FAST TRACK FOR A
GRAVITY 25% REDUCTION SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
FALLS PARK SUBDIVISION
526 STILLWATER ROAD – LOT 18
TROUTMAN NC

Prepared for
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Copy: Iredell County Health Dept.
Statesville, NC

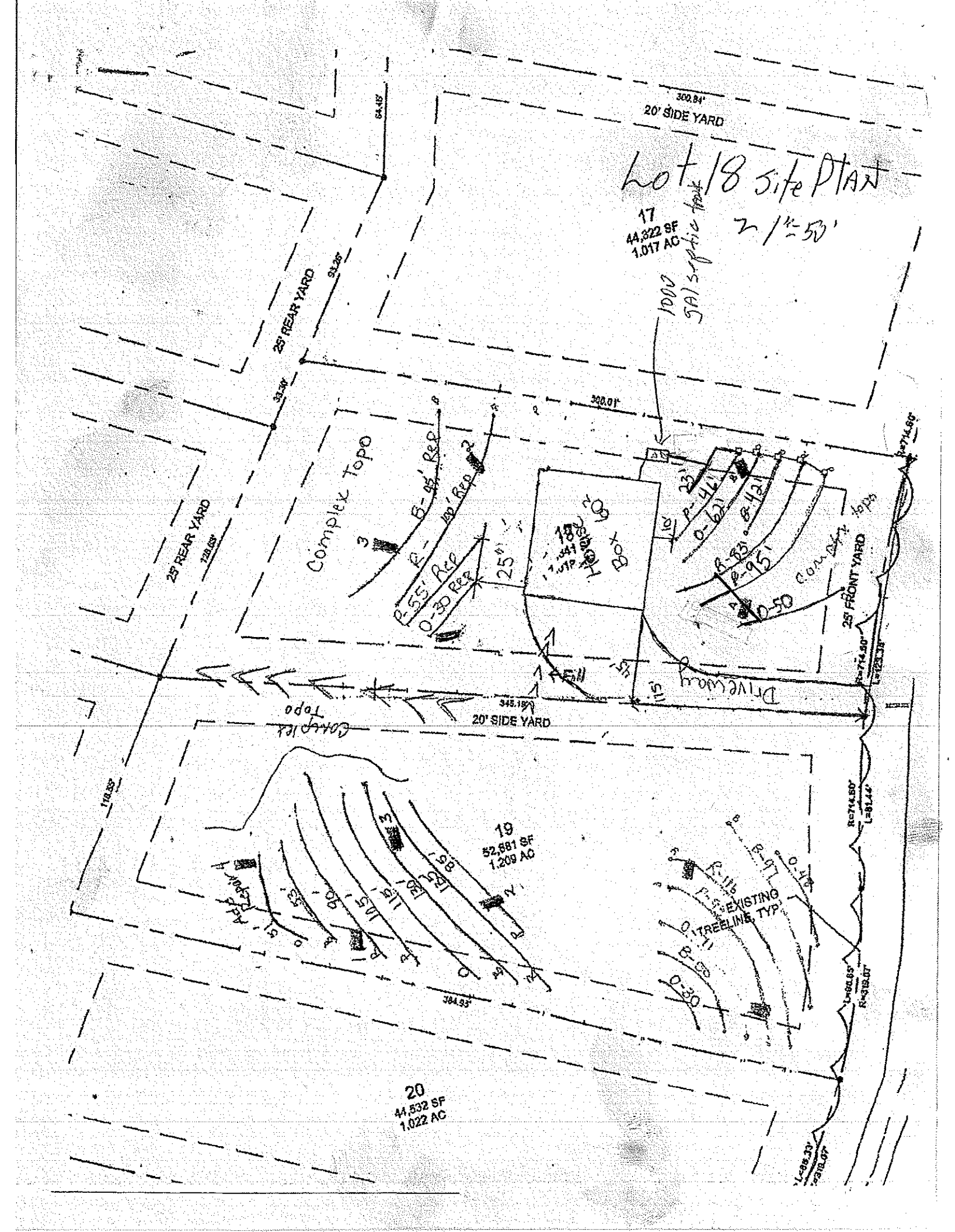
Toney C. Jacobs, LSS

Kathleen M. Saunders, LSS

DESIGN SPECIFICATIONS
526 Stillwater Road – Lot 18 Falls Park Subdivision

Daily design flow	480 gpd.
Septic tank size	1000 gal.
Initial system	400' of 25% reduction, 7 @ varying lengths 24', 50', 61', 39', 82', 94', 50'
Effluent loading rate, Initial system	0.3 gpd/ft^2
Total length and diameter of supply pipe	approx. 20 ft.
Number and length of laterals	7 @ serial distribution
Trench depth	3\~~2~~" maximum on ~~low~~ high side KMS
Effluent loading rate, Repair system	0.3 gpd/ft^2
Repair system	pressure distribution T&J Panel designated on site plan as 95', 100', 55', 30'
Design constraints	remove old berms/terraces
Protected zone	there has to be a 25' protected zone between the lowest septic repair line and any drain, and 15' to any cut greater than 2'.

* Keep proper setbacks to foundation drain if used
Kathleen Saunders


Lot 18 Site Plan
1" = 50'
17
44,322 SF
1.017 AC
20' SIDE YARD
25' REAR YARD
25' FRONT YARD
Complex Topo
Driveway
18
1,341
1.019
Box
19
52,661 SF
1.209 AC
20
44,532 SF
1,022 AC
EXISTING TREELINE, TYP.

Onsite Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner: Falls Park, LLC
Address:
Applicant:
Proposed Facility: SFR
Design Flow (.1949) 480
Date Evaluated: 3-31-14
Location of Site: Lot 18
Property Size:
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 OF HS

Profile ID	Landscape Position / Slope %	Horizon Depth (In)	Soil Morphology: Structure / Texture	Soil Morphology: Consistence / Mineralogy	Profile Factors: Soil Wetness / Color	Soil Depth (In)	Sapro Class	Restr Horiz	Profile Class & LTAR
1	L	0-12	Mo SBK C	FR SS/SP	Red				0.3
		12-24	WK SBK C	FR SS/SP	Red; C sap				
		24-41	MA L SAP	FR SS/SP	Multi				
2	L	0-26	Mo SBK C	FR SS/SP	Red	Gravel			0.3
		26-49	WK SBK CL	FR SS/SP	Red; F/C sap &				
3	L	0-8	Mo SBK C	FR SS/SP	Red				0.35
		8-36	WK SBK CL	FR SS/SP	Red; C/M sap				
		36-48	MA L SAP	FR SS/SP	R yel				
4	L	0-18	Mo SBK C	FR SS/SP	Red				0.35
		18-34	WK SBK CL	FR SS/SP	Red; C sap				
		34-50	WK SBK L	FR SS/SP	yel R; M 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:

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

Sheet:
Property ID:
Lot #:
File #:
Appl ID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner:
Address:
Proposed Facility: Design Flow (.1949)
Location of Site: Lot 18

Applicant:
Date Evaluated:
Property Size:
Property Recorded:

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

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
A	L	0-23	MoSBKC	FR SS/SP	R				0.3
		23-37	WKSBKCL	↓	R; C sap				
		37-55	MA L Sap	↓	Multi				
B	L	0-10	MoSBKC	FR SS/SP	R				0.3
		10-30	WKSBKC	↓	R; C sap				
		30-55	MA L Sap	↓	R Br				

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

Other Factors (.1946):
Soil Evaluation By:
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present: