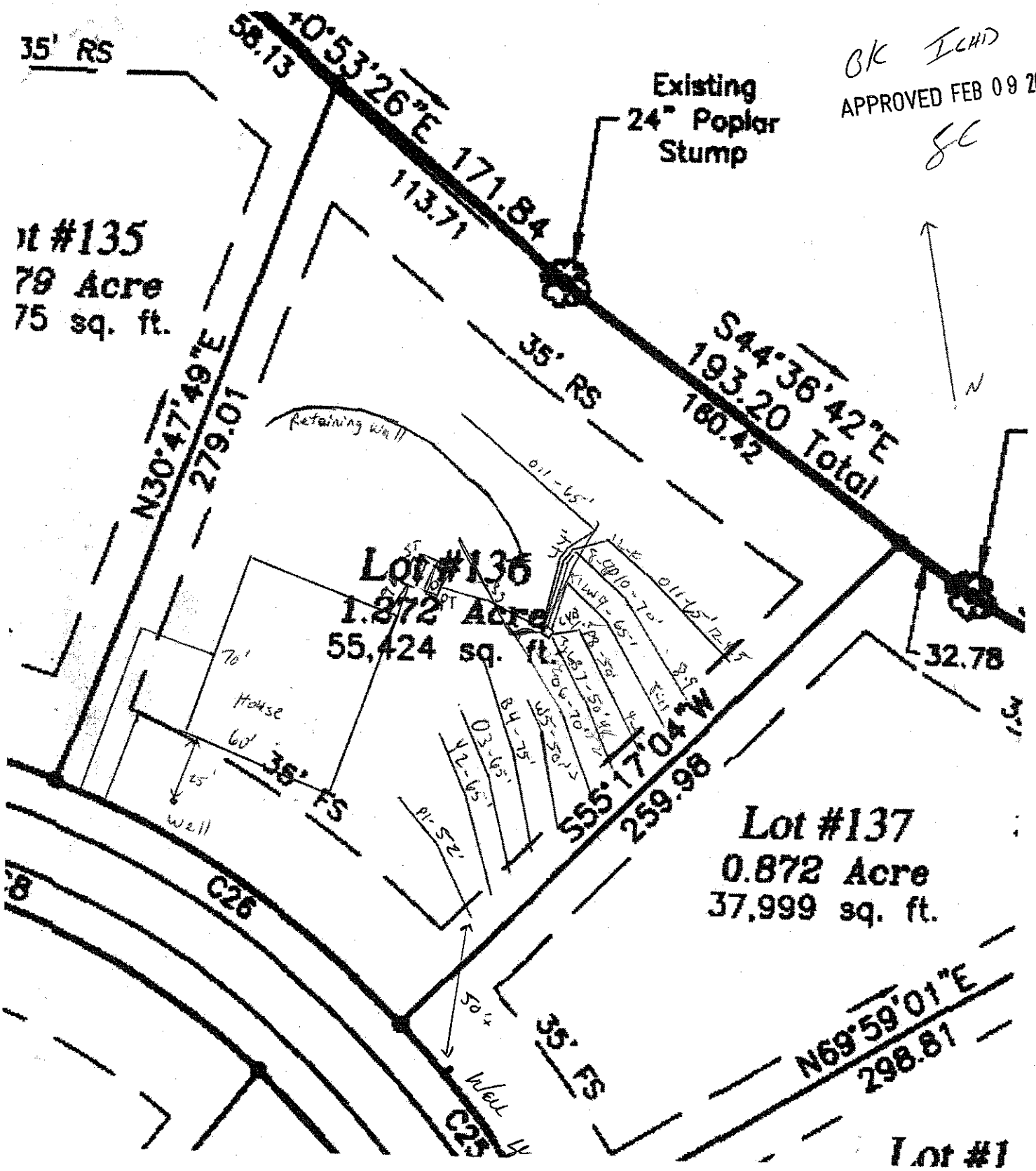

35' RS
56.13
S0°53'26"E 171.84
113.71'
Existing
24" Poplar
Stump
BK ICHD
APPROVED FEB 09 2016
SC
Lot #135
79 Acre
75 sq. ft.
N30°47'49"E
279.01
35' RS
S44°36'42"E
193.20
180.42 Total
N
Retaining Wall
Lot #136
1.872 Acre
55,424 sq. ft.
70'
House
60'
35' FS
25'
well
C26
C25
S55°17'04"W
259.98
32.78
Lot #137
0.872 Acre
37,999 sq. ft.
35' FS
N69°59'01"E
298.81
Lot #1
Scale
1"=50'

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

Reference: Data Sheet for Anniston SD, Lot 136
House Footprint: 70' x 90'
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: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 50.2 GPM
Dosing Volume: 306 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 0.8'
Friction Head: 2.1'
Pressure Head: 2'
Total Dynamic Head: 2.9'
Supply Line Length: 45'
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36"

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Line	Design Length	# of Panels	Actual Length	Elevation
Pink 1			52'	8.8'
Yellow 2			65'	11.3'
Orange 3			65'	13.5'
Blue 4			75'	15.6'
White 5			50'	16.9'
Orange 6			70'	18.5'
Blue 7	**50'**	**12**	**58'**	**20.0'** ✓
Pink 8	**50'**	**12**	**50'**	**21.5'**
White 9	**65'**	**15**	**70'**	**23.2'**
Pink 10	**70'**	**16**	**87'**	**26.8'**
Orange 11	**65'/65'**	**15/15**	**147'**	**29.3'** ✓

Initial System: 365' **Repair System:** 377'
Pump Tank: 15.8' **House Corner:** 14.4' **Benchmark:** 3.7'

Comments:
This system is being redesigned because the developer is building a retaining wall to bring the house higher in 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. This system is changing from a 25% Reduction system to a PPBPS. 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.

OK ICHD

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SL

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

Sheet ___ of ___
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Niblock Development Corp
ADDRESS: 520 McGill Ave NW Concord NC 28027 APPLICATION DATE: 4/3/03
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 600gpd DATE EVALUATED: 3/03
LOCATION OF SITE: Shearers Rd S, Lt on Amesbury Way Rt on Burwell PPH on PROPERTY SIZE:
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☒ Other Walking Horse PROPERTY RECORDED:
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixe

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	P136A L/15-20%	0-12	B cl wsbk/gr	Fr SS SP SE xp					PS
		12-36	Rc mfsbk/ALK	" " " "					
		36-52	Rcl mfsbk	" " " "	-f-c soap	52	-	-	0.3
2	P136B L/~~10-15~~%	0-40	Rc mmsbk	Fr SS SP SE xp					PS
		40-52	Rcl mfsbk	" " " "	-f soap	52	-	-	0.3
3	L/10-15	0-13	B cl gr	Fr SS SP SE xp					PS
		13-40	Rc mfsbk	" " " "		52	-	-	
		40-52	Rcl mfsbk	" " " "	-vf soap				0.3
4	136D L/15-20	0-7	B cl gr	Fr SS SP SE xp					PS
		7-23	Rc mmsbk/ALK	" " " "					
		23-36	Rcl vmsbk	" " " "	-E soap	36	PS	-	0.3
		36-60	Verigl mass	" " " "					

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: