Approved 6-8-15 AP



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
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Reference: 135 Harbor Landing Dr., Harbor Landing Sec. 3, Lot 36
House Footprint: See attached
Building Setbacks: 35' front/rear, 15' side
Water Source: Community water
Number of Bedrooms: 3/360 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-drop boxes/end caps
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36" maximum

Line	Design Length	Actual Length
Orange 1		25'
Pink 2		36'
Orange 3		51'
Pink 4 (ex)	Abandon	100'
White 5 (ex)	**100'**	**100'**
Orange 6 (ex)	**100'**	**100'**
Pink 7	**100'**	**100'**
White 8		100'

Initial System: 300' **Repair System:** 212'

Comments:
The purpose of this evaluation is to make room for a pool. MA & A is proposing to abandon the top existing line (P4) and install a new line. We are also proposing to abandon the existing tank and adding a new septic tank. The current fence is on top of septic field. The owner is going to move the fence back to the property line. The old tank is marked in red. The new tank and the pool are marked in blue. The repair area is laid out on 8' centers. We performed one soil observation to confirm the LTAR.

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

Sheet _1_ *of* _1_
PROPERTY ID #: 4638865874
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Approved 6-8-15 AcP

OWNER: Susan Clohecy
ADDRESS: 135 Harbor Landing Dr. Mooresville, NC
PROPOSED FACILITY: 3 bdrm
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: Harbor Landing Lot 36; 135 Harbor Landing Dr
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.545 AC
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	
1	LS 7%	0-24	R C SBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3+
		24-48	R CL WSBK	FR SS SP					
2									
3									
4									

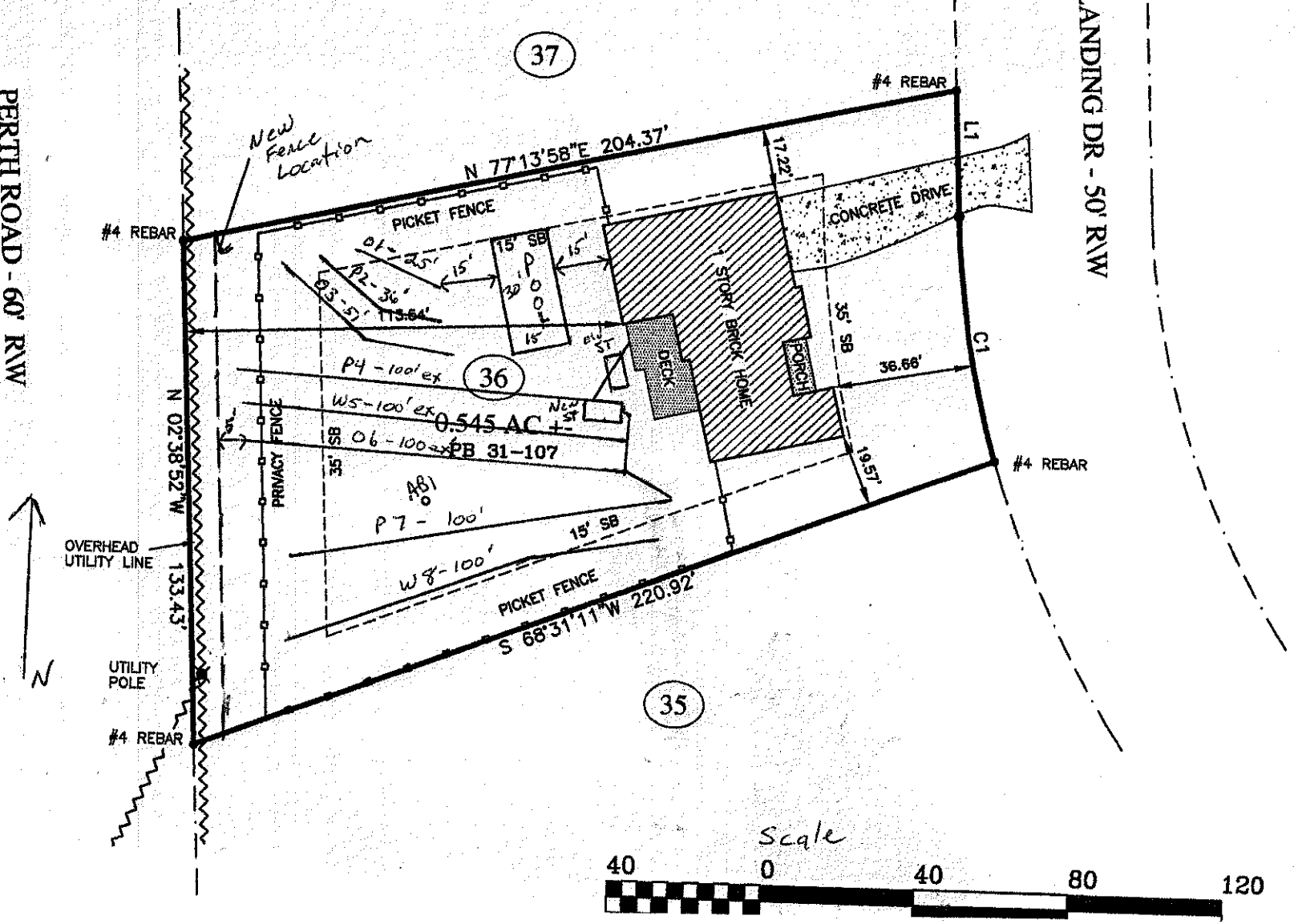
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	900 FT2	424 FT2
System Type(s)	25% Red.	PP BPS
Site LTAR	0.3 ICHD	0.3 ICHD

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA+A
OTHER(S) PRESENT:

COMMENTS:

Curve	Radius	Length	Chord	Chord Bear.
C1	275.20'	65.72'	65.56'	S 09°35'57" E

Course	Bearing	Distance
L1	S 02°35'55" E	32.95'



Approved 6-8-15 RP

SUS

BEING LOT

DAVIDSO

DED

CH
ROI
370
P.O. E

I, ROBERT J.
DRAWN FROM
SUPERVISION
THAT THE
EXCEEDS 1:1
IN ACCORDA
WITNESS MY

Robert

PROFESSIONA

SURV. BY: WT

VICINITY

