## 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:**

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

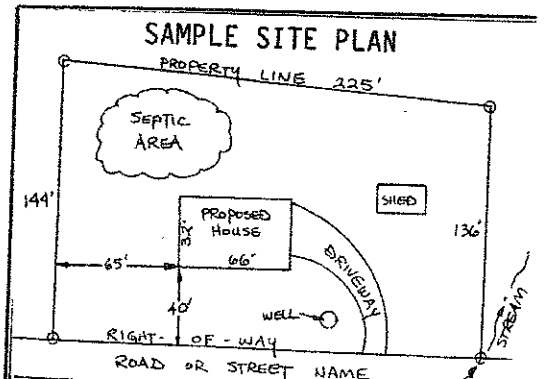
**Signature:** [signature]

**Property owner or owner's legal representative signature (SIGNATURE REQUIRED)**

5/2/2014
**DATE**

## USE THIS SPACE TO DRAW YOUR SITE PLAN

See Attached Plan





**MICHAEL ATHANAS & ASSOCIATES**
**LICENSED SOIL SCIENTIST**
**1999 CANDLEWICK DRIVE**
**FORT MILL, S.C. 29715**
**803-802-4403 (office)**
**803-802-4402 (fax)**

**Reference: Data Sheet for Falls Cove SD, Lot 634-636**
**House Footprint:** See attached plan
**Building Setbacks:** 35' front, 15' side, 50' lake
**Water Source:** Community well
**Number of Bedrooms:** 4/480 GPD
**Proposed LTAR:** 0.25 GPD/FT2 (initial), 0.3 GPD/FT2 (repair-ICHD)
**Proposed System Type:** 25% Reduction
**Predetermined Repair System Type:** PPBPS
**Distribution:** Pressure Manifold
**Flow per Tap:** 2 @ 5.48 GPM, 3 @ 7.11 GPM
**Tap Size and Material:** 2 @ ½" SCH 80, 3 @ ½" SCH40
**System Flow:** 32.3 GPM
**Dosing Volume:** 210 gallons
**Pump Run Time:** 6.5 minutes
**Elevation Head:** 12.1'
**Friction Head:** 1.7'
**Pressure Head:** 2'
**Total Dynamic Head:** 15.8'
**Supply Line Length:** 70'
**Septic/Pump Tank Size:** 1000/1000 gallons
**Proposed Trench Bottom:** 36"

| Line | Design Length | Actual Length | Elevation |
|---|---|---|---|
| **Pink 1** | **85'** | **85'** | **99.84'** |
| **White 2** | **90'** | **91'** | **98.47'** |
| **Blue 3** | **100'** | **104'** | **97.07'** |
| **Orange 4** | **105'** | **133'** | **95.52'** |
| **White 5** | **100'** | **103'** | **94.69'** |
| Blue 6 | | 100' | |
| White 7 | | 70' | |
| Orange 8 | | 119' | |
| Pink 9 | | 100' | |

**Initial System:** 480'
**Pump Tank:** 92.74'
**Repair System:** 389'
**House Corner:** 92.84'
**Benchmark:** 98.23'

**Comments:**

The SCH 80 taps will feed P1 and W2. The SCH 40 taps will feed B3, O4, and W5. Lot 634 has an offsite repair previously approved by ICHD. Lots 635 and 636 has both initial and repair on offsite easements. The builder plans to cut 12-18" of soil from a portion of the system area (pits 8, 3). The cut will start at approximately 18" and taper off as it goes down the hill. The cut should not extend below pit 2.

REPAIR SYSTEM AREA
680—COS
110,145 Sq Ft
2.529 Ac.
687—634A
16,556 Sq Ft
0.380 Ac.
687—633A
16,554 Sq Ft
0.380 Ac.
614
45,518 Sq Ft
1.045 Ac.
S33°42'38"E 271.78'
N33°42'38"W 271.78' (T)
S28°39'48"E 177.96'
N80°55'23"E 136.06' (T)
N10°41"E 449.53' (T)
179.72'
63.36'
72.70'
85.67'
143.00'
59.25'
118.71'
22.36'
4.48'
SILVER FALLS DRIVE
50' PUBLIC R/W
AER LAKE DRIVE
PUBLIC R/W
PSDE WIDTH VARIES
PSDE WIDTH VARIES
15' SSLE
35' MBS
18" RCP
20' PSDE
30" RCP
C123
C144
C139
C152
C96
C97
C140
L254
L256
L284
L283
L282
L247
50'
22'
45'
20'