IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 232713

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

PIN # 4649-44-6003.132

APPLICANT/OWNER: Barry E. Helms APPLICANT ADDRESS: 202 Fern Hill Rd. Troutman NC 28166

SITE ADDRESS: 132 Shady Lane Troutman, NC 28166 PHONE: 704-400-2104 ALT. PHONE

SITE DIRECTIONS: Perth Rd N from Rt 150 → R on Fern Hill Rd → L on Shady Lane → on right SAP CONTROLLED: ☒ YES ☐ NO

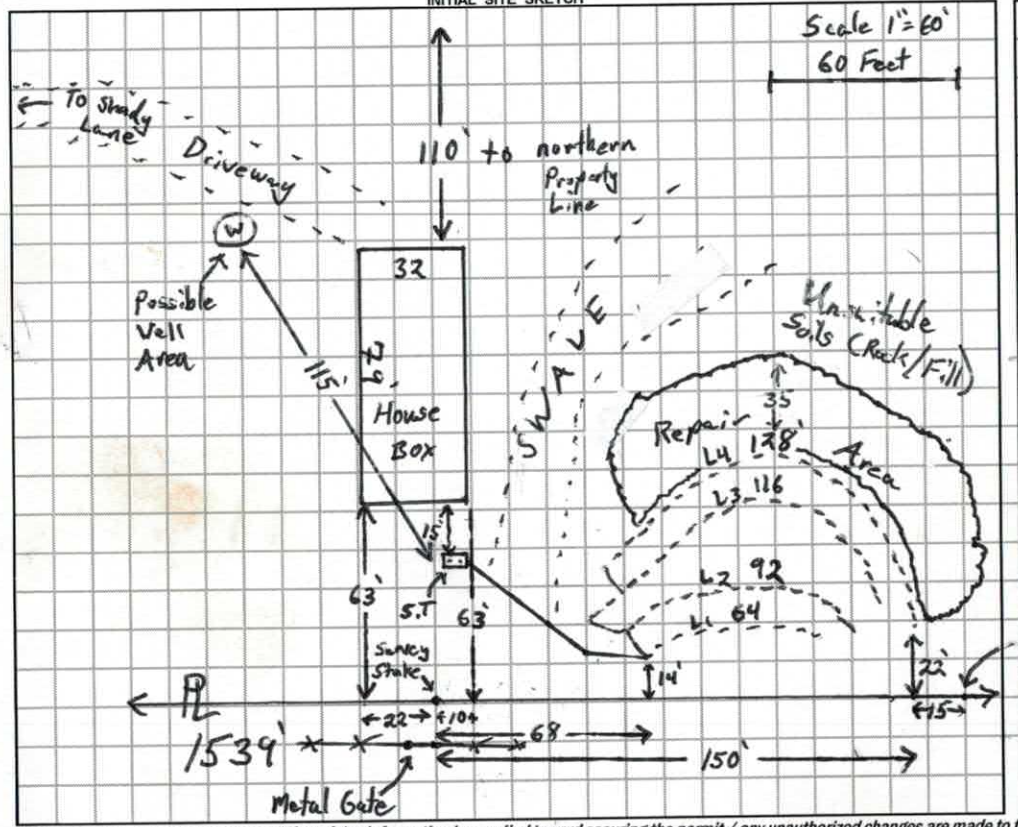
SUBDIVISION: — SECTION: — LOT # — LOT AREA: 9.138 acres DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank	1000	(gal)	STB	825	Date	12-2-18	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	25% Reduction (serial Distribution)			
Pump Make	—	Model	—		Serial #	—	Repair System Description:	50% Reduction (PPBPS) [sidewways]			
# Nitrification Fields	1	# Lines	4		Linear Ft	400	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36"	Trench Bottom Depth(Low side)	32"		Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		

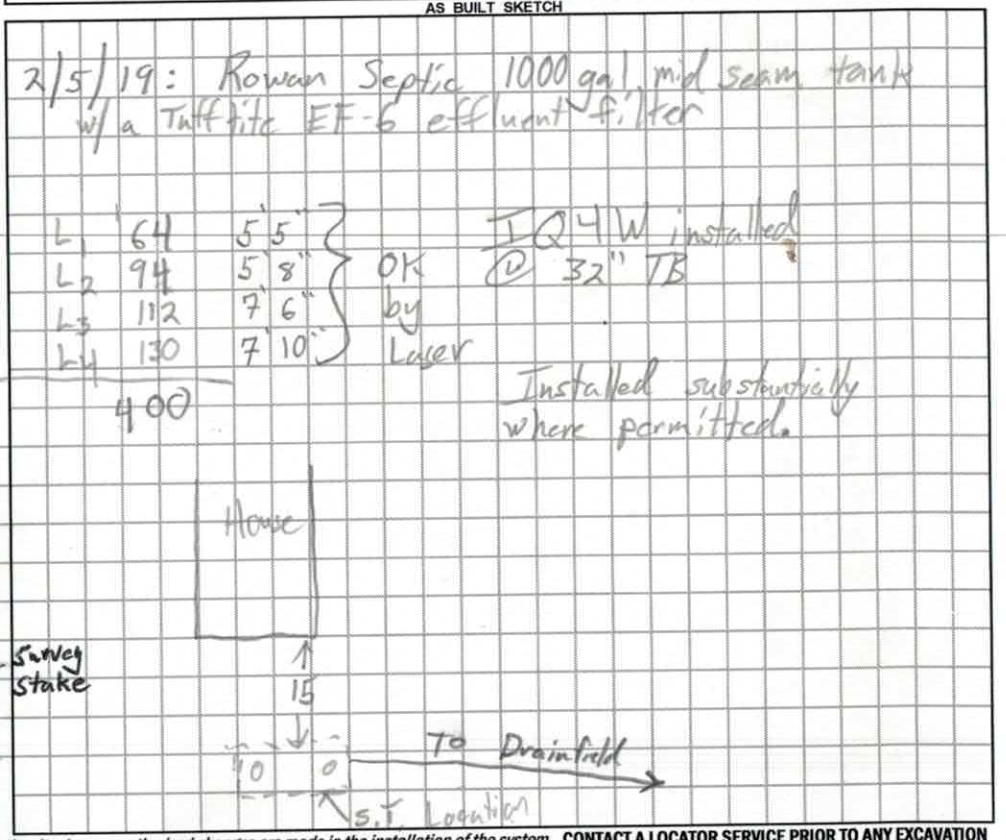
☒ Residence	No. Bedrooms	4	Water Supply
☐ Business	No. Persons	8	☒ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☒ Crawl Space		☐ Community
☐ Basement w/plumbing	☐ Basement w/o plumbing		

Comments / Conditions: Recommend pumping Septic tank every 3-5 years

INITIAL SITE SKETCH



AS BUILT SKETCH



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: Aesha Cruz Date: 5/15/18 Installed by: Joe Thompson

IMPROVEMENT PERMIT by: Tom Shuck Date: 5/14/2018 OPERATION PERMIT by: Tom Shuck Date: 2/5/19

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 5/14/2018 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

EPARTMENT OF HEALTH AND HUMAN SERVICES
IVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
N-SITE WATER PROTECTION BRANCH

Sheet ___ of ___
PROPERTY ID #: 4649-44-6003
COUNTY: Iredell

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

OWNER: Barry Helms — APPLICATION DATE ___
ADDRESS: 202 Fern Hill Rd Troutman — DATE EVALUATED: 3/29/18
PROPOSED FACILITY: 4BR SFR — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: 9.1 acres
LOCATION OF SITE: 132 Shady Lane Troutman, NC — PROPERTY RECORDED: Yes
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	Top Saddle Near 8% Primary	0-8	SCL V.W.SBK	SL Friable, SS, Sp, Sap	—	35"	—	—	0.375
		8-13	Clay V.W.SBK/ABK	SL Firm, Sticky, Sp, Sap					
		13-35	Clay Loam W. SBK some SAP	Friable, SS, Sp, Sap					
		35-57	Sandy MA Saprolite	very Friable + well Drained					
		57-66"	SAP Loamy	Friable + well Drained					
2	~~Top~~ Mid Saddle Distal 7% Primary	0-17	Fill Loamy		Stump?	50"	—	—	0.3
		17-24	SCL W.SBK	SL Firm, SS, Sp, Sap	—				
		24-39	Clay SL Firm WABK + SBK	Sticky, Sp, Sap					
		39-50	Clay Loam V.W.SBK	Friable, SS, Sp, Sap					
		50-74	Sandy Saprolite MA	very Friable + well Drained					
3	8% Concavity Edge Repair	0-14	SCL V.W.SBK	SL Firm, SS, Sp, Sap	34" Chroma 2 7.5YR 6/2	66"	—	—	0.25
		14-41	Clay W.SBK	Firm Sticky, Sp, Sap					
		41-66	Clay Loam W.SBK	SL Friable, SS, Sp, Sap					
4	~~Top~~ Mid Distal 6% Repair	16-0	Fill Dirt			30"	—	—	0.5
		0-5	SCL V.W.SBK	SL Friable, SS, Sp, Sap					
		5-30	Clay Loam W.SBK	Friable, SS, Sp, Sap					
		30-~~74~~ 60	MA Loamy Saprolite	Very Friable + well Drained					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400	340+
System Type(s)	25% Reduction	50% Reduction
Site LTAR	0.30	0.25

