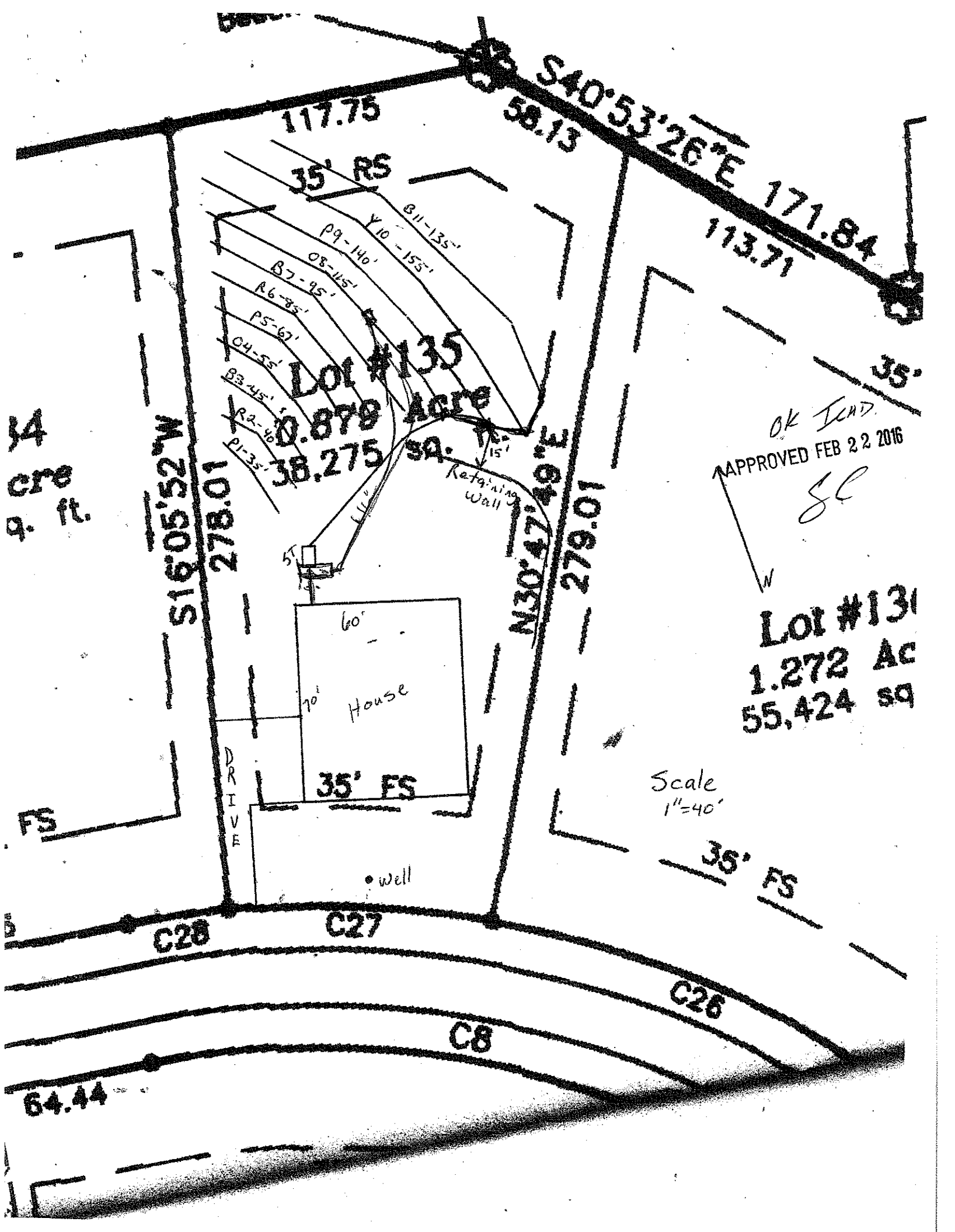

S40°53'26"E 171.84
117.75
58.13
113.71
35' RS
B11-135'
Y10-155'
P9-140'
O8-125'
B7-95'
R6-85'
P5-67'
O4-55'
B3-45'
R2-40'
P1-35'
Lot #135
0.879 Acre
38,275 sq. ft.
S16°05'52"W
278.01
N30°47'49"E
279.01
Retaining Wall
15'
5T
60'
70'
House
DRIVE
35' FS
well
FS
C28
C27
C26
C8
64.44
35'
OK ICAD
APPROVED FEB 22 2016
SC
Lot #13
1.272 Ac
55,424 sq
Scale
1"=40'
35' FS



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

OK ICHD
APPROVED FEB 22 2016
SE

Reference: Data Sheet for Anniston 135
House Footprint: 70' x ~~90'~~ 60'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 5/600 GPD
Predetermined LTAR: 0.275 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Drop boxes/end cap
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 24-36"

Line	Design Length	Actual Length
Pink 1		35'
Red 2		40'
Blue 3		45'
Orange 4		55'
Pink 5		67'
Red 6		85'
Blue 7		95'
Orange 8	**115'**	**115'**
Pink 9	**140'**	**142'**
Yellow 10	**155'**	**155'**
Blue 11	**135'**	**135'**

Initial System: 545' **Repair System:** 422'

Comments:
The purpose of this evaluation is to redesign the system to fit the proposed retaining wall. The retaining wall will be built to raise the house elevation. MA&A merely adjusted the previous lay out to meet the setbacks from the proposed retaining wall. The previous flags are still in place. The house box is not marked because the area of the house is being graded. The retaining wall has been located by a surveyor. Please call MA&A prior to site visit.

ENT OF ENVIRONMENT AND NATURAL RESOURCES
OF ENVIRONMENTAL HEALTH
WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Niblock Development Corp
ADDRESS: 300 McGill Ave NW Concord NC 28027
PROPOSED FACILITY: SFR
LOCATION OF SITE: Shearers Rd S, Lt on Hanestown Way Rt on Burnett Pl Rt on Walking Horse
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☒ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
PROPOSED DESIGN FLOW (.1949): 600 gpd
APPLICATION DATE: 4/3/08
DATE EVALUATED: 3/08
PROPERTY SIZE:
PROPERTY RECORDED:
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	P135A L/20-30%	0-40	RBc vfmabk	FrSSS SEXP					
		40-56	RCl wfsbk	" " " "	C sap	56	–	–	PS 0.3
2	P135B L/20-30	0-16	BR cl vfsbk/abk	FrSSP SEXP					
		16-60	RBC vfmabk/sbk	FrSSP SEXP		60	–	–	PS 0.275-0.3
3	P135C L/20-30	0-18	RB C mmAbk	FrSSSP SEXP					
		18-28	RY cl vwsbk	" " " "	- mod sap	28	PS	–	PS 0.35-0.4
		28-65	var'g l mass	" " " "					
4	P135D L/20-30	0-25	RBcl wsbk	FrSSSP SEXP	f, -c, sap				
		25-62	var'g l mass	" " " "		25	PS	–	PS 0.4

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Hampton pk 4 Lot 135 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
A 1	CV 20-25%	0-34	mSbk C	fr SS sp Sa v					PS .3
		34-55	wSbk CL	fr SS sp Sa p	Many mica com Sap				
B 2	CV ~30%	0-27	mSbk CL	fr SS sp Sa v					PS .275
		27-60	mSbk C	fr SS sp Sa v					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____