WATERTREE LANDING LOT 84
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	COTTONWOOD HOMES
Phone:	704-746-6497
Address:	PO Box 2022 Cornelius, NC 28031
County:	Iredell
Location:	Watertree lot 84
Application for:	4 Bedroom Single Family Residence
Gallons per day:	480
Linear feet:	400
Loading Rate (gpd/ft.2):	0.3
Trench Depth:	36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply line Length/ft:	2
Supply Line Diameter:	3 in. SCH 40 PVC
Dosing volume:	ON DEMAND
Lateral line volume:	261.20
Supply Manifold:	SERIAL DIST.
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:	480
Trench Bottom:	1200
Number of fields	1
Supply line length	5
Draw down:	N/A
Comments:	Soil suitability was used from existing permit.

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

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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	*290*

LINE #	FLAG COLOR	SHOT ELEVATION		LINE LENGTH
1	***PINK***	***N/A***		***80***
2	***RED***	***N/A***		***110***
3	***ORANGE***	***N/A***		***110***
4	***BLUE***	***N/A***		***100***
5	RED	N/A		105
6	PINK	N/A		105
7	ORANGE	N/A		80
			Total	**690**
TBM		***N/A***		
HOUSE CORNER		***N/A***		
TANK		***N/A***		