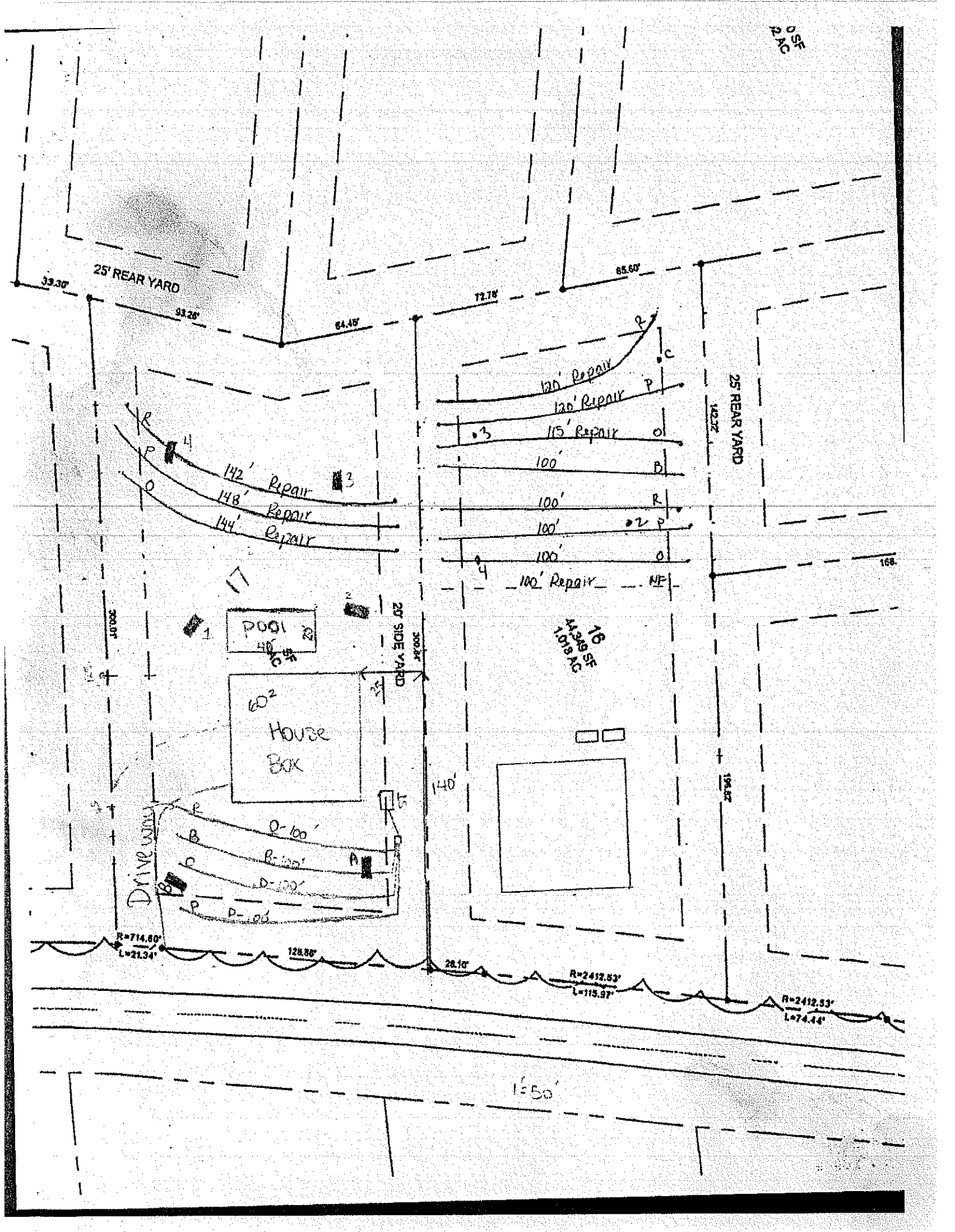

25' REAR YARD
33.30'
93.26'
64.45'
72.78'
85.60'
142.32'
25' REAR YARD
120' Repair
120' Repair
115' Repair
100'
100'
100'
100'
100' Repair
142' Repair
148' Repair
144' Repair
POOL
20'
40'
20' SIDE YARD
300.01'
300.24'
60²
House
Box
140'
195.85'
168.
16
44,249 SF
1.015 AC
Driveway
Q-100'
R-100'
D-100'
D-100'
R=714.80'
L=21.34'
128.80'
28.10'
R=2412.53'
L=115.97'
R=2412.53'
L=74.44'
1"=50'

Falls Park Lot 17 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	4 (See Table)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	D Box
Tank Size	1000 gallon tank
Max Trench Bottom Depth	36"
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	434
Repair Loading Rate	0.3
Trench Depth	36"

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	25% Reduction	142
2	Repair	Pink	25% Reduction	148
3	Repair	Orange	25% Reduction	144
4	System	Pink	25% Reduction	100 endfed
5	System	Orange	25% Reduction	100 endfed
6	System	Blue	25% Reduction	100 endfed
7	System	Red	25% Reduction	100 endfed
				Total System: 400'
				Total Repair: 434'

Note: Driveway location can moved at the discretion of the ICHD
Remove any existing agricultural berms
Tank and distribution device locations/type can be altered at the ICHD discretion
Keep proper setbacks to foundation drains if used.

On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner: Falls Park LLC
Address:
Proposed Facility: SFR
Design Flow (.1949) 480
Location of Site: Lot 17

Applicant:
Date Evaluated: 3-31-14
Property Size: 1.017
Property Recorded:

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

