IREDELL COUNTY HEATLH DEPARTMENT

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…**
  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:

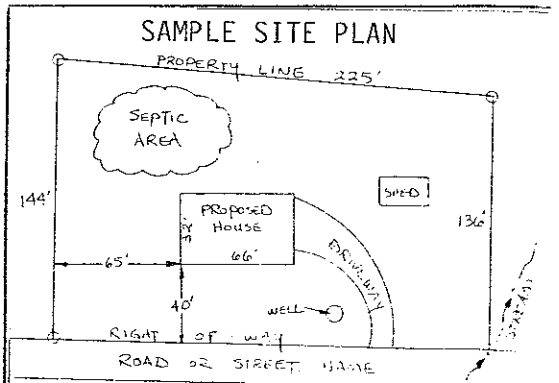
- N/A — **Location of septic systems and wells within 100' of your property…** N/A
- N/A — **Location of easements and rights of ways on your property…** N/A
- N/A — **Location of any designated wetlands on the property…** N/A

Signature: _____
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

7-14-16
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

* See attached site plan
* LHD should review O.P.'s for system locations on adjacent lots.



REV. 7-11-.

Lot 99 Bay Crossing System Specifications

Number of Bedrooms	5
Basement or Crawl	**Crawlspace**
Design Flow (gpd)	600
LTAR (gpd/ft2)	0.25 per ICHD existing IP
Primary System Type	**LP PPBPS**
No. Lines	6 (See Table)
Total Linear Feet	412
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	approx. 180' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	46.5 gpm
Elevation head	Approx. 21'
Pressure head	3.0'
Friction head	approx 8'
20% Contingency	6.4'
Total Head	38.4'
Pump Requirements	46.5 gpm @ 39' of head To be verified by installer.
Maximum Dosing Volume	335 gallons
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. 7.2 min.
Check Valve	yes
Siphon Break hole	no
Repair System	**LP PPBPS**
Total Linear Feet	405 (400 required)
Repair LTAR	0.25 per existng ICHD IP

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

REV 7-12-10

Table 1: Summary of Primary Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	orange	LPPPBPS	25 ft. endfed		5	5	1 per panel	5/32"
2	System	blue	LPPPBPS	74 ft. endfed		17	17	1 per panel	5/32"
3	System	pink	LPPPBPS	75 ft. endfed		17	17	1 per panel	5/32"
4	System	white	LPPPBPS	78 ft. endfed		18	18	1 per panel	5/32"
5	System	pink	LPPPBPS	80 ft. endfed		18	18	1 per panel	5/32"
6	System	blue	LPPPBPS	80 ft. endfed		18	18	1 per panel	5/32"
				Total System: 412'		Total: 93	Total: 93 (1 in each panel turned up)		
				Total Repair: 400'					

Rep.

		upper pink repair	1.6
		lower pink repair	9
Tank	white	1500 gal (2 compartment)	
Pump Tank	white	1500 gal.	15
House	LR Porch)		11.2

Note: **Installer shall verify all line locations, tank locations, and elevations prior to installation.** System is to be installed according to any other ICHD or DEH requirements or policies.