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	WSIV CA CATAWBA/LAKE NORMAN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Helmsman_Homes_8/4/2022.jpg	08/04/2022 10:16	Ivester, Staci		Uploaded via CSS
Authorization Letter for Permitting_v1.pdf	08/12/2022 11:46	Freeman, Brady	Available Online	Authorize to Act as Agent
Pumice Dr, 122 - Plot Plan_v1.pdf	08/12/2022 11:46	Freeman, Brady	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2022-17441	Re-inspection required (with fee)	OSWP Septic/Well Preliminary Site Visit	09/19/2022			09/19/2022 8:04	09/19/2022 8:04

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	

2022-35959	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	11/14/2022			11/14/2022 16:39	11/14/2022 16:39

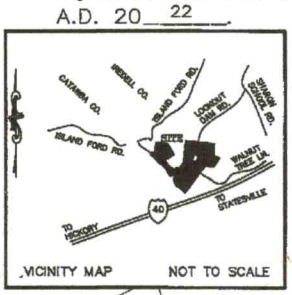
Inspectors: Kobuck, Teanna (Primary)

DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2826, page 23, and/or plat book 55, page 81, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 47-30. Witness my hand and seal on the 29, day of MARCH, A.D. 20 22.

WILLIAM M. ALLEN, PLS

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN



VICINITY MAP NOT TO SCALE

CONC. CALC.
DRIVE = 764 SQ. FT.
WALK = 40 SQ. FT.

grading lot excessively will Make a Pump

LEGEND
PP = P.P. = POWER POLE
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
CP = COMPUTED POINT

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C2	542.00'	102.84'	S 48°57'44" W	102.69'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 15' 30' 60'
SCALE IN FEET

PLOT PLAN SURVEY

OF
122 PUMICE DRIVE
LOT 52 RIVER ROCK PHASE 2
SHILOH TWSP., IREDELL CO., N.C.

SCALE 1" = 50'
ACQUIRED BY: HELMSMAN HOMES

FIELD BOOK:
FILE: RIVER ROCK 52-53
DC FILE:
TAX MAP NO: 3783446313.000

IREDELL COUNTY · NC

IREDELL COUNTY
PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
329733 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
3783446313.000	122 PUMICE DR	Iredell County

Owner Information	Applicant Information
Name: HELMSMAN HOMES LLC	Name: HELMSMAN HOMES, LLC 236 RACEWAY DR STE 7
Address: ,	Address: PO BOX 3965 236 RACEWAY DR STE 7 MOORESVILLE, NC 28117
Phone:	Phone: (704)363-6038

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.12	35	35	15	15	WSIV-CA Catawba/Lake Norman	NO

Remarks
sfd/need disc

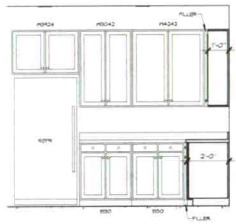
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Date: 06/15/2022

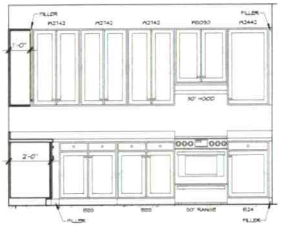
Signature of Owner/Contractor

Permit Number	329733	TOTAL FEES:	$77.25

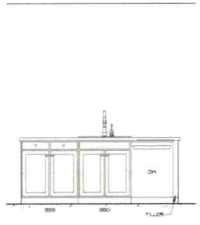
CABINET ELEVATION NOTES:
1. CABINET MAKER TO VERIFY ALL CABINET DIMENSIONS ON JOB SITE.
2. NOMINAL DIMENSIONS SHOWN FOR CABINETS DO NOT INCLUDE FILLER SPACES FOR WALL SCREENS.
3. DO NOT SCALE DIMENSIONS FROM PRINTS. PLANS AND DETAILS MAY NOT ALWAYS PRINT TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.



A KITCHEN
3/8" = 1'-0"



B KITCHEN
3/8" = 1'-0"



C KITCHEN
3/8" = 1'-0"



D M. BATH
3/8" = 1'-0"

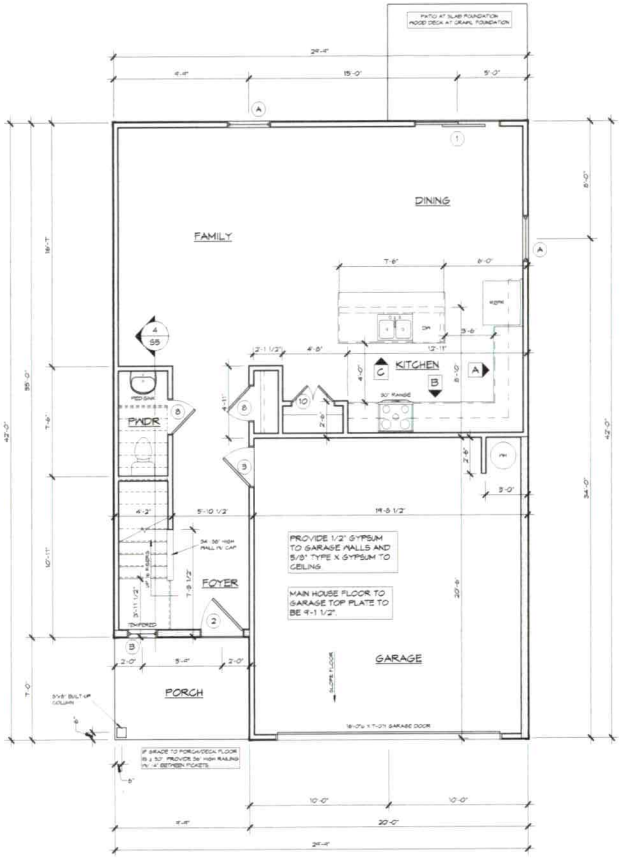


E BATH 2
3/8" = 1'-0"

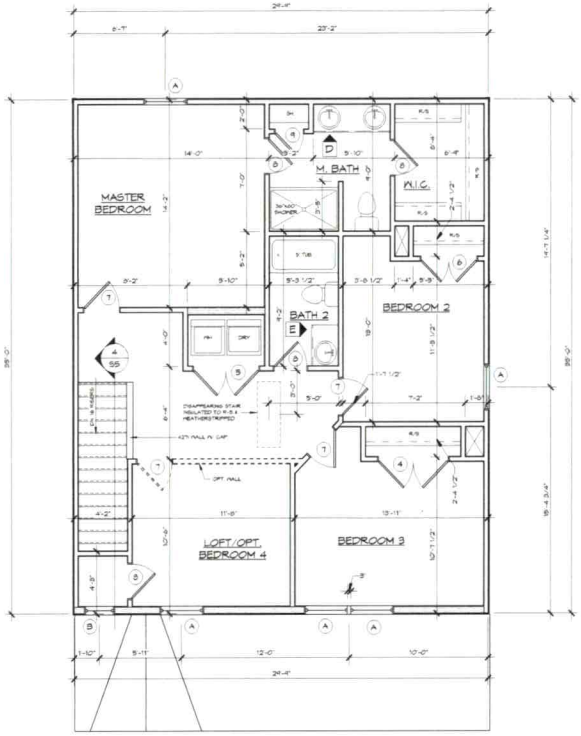
DOOR SCHEDULE		
TYPE	DOOR SIZE	DESCRIPTION
1	6'-0" x 6'-8" x 1 3/4"	1 LIGHT, SLIDING GLASS DOOR
2	3'-0" x 6'-8" x 1 3/4"	4 LIGHT, 1 PANEL
3	2'-8" x 6'-8" x 1 3/4"	20 MINUTE RATED
4	(2) 2'-6" x 6'-8" x 1 3/8"	1 PANEL, BI-HINGE
5	(2) 2'-4" x 6'-8" x 1 3/8"	1 PANEL, BI-HINGE
6	(2) 2'-0" x 6'-8" x 1 3/8"	1 PANEL, BI-HINGE
7	2'-6" x 6'-8" x 1 3/8"	6 PANEL
8	2'-4" x 6'-8" x 1 3/8"	6 PANEL
9	2'-0" x 6'-8" x 1 3/8"	6 PANEL
10	(2) 1'-6" x 6'-8" x 1 3/8"	6 PANEL, BI-HINGE

WINDOW SCHEDULE		
TYPE	WINDOW SIZE	DESCRIPTION
A	3'-0" x 5'-0"	SINGLE-HUNG
B	2'-0" x 3'-0"	SINGLE-HUNG

WINDOW NOTES:
- SEE PLAN FOR TEMPERED LOCATIONS.
- ENSURE W/ MANUFACTURER THAT EGRESS WINDOWS IN BEDROOMS MEET EGRESS REQUIREMENTS PER BUILDING CODE.
- PROVIDE FALL PROTECTION ON WINDOWS WHERE THE SILL IS LESS THAN 24" ABOVE THE FLOOR AND GREATER THAN 72" ABOVE GRADE.



1 FIRST FLOOR PLAN
1/4" = 1'-0"



2 SECOND FLOOR PLAN
1/4" = 1'-0"

GENERAL PLAN NOTES:
1. DESIGN BASED ON 2018 NORTH CAROLINA RESIDENTIAL CODE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2018 NORTH CAROLINA RESIDENTIAL CODE AND LOCAL BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS. DO NOT SCALE DIMENSIONS FROM PROJECT DRAWING. PLANS AND DETAILS MAY NOT ALWAYS PRINT TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
4. GRADE ELEVATIONS MAY VARY DUE TO TYPE OF FOUNDATION AND OTHER ON SITE CONSIDERATIONS.
5. PROVIDE ATTIC ACCESS W/ WEATHERSTRIPPING AND INSULATED PER R807 & LOCAL BUILDING CODE.
6. MECHANICAL EQUIPMENT AND WATER HEATER TO BE LOCATED ON SITE UNLESS SHOWN ON PLANS.
7. FRAMING HEIGHTS:
   A. FLOOR TO TOP PLATE FIRST FLOOR = 9'-1 1/2"
   B. FLOOR TO TOP PLATE SECOND FLOOR = 8'-1 1/2"
   C. FLOOR TO WINDOW HEAD FIRST FLOOR = 7'-0"
   D. FLOOR TO WINDOW HEAD SECOND FLOOR = 7'-0"

DIMENSION NOTES:
1. ALL EXTERIOR DIMENSIONS ARE TO MASONRY OR EXTERIOR FACE OF STUD.
2. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD.

STUD WALL NOTES:
- ALL STUD WALLS ARE TO BE FRAMED WITH 2X4 STUDS AT 16" O.C. UNLESS NOTED OTHERWISE.
- STUDS AT 2X6 WALLS ARE TO BE FRAMED AT 16" O.C. UNLESS NOTED OTHERWISE.

= 2x4 STUD WALL
= 2x6 STUD WALL

LIST OF ABBREVIATIONS:
A.F.F. - ABOVE FINISHED FLOOR
A.O. - ARCHED OPENING
C.O. - CASED OPENING
CW - COLD WATER - HOSE BIBB
D.O. - DOOR OPENING
DIAG. - DIAGONAL
DISP. - DISPOSAL
D.J. - DOUBLE JOIST
DRY - DRYER
H.B.T. - HP SHOWER TRUSS
HWH - HOT WATER HOSE BIBB
N.T.S. - NOT TO SCALE
O.H. - OVERHANG
R.A.D. - RADIUS REQUIRED
REFR - REFRIGERATOR
R.O.T. - ROOF UNDER TRUSS
R.S. - RUD/SHELF
SH - SHELVES
T.B.D. - TO BE DETERMINED
T.O. - TOP OF
U.C. - UNDER COUNTER
U.N.O. - UNLESS NOTED OTHERWISE
W.C. - WATER CLOSET
W.M. - WASHING MACHINE

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

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