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: ___

RECEIVED JAN 12 2018

$500 Paid

IREDELL COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

(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)

#232713

1. APPLICATION FOR: ✓ Improvement Permit ✓ Authorization To Construct ___ Existing System Inspection

2. 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
Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address	~~Home Phone #~~	Alternate Phone #
Barry E. Helms	202 Fernthill Rd Troutman 28166		704-400-2104
SAME (Owner Name)	SAME (Mailing Address)	~~Home Phone #~~	SAME (Alternate Phone #)

4. Property Information:

132 Shady Lane (Street Address) ___ (~~Subdivision Name~~) ___ (Section/Phase and Lot Number)

Driving Directions: Perth Rd to Fern Hill Rd - go east to ~~202 Fernhill Rd~~ Shady Lane (Dirt Rd before Brick House w/3 car garage) Proceed to Fork and bare right (behind Shed) 132 Shady Lane.

5. RESIDENTIAL Site Development Information: *(Check or Complete ALL that apply)*

(✓) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
(✓) Repair To Failing Septic System due to ___
( ) Other ___

Maximum Number of Bedrooms 4
Maximum Number of Occupants 4
If Expansion, Current Number of Bedrooms ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non-Residential Site Development:
Type of Business N/A
Square Footage of Building N/A
Maximum Number of Employees N/A
Maximum Number of Seats N/A

6. Proposed Water Supply:

(✓) New Well 550 ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed ___ (Year)

( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other ___

8. 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. industry) 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.

1-12-2018

9. Signature: Barry E Helms
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6/20/2017
DATE

IREDELL COUNTY

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

APPLICATION NUMBER
232713
Issue Date: 01/12/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4649446003.000	132 SHADY LANE, TROUTMAN, NC 28166	IREDELL COUNTY

Owner Information	Applicant Information
Owner: HELMS BARRY E+DEBORAH A	Applicant: HELMS BARRY E+DEBORAH
Address: 202 FERN HILL RD TROUTMAN, NC 28166	Address: 202 FERN HILL RD TROUTMAN, NC 28166
Phone:	Phone:

Use Requested	Zone Code
	RA

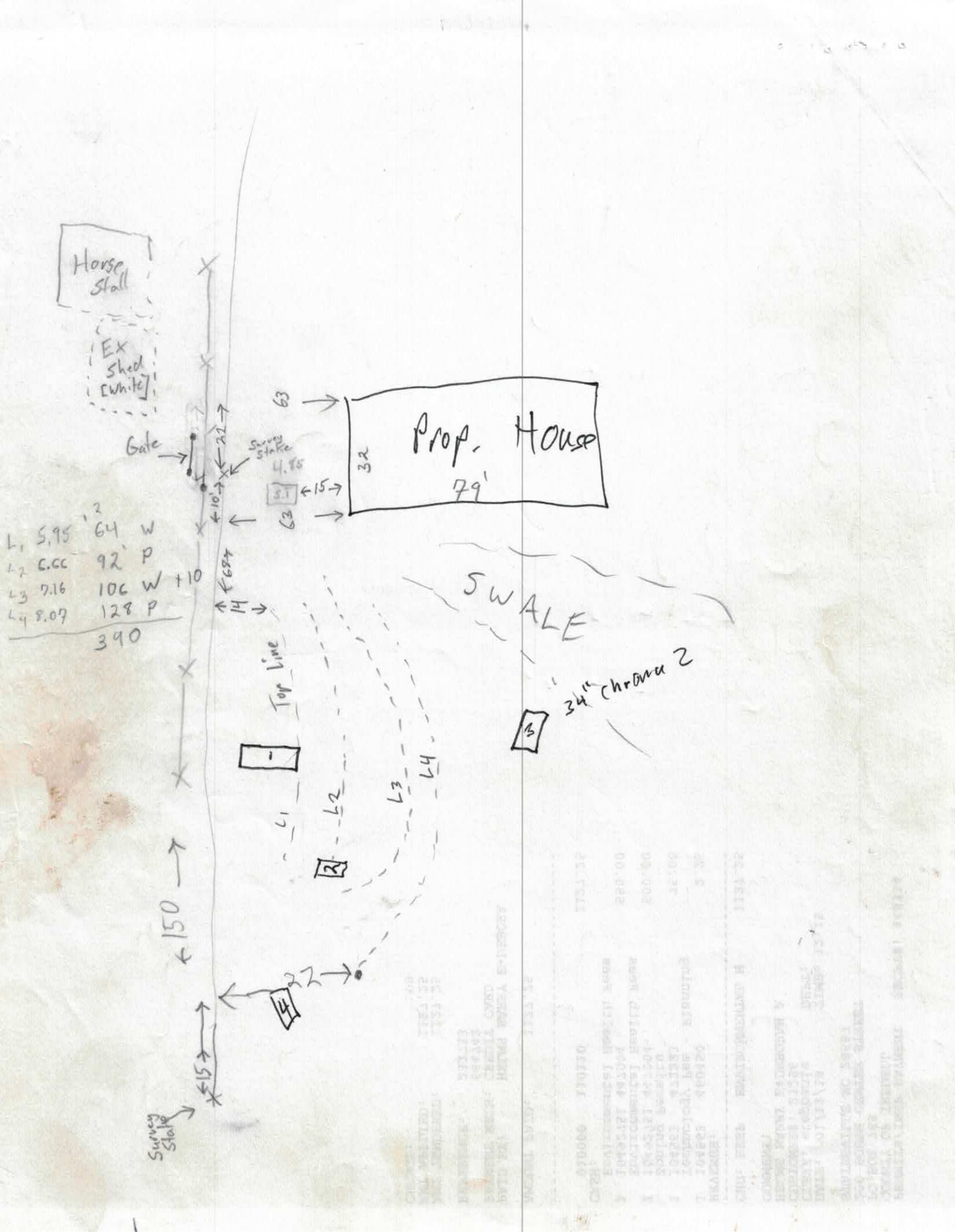
Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
9.138					CACL	X

Remarks:

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.

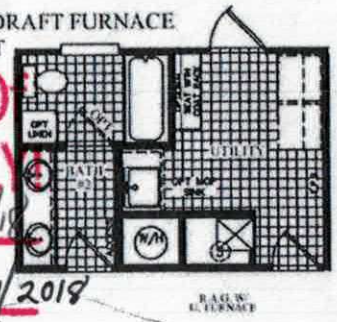
Applicant: _____ Date: _____

Permit Number	125754	TOTAL FEES:	$ 77.25

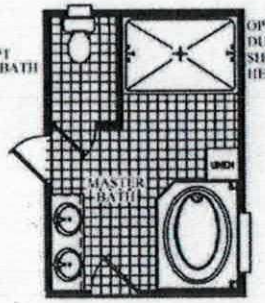

Horse Stall
Ex Shed [white]
Gate
Survey stake
4.85
Prop. House
79'
32
63
15
10'
21
68'
14
150
15
Survey Stake
SWALE
Top Line
34" chrome 2
1
2
3
4
L1
L2
L3
L4
L1 5.95 64 W
L2 6.66 92 P
L3 7.16 106 W
L4 8.07 128 P
390
+10

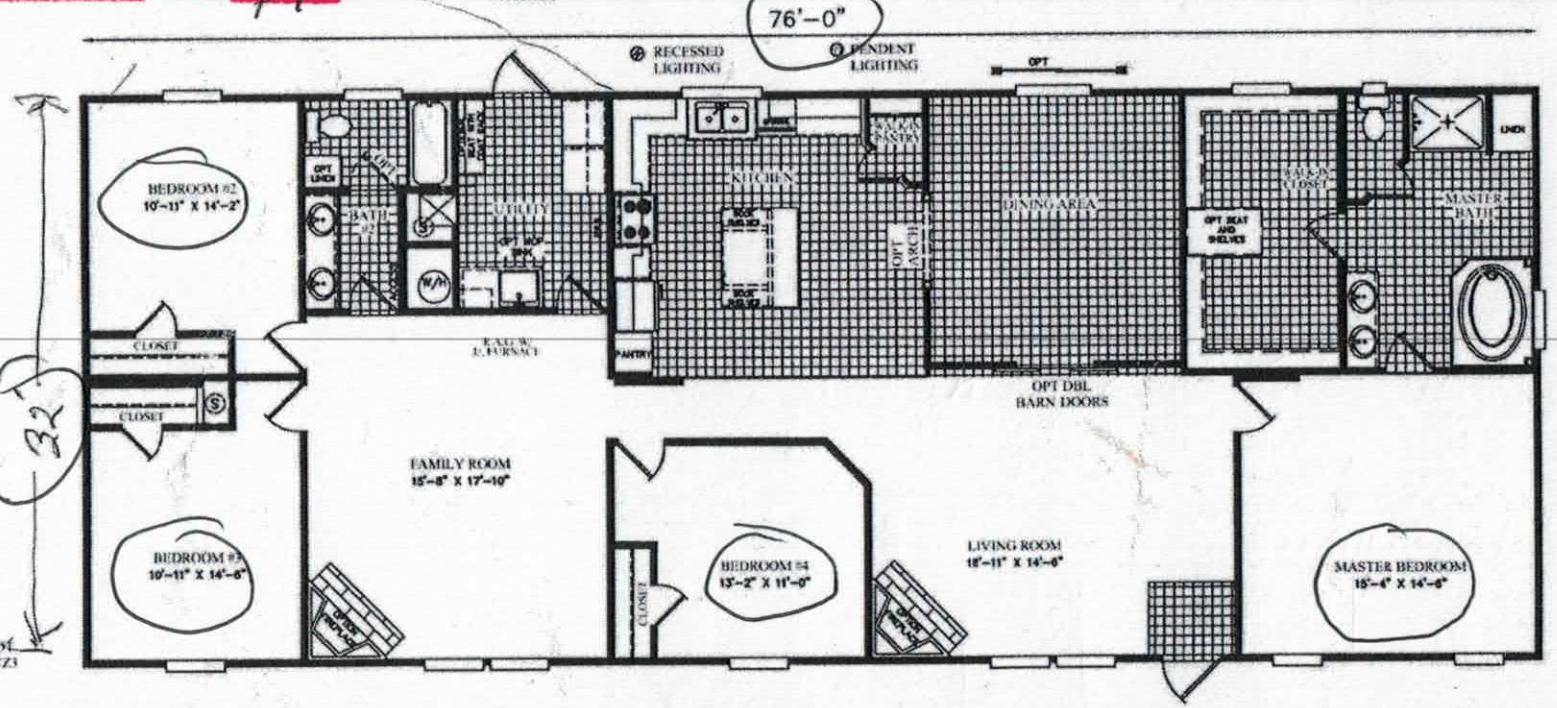
OPT UPDRAFT FURNACE LAYOUT

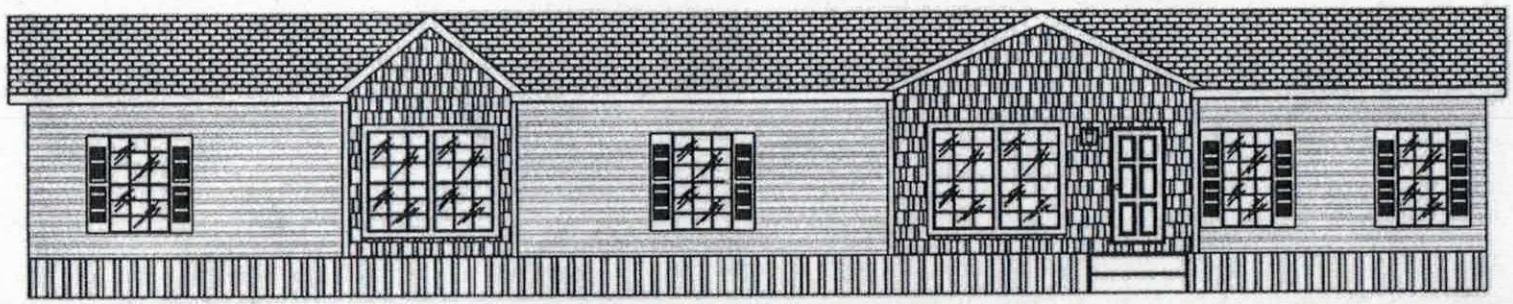
Acknowledgement Of
Plans Submittal ONLY
Alisha Craig Date 5/15/18
Tom Shuck Date 5/14/2018











HITCH-END

DATE: 07/21/2016	AREA	TOTAL: 2255 ft²	UNIT SPECIFICATIONS:	DRAWING/MODEL NUMBER:	ScotBilt HOMES, INC.
REVISED: B		LIVING SPACE: 2255 ft²	FREEDOM 32' X 80' 4 BEDROOM / 2 BATH	3276241FDM	
REFERENCE: M241		PORCH: 0 ft²			