PROFILE #	a. 1940 Landscape Position/ Slope%	SOIL MORPHOLOGY 1941 Horizon Depths (IN.)	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	0-18	Mo SBKC	FR SS/SP	Red				0.35
		18-48	WK SBKC	FR SS/SP	Red; C sap				
2	L	0-22	Mo SBKC	FR SS/SP	Red				0.3
		22-48	WK SBKC	FR SS/SP	Red; C sap				
3	L	0-34	Mo SBKC	FR SS/SP	Red				0.3
		34-50	WK SBK C	FR SS/SP	Red, F sap				
4	L	0-16	Mo SBKC	FR SS/SP	Red				0.3
		16-36	WK SBKC	FR SS/SP	Red, F Sap				
		36-48	MA L SAP	FR SS/SP	mulch				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

Other Factors (.1946): Remove Berms
Soil Evaluation By: KMS
Others Present: DB
Site Classification (.1948): PS
Site Evaluation By:
Others Present:

Project #: _____ Sheet: 1

Property ID #: Lot 17

County: Iredell

SOIL/SITE EVALUATION

Date Evaluated: 8/4/15

Owner or Client: [illegible] Homes

Proposed Facility: _____ Design Flow: _____ Property Size: _____

Location of Site: Hallcrest Lot 17

Soil Described By: [illegible] Others Present: _____ Site LTAR: Int. _____ Rep. _____

Antecedent Moisture: _____ Weather: _____ Site Classification: _____

Water Supply: [X] Public [ ] Community [ ] On-Site Well [ ] Spring [ ] Other

Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut

Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

OK

PROFILE #	Lscp. Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY Structure	Texture	Consistence	PROFILE FACTORS Inclusions	Matrix Color	Mottles	Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
A	L	[illegible]	WK SBK SCL	FR [illegible]			R		↑	
		17-37	WK ABK C	FR [illegible]			R		Quartz vein	
		37-48	WK SBK C	FR [illegible]		C Sap	R		↓	0.3 ✓
B	L	0-16	MD SBK/WK ABK C	FR SS/SP			R			
		16-52	WK SBK CL	FR SS/SP		C Sap	R			0.3 ✓

COMMENTS: _____