

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

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Attached is an onsite wastewater septic design for a 4 bedroom residential home on lot 77/78 Wheatfield Subdivision in Iredell County, NC.

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WHEATFIELD LOT 77/78
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	Brazos Development
Phone:	704-201-6532
Address:	PO Box Troutman, NC 28166
County:	Iredell
Location:	lot 77/78 Wheatfield
Application for:	4 Bedroom Single Family Residence
Gallons per day:	480
Linear feet:	400
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:	1200
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 77/78

SYSTEM TYPE	**25% REDUCTION**
SYSTEM LTAR	**0.3 GPD/FTSQ**
SYSTEM LINE LENGTH	**400**
REPAIR TYPE	*LP PPBPS*
REPAIR LTAR	*0.3 GPD/FTSQ*
REPAIR LINE LENGTH	*317*

LINE #	FLAG COLOR	SHOT ELEVATION	LINE LENGTH
1	YELLOW	N/A	45
2	BLUE	N/A	55
3	PINK	N/A	60
4	ORANGE	N/A	70
5	RED	*N/A*	87
6	***YELLOW***	***N/A***	***95***
7	***BLUE***	***N/A***	***100***
8	***PINK***	***N/A***	***100***
9	***ORANGE***	***N/A***	***105***
		Total	**717**
TBM		***N/A***	
HOUSE CORNER		***N/A***	
TANK		***N/A***	