FAST TRACK PLAN - June 27, 2012
Point Lot 715

Number of Bedrooms	5
Basement or crawl	basement with plumbing
Design flow (gpd)	600
Septic tank	1500 gal.
Primary System LTAR (gpd/ft^2)	0.3
Primary system type	25% reduction
Pump tank	1500 gal.
Number of lines	5 @ 108'
Total linear feet	540
Trench width	3' min. or equivalent
Trench spacing	9' apart
Pump required	yes
Distribution device	pressure manifold, 5 tap @ ½" sch 40 PVC
Maintenance agreement required	yes, Point subdivision requirements & off-site
Length and diameter of supply pipe	approx. 1000' of 3" sch 40 PVC(installed and checked in 2001, "both end marked")
Flow rate through the system	35.5 gpm
Elevation head	approx 40'
Pressure head	2.0'
Friction heal	15.2 + 5 + 20.2'
20% contingency	12.0'
Total head	72.2'
Pump requirements	36 gpm @ 72.2' of head with Gould WE15HH pump (to be verified by installer)
Maximum dosing volume	300 gal – 2.0 doses/day @ design flow
Volume of water pumped per dose	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump run per dose	approx. 8.45 min
Check valve	yes
Siphon break hole	no
Repair System	25% reduction
Total linear feet	500
Repair loading rate(gpd/ft^2)	0.3

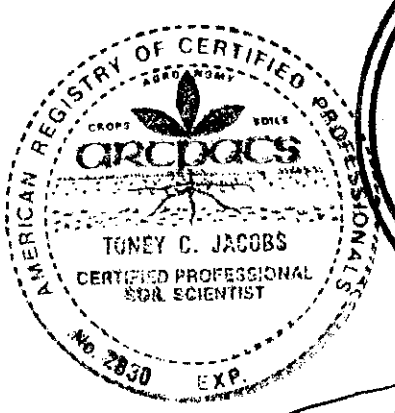
FAST TRACK FOR A REMOTE DRAINFIELD
LOW PRESSURE MANIFOLD DISTRIBUTION TO 25% REDUCTION
SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
193 Attleboro Place
Mooresville, North Carolina 28117

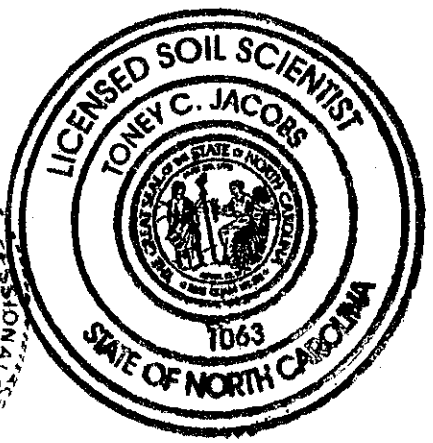
(AKA: The Point lot 715 & 715A)

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June 27, 2012





Toney C. Jacobs, LSS

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Iredell County Environmental Health