IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

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

PERMIT# 128790 PIN# 4721-80-~~8501~~ 5148 DATE 6-9-05

OWNER OR CONTRACTOR RONNIE BROOME PHONE: Business 704-902-2057 Home 704-528-6837

ADDRESS P.O. BOX 248, TROUTMAN NC 28166

LOCATION OLD MOUNTAIN ROAD TO E. MONBO ROAD, TL HICKS CREEK ROAD, ON RIGHT AT BOX #234

SUBDIVISION ~~LOT~~ BLOCK / SECTION LOT LOT AREA ~~7.84~~ 4.84 AC SITE CLASS. PS DESIGN FLOW 480 L.T.A.R. 0.30 GPD/FT²

Septic Tank: ~~1000~~ Gallons; STB 1011 Date 2-2-05

Pump Tank: Gallons; PT Date

Pump Make: Model Serial No.

Nitrification Field: No Fields 1 Square Feet ~~REPAIR~~ 1600 Linear Feet 534'

No Lines 4 Trench Width 36" Max Trench Bottom Depth 36" Gravel Depth 12"

☑ New System ☐ Repair System Type: (I) II, III, IV, V, VI

System Description: CONVENTIONAL, GRAVITY

Repair System Description: 25% REDUCTION, GRAVITY

Maintenance Agreement Required: ☐ Yes ☑ No

☑ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other

No. Bedrooms 4 No. Bathrooms No. Employees

☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Water Supply: ☑ Individual ☐ Public ☐ Community WELL

Comments:/Conditions: ① AN "ACCEPTED SYSTEM" MAY ALSO BE USED, ② INSTALL LINES ON CONTOUR AS SHOWN ON ATTACHED SHEETS. ③ KEEP SYSTEM MINIMUM 100 FEET FROM WELL

INITIAL SITE SKETCH

SEE ATTACHED "FAST TRACK" PLAN BY ASHLEY ROLLANS

Comments:/Conditions: Yellow taffeta filter installed

Septic tank risers installed

AS BUILT SKETCH

25% Reduction

Quick (4) ex Fabrication

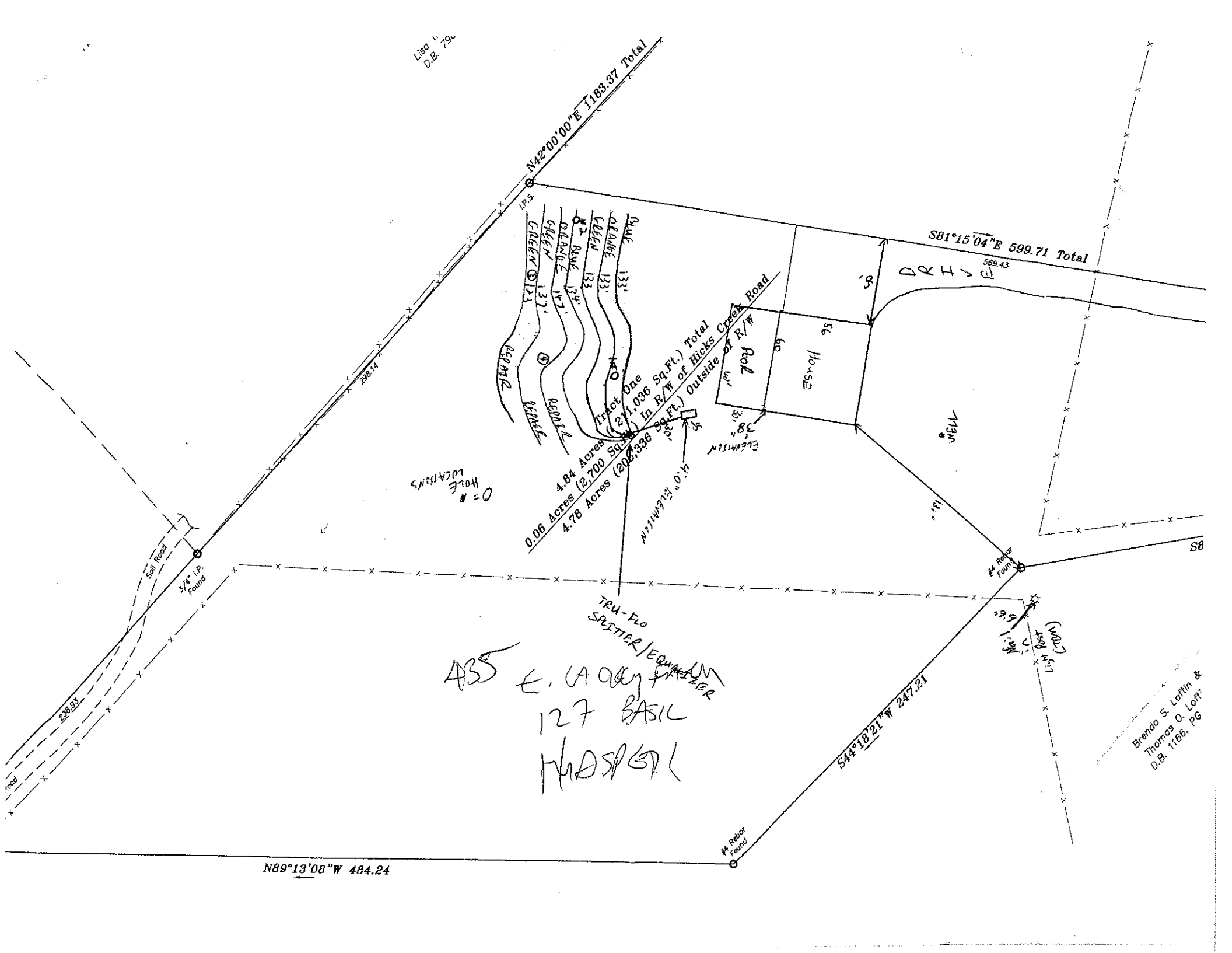
Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: Ronnie Broome date 6-9-05 Installed by: Tommy Faye

