THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

RE: 222 Washam Road

Date: February 8, 2016

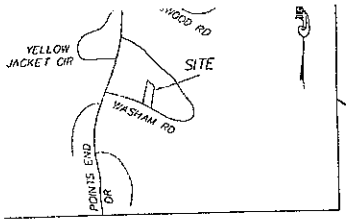
Attached is the septic specification information required to permit 222 Washam Road for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

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



REGULATIONS PRIOR TO ANY PLANNING OR CONSTRUCTION.
3) ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
4) ALL AREAS SHOWN HEREON WERE DETERMINED BY COORDINATE COMPUTATION.

CP = COMPUTED POINT (UNMARKED)
R/W = RIGHT-OF-WAY
EOP = EDGE OF PAVEMENT
C/L = CENTERLINE
= UTILITY POLE

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CH
C1	137.74'	679.06'	N 61°05'40"W	137

LINE TABLE		
LINE	BEARING	DISTA
L1	N 55°17'00"W	19.0

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DRAWN BY: SRW
DRAWING FILE NAME: 15214.WP12
PROJECT NO: 15214

HOUSE LOCATION PLAN FOR
IQ CUSTOM

HARRIS LAND SURVEYING,

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222 Washam Road Fast Track - The Oaks Group, PA

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	480
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1000 gallon tank
Max Trench Bottom Depth	24"
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	302
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Orange	LP PPBPS	66
2	Repair	Blue	LP PPBPS	85
3	Repair	Red	LP PPBPS	101
4	Repair	Pink	LP PPBPS	50
5	**System**	**Pink**	**25% Reduction**	**80 endfed**
6	**System**	**Red**	**25% Reduction**	**100 endfed**
7	**System**	**Blue**	**25% Reduction**	**100 endfed**
8	**System**	**Orange**	**25% Reduction**	**100 endfed**
9	**System**	**Pink**	**25% Reduction**	**100 endfed**
				Total System: 400'.
				Total Repair: 302'

Note: Pay careful attention to trench depth. Consider surface swale to keep surface water off system area
Tank and distribution device locations can be altered at the discretion of ICHD.
Keep proper setbacks if foundation drains are used

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

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SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Sheet:
Property ID:
Lot #: 12
File #:
AppID:

Owner: IQ Custom Construction
Applicant:
Address:
Date Evaluated: 2/3/16
Proposed Facility: SFR Design Flow (.1949) 480
Property Size: 0.93
Location of Site: 222 Washam Rd
Property Recorded:

Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	L ~5%	0-6	WK SBK SiL	FR SS/SP	Br R				0.275
		6-38	Mo SBK C	↓	R				
		38-49	WK SBK C	↓	R; C Sap, Few Pa				
2	L	0-12	WK SBK SiL	FR SS/SP	Br R				0.25
		12-28	Mo SBK C	↓	Br R; F C Mn ...				
		28-40	WK SBK C	↓	Br R; C Mn				
		40-48	WK SBK C	↓	Br R; C Mn, Few Br				
3	L	0-27	Mo SBK C	FR SS/SP	R				0.3
		27-48	WK SBK C	↓	R; F C Sap				
4	L ~5%	0-28	Mo SBK C	FR SS/SP	R				0.3
		28-44	Mo SBK C	↓	R; C Sap				
		44-50	WK SBK C	↓					

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	LP PPBPS
Site LTAR	0.25	0.3

Other Factors (.1946): Divert surface H2O from system
Soil Evaluation By: KMS
Others Present: ELH
Site Classification (.1948): PS
Site Evaluation By: KMS
Others Present: ELH

#5 L
0-28 Mo SBK C FR SS/SP R
28-39 Mo SBK C ↓ R; C yel Br
39-48 WK SBK C ↓ R; C yel Br
0.25