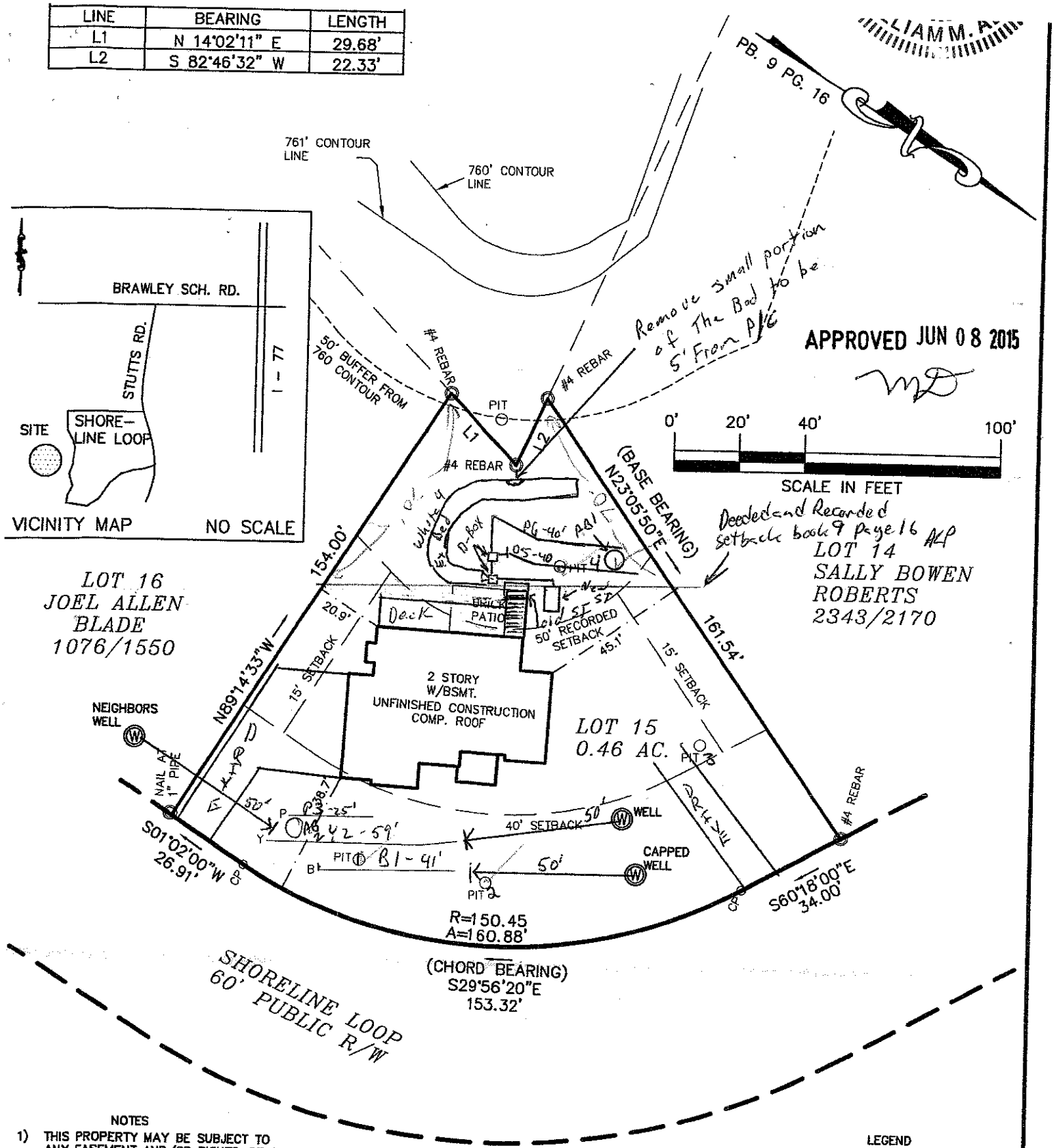
LINE	BEARING	LENGTH
L1	N 14°02'11" E	29.68'
L2	S 82°46'32" W	22.33'



NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 4/2/15) ELEVATION: 757.5'
4) OVERHEAD POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

LEGEND

P.P. = POWER POLE
□ = POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
(W) = WELL
CP = COMPUTED POINT

SEPTIC LAYOUT SURVEY

OF

180 SHORELINE LOOP

LOT 15 BAY VIEW ESTATES

SCALE 1" = 40'

DAVIDSON TWSP., IREDELL CO., N.C.