Improvement Permit by: STEVE HENDRICK date 6-9-05 Operation Permit by: [signature] date 9-19-05

Authorization to Construct by: STEVE HENDRICK date 6-9-05 Existing System Inspection by: date

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK


N42°00'00"E 1183.37 Total
S81°15'04"E 599.71 Total
569.43
N89°13'08"W 484.24
S44°18'21"W 247.21
298.14
238.93
Tract One
(21,036 Sq.Ft.) Total
(21,036 Sq.Ft.) In R/W of Hicks Creek Road
4.84 Acres
0.06 Acres (2,700 Sq.Ft.) Outside of R/W
4.78 Acres (208,336 Sq.Ft.)
Road
House
Dr
Tru-Flo
Splitter/Equalizer
Hole Locations
Brenda S. Loftin &
Thomas O. Loftin
D.B. 1166, PG
#4 Rebar Found
5/8" I.P. Found
Soil Road
Lisa L.
D.B. 796
I.P.S.
Creek
Bank
Orange
Green
Blue
Yellow
Purple
Red
133'
137'
127'
124'
123'
60'
56'
38'
Elevation
14.0' Elevation
Mag
Mail Box
435 E. Lacey
127 Basil
Hospital

GRAVITY 4-BEDROOM SYSTEM
FOR WASTEWATER TREATMENT

Owner: Ronnie Broome

Address: PO Box 248
Troutman, NC 28166
Phone: (704) 902-2057
County: Iredell
Location: Hicks Creek Road

Source of Wastewater Flow: 4 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 480 gpd
System Flow: Gravity/On-Demand

Design Specifications

System Type: Conventional
Drainfield Size: 534 Linear Feet
Loading Rate: 0.3 gpd/ft.^{2}
Depth of Gravel in Trench: ~~NA~~ 12"
Gravel Size: ~~NA~~ ASTM 5
Trench Depth: 36 in.
Trench Width: 36 in.
Septic Tank Size: 1000 min.
Pump Tank Size: NA

Estimated Supply Line Length: 30 feet
Supply Line Diameter: 3 in. sch 40 PVC
Supply Line Volume: NA
Dosing Volume: NA
Supply Manifold: NA
Supply Manifold Length: NA
Supply Manifold Volume: NA

Recommended Float Controls: NA

Recommended Control Panel:

Pressure Head: NA
Friction Head: NA
Elevation Head: NA
Total Dynamic Head: NA

Threaded Union: NA
Gate Valves: NA
NA
Check Valves: NA
Anti-Siphon Hole: NA

Recommended Pump: NA

NA
NA

Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services

204 Hicks Creek Road
DESIGN INFORMATION

DESIGN FLOW:	480
SOIL APPLICATION RATE:	0.3 gpd/ft.^{2}
TOTAL AREA TRENCH BOTTOM:	1600sf
TOTAL LATERAL LENGTH:	534
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	534
DISTRIBUTION METHOD	Flow Equalizer
SUPPLY LINE LENGTH:	30'
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000 min.
PUMP TANK SIZE:	NA
RECOMMENDED PUMP:	NA

204 Hicks Creek Road

LAYOUT FOR 4 BEDROOM HOME

June 7, 2005

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		6.5			100.00		
INSTR. 1			106.50				
HOUSE CNR				3.67	102.83		
S. TANK				4.00	102.50		
1	***BLUE***			***4.08***	***102.42***	***136***	***133***
2	***ORANGE***			***4.60***	***101.90***	***136***	***133***
3	***GREEN***			***4.83***	***101.67***	***136***	***133***
4	***BLUE***			***5.25***	***101.25***	***136***	***134***
5	ORANGE			5.75	100.75	143	143
6	GREEN			6.17	100.33	137	137
7	BLUE			6.42	100.08	123	123
					Total	**947**	**936**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	INNOVATIVE SYSTEM	DISTRIBUTION
** System*	*534*	*0.30*	*CON.*	*0.30*	~~*25% RED.*~~ *N/A*	***GRAVITY***
Repair	403	0.30	*INNOV.*	0.30	~~PPBPS~~ YES	LOW PRESSURE

Notes:

**Tbm is located on top of nail driven into light pole a corner of property shown on map
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings