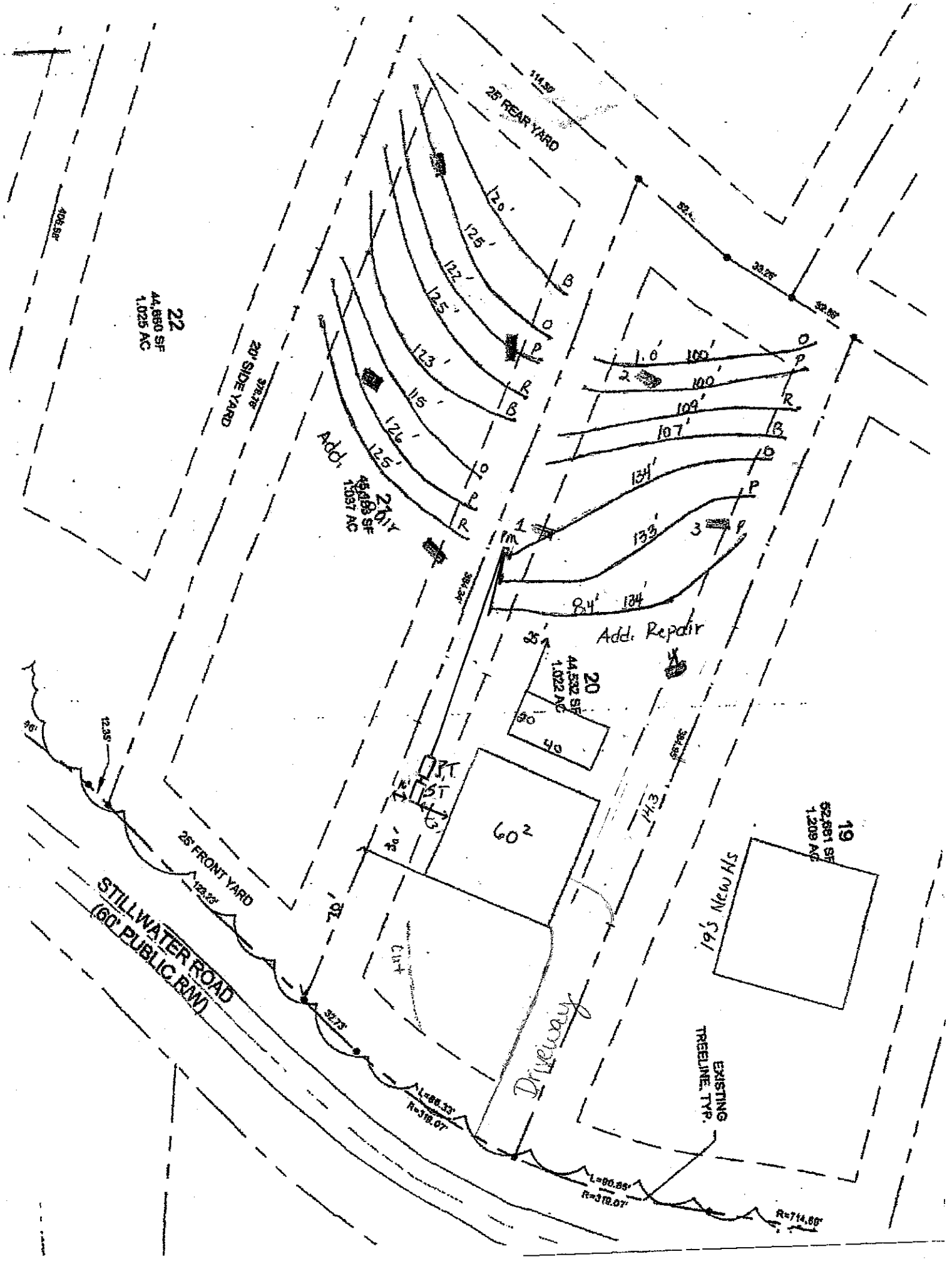

22
44,650 SF
1.025 AC
21
45,489 SF
1.037 AC
20
44,532 SF
1.022 AC
19
52,881 SF
1.209 AC
25' REAR YARD
20' SIDE YARD
25' FRONT YARD
STILLWATER ROAD
(60' PUBLIC R/W)
Add.
Add. Repair
Driveway
EXISTING
TREELINE, TYP.
60'
120'
125'
122'
123'
115'
126'
125'
134'
133'
107'
109'
100'
84'
L=66.33'
R=319.07'
L=60.88'
R=319.07'
R=714.69'

Falls Park Lot 20 Fast Track Septic Spec Sheet

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	3 (See Table)
Total Linear Feet	401
Trench Width	3' min.
Trench Spacing	9' min.
Max Trench Depth	36"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	145' of ~~1.5"~~ 2" SCH 40 PVC
Flow Rate through the system	~~16.5~~ gpm
Elevation head	Approx. 19.3'
Pressure head	~~2.0~~ 3.0'
Friction head	2.7'
20% Contingency	4.8'
Total Head	28.8'
Pump Requirements	20 ~~16.5~~ gpm @ 28.8' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	14.5
Repair System	**25% Reduction**
Total Linear Feet	416
Repair Loading Rate	0.3

ck per Kath via phone

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Orange	25% Reduction	100	1
2	Repair	Pink	25% Reduction	100	
3	Repair	Red	25% Reduction	109	
4	Repair	Blue	25% Reduction	107	
5	System	Orange	25% Reduction	134 endfed	
6	System	Pink	25% Reduction	133 endfed	
7	System	Red	25% Reduction	134 endfed	8.4
				Total System: 401'	
				Total Repair: 416'	

Tank	orange	1000 gal (2 compartment)	
Pump Tank	orange	1000	14.3
House	staked		

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	3
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: All rod readings should be verified by installer prior to installation
Tank Locations and distribution devices may be altered at the discretion of the ICHD
Use proper setbacks if foundation drains are used

On-Site Wastewater Section

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner: Falls Park LLC
Applicant:
Address:
Date Evaluated: 3-31-14
Proposed Facility: SFR
Design Flow (.1949) 480
Property Size:
Location of Site: Lot 20 Falls Park S/D
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

Soils OK JA

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	0-10	Mo GR SL	FR NS/NP	Br				0.3
		10-30	Mo SBK C	FR SS/SP	Red				
		30-48	WK SBK CL	FR SS/SP	Red; F/C sap				
2	L	0-22	Mo SBK C	FR SS/SP	Red				0.3
		22-50	WK SBK CL	FR SS/SP	Red; C/M sap (VF i < 1/3 pit)				
3	L	0-30	Mo SBK C	FR SS/SP	Red				0.3
		30-52	WK SBK CL	FR SS/SP	Red; C sap (yel Br)				
4	L	0-26	Mo SBK C	FR SS/SP	Red				0.3
		26-48	WK SBK CL	FR SS/SP	Red; C sap				

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: