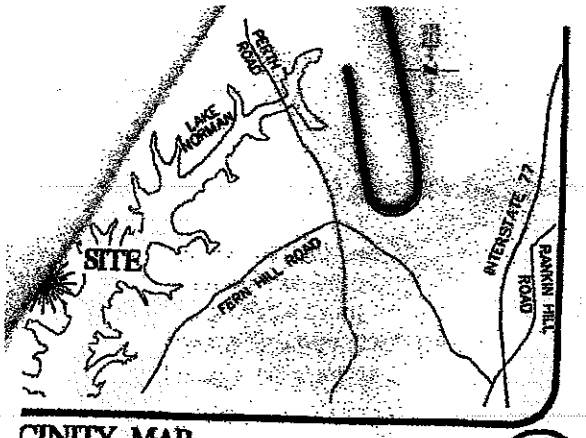
3. SETBACKS/ EASEMENTS SHOULD BE VERIFIED WITH DEVELOPER AND LOCAL OFFICIALS PRIOR TO CONSTRUCTION.
4. THIS IS A CONCEPTUAL DRAWING AND CONTENTS SHOWN HEREON ARE SUBJECT TO CHANGE UPON FINAL CONSTRUCTION.



CINITY MAP
ot To Scale

As built

APPROVED JUL 2 2 2016

16
FALL'S PARK
PHASE 2
BK 62 PG 2

17
FALL'S PARK
PHASE 2
BK 62 PG 2

N72°47'01"W
137.23'

25' REAR YARD

1"=50'

MB. 63 PG. 38

43,669 Sq Ft±
1.00 Ac.±

10' SETBACK

10' SETBACK

9.7' REPAIR P
120' REPAIR O
134' REPAIR P
134' REPAIR O
134' REPAIR P

11

25'
POOL
25'

12
FALL'S PARK
PHASE 2
BK 62 PG 2

S31°35'29"W
285.93'

Gas line

#446

368.63'
N31°44'12"E

10

39.0'

Duke Power line

NF 16
B-92'
P-100'
O-103'
B-112'
O-109'
P-68'

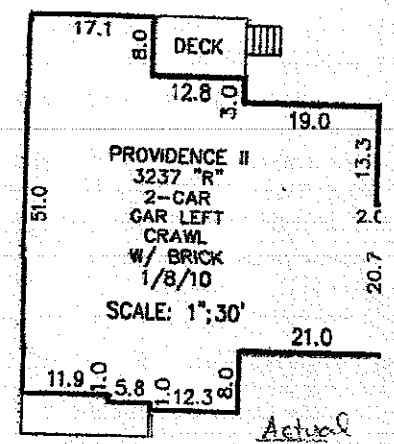
Drive

25' SETBACK

C1

STILLWATER

60' PUB



Actual
NF - 16
B - 92
P - 100
O - 103
B - 112
O - 109
P - 68

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

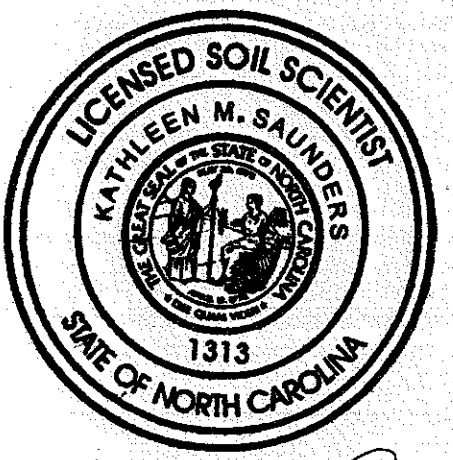
RE: Falls Park Lot 11

Date: July 7, 2016

Attached is the septic specification information required to permit Falls Park Lot 11 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.



Kathleen Saunders

Lot 11 Falls Park Subdivision Fast Track - The Oaks Group, PA

Number of Bedrooms	**5**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	600
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1500 gallon tank
Max Trench Bottom Depth [redacted]	24 inches
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	619
Repair Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	25% Reduction	97
2	Repair	Orange	25% Reduction	120
3	Repair	Blue	25% Reduction	134
4	Repair	Orange	25% Reduction	134
5	Repair	Pink	25% Reduction	134
6	System	Red	25% Reduction	50 endfed
7	System	Pink	25% Reduction	140 endfed
8	System	Orange	25% Reduction	140 endfed
9	System	Blue	25% Reduction	140 endfed
10	Repair	Red	25% Reduction	88 endfed
11	System	Pink	25% Reduction	42 endfed
				Total System: 600'.
				Total Repair: 619'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion

Lot 11 Falls Park Subdivision Fast Track - The Oaks Group, PA

Number of Bedrooms	**5**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	679 +/- (600 needed)
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1500 gallon tank
Max Trench Bottom Depth (Low Side)	24 inches
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	619
Repair Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	25% Reduction	97
2	Repair	Orange	25% Reduction	120
3	Repair	Blue	25% Reduction	134
4	Repair	Orange	25% Reduction	134
5	Repair	Pink	25% Reduction	134
6	System	Blue	25% Reduction	67 endfed
7	System	Pink	25% Reduction	145 endfed
8	System	Orange	25% Reduction	146 endfed
9	System	Blue	25% Reduction	139 endfed
10	Repair	Orange	25% Reduction	107 endfed
11	System	Pink	25% Reduction	75 endfed
				Total System: 679'.
				Total Repair: 619'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion
Line lengths are what was laid on the field without reductions for solid pipe through utility trenches.
Only 600 ft is needed; line lengths can be adjusted based on how much solid pipe is needed on each line.

Revised 7/18/16 KMS

Lot 11 Falls Park Subdivision Fast Track - The Oaks Group, PA

Number of Bedrooms	**5**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**600**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	600
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1500 gallon tank
Max Trench Bottom Depth (Low Side)	24 inches
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	619
Repair Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	25% Reduction	97
2	Repair	Orange	25% Reduction	120
3	Repair	Blue	25% Reduction	134
4	Repair	Orange	25% Reduction	134
5	Repair	Pink	25% Reduction	134
6	System	Blue	25% Reduction	88 endfed
7	System	Pink	25% Reduction	118 endfed
8	System	Orange	25% Reduction	118 endfed
9	System	Blue	25% Reduction	124 endfed
10	Repair	Orange	25% Reduction	92 endfed
11	System	Pink	25% Reduction	60 endfed
				Total System: 600'
				Total Repair: 619'

Note: Keep necessary setbacks to foundation drains if used
Tank locations and distribution devices can be altered at ICHD's discretion
Use old power line ditch as the distribution line

Per ICHD, it is assumed a minimum of 5 ft (power line) and 3 ft (gas line) of solid pipe will be needed whereever the utility lines cross the septic trenches

Utility lines should carefully be removed and relocated along the 10 ft utility easement parallel to each property line.

The old utility line trenches should be backfilled and tamped to prevent preferential flow pathways. It is up to the installer whether he wants to add concrete dams between each septic trench.

If concrete dams are used, they should extend at least 1 ft below the trench bottom depth for the septic trenches