ACQUIRED BY: STEPHEN VOSE

FIELD BOOK:
FILE: BAY VIEW ESTATES 15
DC FILE:
TAX MAP NO: 4635580212



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

Reference: Data Sheet for 180 Shoreline Lp., Bay View Estates Lot 15
House Footprint: See attached
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Existing well
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: Ex. Bed + PPBPS
Proposed Repair System Type: Limited PPBPS
Distribution: Gravity-Distribution box
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 38"
Proposed Trench Width: 24"

APPROVED JUN 0 8 2015

Line	Design Length	Actual Length
Blue 1		41'
Yellow 2		59'
Pink 3		25'
White 4	**Existing Bed**	
Orange 5	**40'**	**55'**
Pink 6	**40'**	**40'**

Initial System: Bed + 80' **Repair System:** 125'

Comments:
This property has an existing system. No record of the system could be found by ICHD. ICHD is giving 2 bedroom credit to the bed and we are proposing one bedroom of PPBS. The bed is only 4' from the rear corner. We are proposing to remove a small portion of the bed that is inside the 5' setback from the property corner. The square footage lost will be added to the PPBPS lines. The brick patio will be removed. The existing tank will be abandoned and a new septic tank installed.

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

PROPERTY ID #: 46352580212
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Stephen Vose
ADDRESS: 180 Shoreline Lp., Mooresville, NC 28117
PROPOSED FACILITY: 3 bdrm PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 180 Shoreline Lp., Bay View Esates Lot 15
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.46 AC
PROPERTY RECORDED: 9/14/1965
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPROVED JUN 0 8 2015

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
AB 1	LS 5%	0-14	FILL		N/A	48"	N/A	N/A	PS 0.3
		14-23	Br SCL WSBK	FR SS SP					
		23-42	R C SBK	FR SS SP					
		42-48	R CL WSBK	FR SS SP					
AB 2	LS 5%	0-9	FILL		N/A	48"	N/A	N/A	PS 0.3
		9-14	Br SCL WSBK	FR SS SP					
		14-40	R C SBK	FR SS SP					
		40-48	R CL WSBK	FR SS SP					
PIT 1	LS 5%	0-7	FILL		N/A	60"	N/A	N/A	PS 0.3
		7-22	Br SCL WSBK	FR SS SP					
		22-60	R C WSBK	FR SS SP					
PIT 2	LS 5% Debris in pit had to move	0-15	FILL		N/A	52"	N/A	N/A	PS 0.3
		15-25	Br SCL WSBK	FR SS SP					
		25-52	R C SBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	BED + 160FT2	250 FT2
System Type(s)	BED + PPBPS	PPBPS
Site LTAR	0.3	0.3

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 2 *of* 2

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

APPROVED JUN 08 2015

PROPERTY ID #: 4635580212
DATE OF EVALUATION:
COUNTY: IREDELL

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
P 3	LS 5%	0-13	Br SCL WSBK	FR SS SP	N/A	36”	N/A	N/A	PS 0.3 NOT IN SYSTEM AREA
		13-36	R C SBK	FR SS SP					
P 4	LS 5% Debris in Pit had to move	0-15	FILL		N/A	54”	N/A	N/A	PS 0.3
		15-24	Br SCL WSBK	FR SS SP					
		24-41	R C SBK	FR SS SP					
		41-54	R CL WSBK	FR SS SP					

COMMENTS: