THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 414 Barber Loop

Date: July 15, 2016

Attached is the septic specification information required to permit 414 Barber Loop for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the ICHD with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which these specifications are in accordance with. If the ICHD wishes to change tank locations, distribution devices, etc they may do so at their discretion.

All information and specifications have been prepared in conjunction with ICHD permitting guidelines for the current lot owners to acquire an Improvement Permit and/or Authorization to Construct on this lot. It is ultimately the ICHD's responsibility to verify all specifications, including soil descriptions, before permitting and/or septic system installation.

LICENSED SOIL SCIENTIST
KATHLEEN M. SAUNDERS
1313
STATE OF NORTH CAROLINA

Kathleen Saunders

Watertree Lot 43 Fast Track - The Oaks Group, PA

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	402
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	36"
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	433
Repair Loading Rate	0.2

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	LP PPBPS	40
2	Repair	Orange	LP PPBPS	70
3	Repair	Blue	LP PPBPS	81
4	Repair	Orange	LP PPBPS	80
5	Repair	Red	LP PPBPS	81
6	Repair	Orange	LP PPBPS	81
7	System	Orange	25% Reduction	68 endfed
8	System	Red	25% Reduction	68 endfed
9	System	Pink	25% Reduction	68 endfed
10	System	Blue	25% Reduction	66 endfed
11	System	Orange	25% Reduction	66 endfed
12	System	Red	25% Reduction	66 endfed
				Total System: 402'
				Total Repair: 433'

Note: Keep proper setbacks to foundation drains
Distribution devices and tank locations can be altered at ICHD's discretion
Tanks must be set to achieve gravity flow once final foundation placement is set