IREDELL COUNTY HEATLH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- X Property Line measurements are clearly identified...
- X All proposed structures are indicated...
- X *SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site*
- X Front and side setbacks from property line...
- X Preferred driveway location and configuration, preferred well location...
- X Area you prefer your septic system to be placed...
- X North arrow, or other sufficient indicator of direction...

Circle N/A on the following if appropriate:

- X Location of septic systems and wells within 100' of your property... N/A
- X Location of easements and rights of ways on your property... N/A
- X Location of any designated wetlands on the property... N/A

Signature: C. J. [illegible] 3/24/2011

REQUIRED property owner or owner's legal representative signature. DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached Plan 2



MICHAEL ATHANAS & ASSOCIATES
NORTH CAROLINA LISCENSED SOIL SCIENTEST
1999 CANDLEWICK DRIVE
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Attached is a septic design to move the existing tank for a 4 bedroom residential home at Bells Crossing Subdivision lot 100 in Iredell County, NC for a detached garage addition.

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Site Plan/System Plan	4

March 24, 2011

BELL CROSSING LOT 100
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	PINNACLE BUILDING
Phone:	704 361 1084
Address:	127B Promenade Dr. Mooresville, NC 28117
County:	IREDELL
Location:	Bells Crossing LOT 100
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. EXISTING
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply line Length/ft:	5
Supply Line Diameter:	3 in. SCH 40 PVC
Dosing volume:	ON DEMAND
Lateral line volume:	261.20
Supply Manifold:	SERIAL DISTRIBUTION
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.

BELLS CROSSING LOT 100

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	*400*

LINE #	FLAG COLOR	SHOT ELEVATION	LINE LENGTH
1 EXISTING	*PINK*	*N/A*	*100*
2 EXISTING	*ORANGE*	*N/A*	*100*
3 EXISTING	*BLUE*	*N/A*	*100*
4 EXISTING	*PINK*	*N/A*	*100*
5	REPAIR	N/A	PPBPS
		Total	**400**
TBM		*N/A*	
HOUSE CORNER		*N/A*	
TANK		*N/A*	

PROPOSAL TO INSTALL NEW SEPTIC TANK BECAUSE OF ENCROACHMENT FORM NEW GARAGE.