

MICHAEL ATHANAS & ASSOCIATES
NORTH CAROLINA LICENSED SOIL SCIENTEST
1999 CANDLEWICK DRIVE
FORT MILL, SOUTH CAROLINA 29715

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Attached is an onsite wastewater septic design for a 3 bedroom residential home on lot 56 Wheatfield Subdivision in Iredell County, NC.

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WHEATFIELD LOT 56
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	Brazos Development
Phone:	704-201-6532
Address:	PO Box Troutman, NC 28166
County:	Iredell
Location:	lot 56 Wheatfield
Application for:	3 Bedroom Single Family Residence
Gallons per day:	360
Linear feet:	300
Loading Rate (gpd/ft.2):	0.3
Trench Depth:	36"
Trench Width:	36"
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply line Length/ft:	15
Supply Line Diameter:	3"
Dosing volume:	ON DEMAND
Lateral line volume:	N/A
Supply Manifold:	N/A
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	N/A
Friction Head:	N/A
Elevation Head:	N/A
Friction factor:	N/A
TDH:	N/A
Pump Run:	N/A
Threaded Union:	N/A
Gate Valves:	N/A
Check Valves:	N/A
Anti-Siphon Hole:	N/A
Design flow:	**N/A**
Trench Bottom FT/SQ:	**900**
Number of fields	**1**
Supply line length	**15'**
Draw down:	**N/A**
Comments:	Soil suitability was performed by Iredell County Health Dept.

*Pump tank draw down based on 21 gallons per inch. Draw down may vary depending on tank manufacturers.

WHEATFIELD LOT 56

SYSTEM TYPE	**25% REDUCTION**
SYSTEM LTAR	**0.3 GPD/FTSQ**
SYSTEM LINE LENGTH	**305**
REPAIR TYPE	*DRIP*
REPAIR LTAR	*0.1 GPD/FTSQ*
REPAIR LINE LENGTH	*4318 FT SQ*

LINE #	FLAG COLOR	SHOT ELEVATION		LINE LENGTH
1	*PINK*	*N/A*		*45*
2	*ORANGE*	*N/A*		*45*
3	*BLUE*	*N/A*		*65*
4	*ORANGE*	*N/A*		*45*
5	*PINK*	*N/A*		*105*
6	DRIP AREA	N/A		4318 FT SQ
			Total	**305**
TBM		*N/A*		
HOUSE CORNER		*N/A*		
TANK		*N/A*		

*SHOT ELEVATIONS PROOVE TO BE LESS THAN 2% IN SLOPE.