APPROVED JUN 05 2014



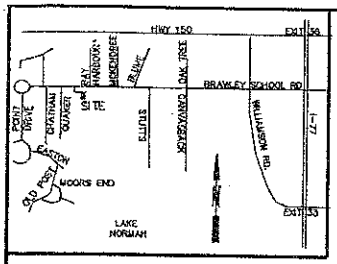
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 1769 Brawley School Rd., The Point Sec. 1-C, Lot 37
House Footprint: See attached plan
Building Setbacks: 50' front/rear, 20' side
Water Source: Community Well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.25 GPD/FT2 (ICHD)
Existing System Type: LPPPBPS
Proposed Repair System Type: LPPPBPS
Distribution: Low pressure-CVB (existing)
Existing Septic/Pump Tank Size: 1500/1000
Proposed Trench Bottom: existing (48" repair)

Line	Design Length	Actual Length
White 1		50'
Yellow 2		95'
Blue 3		101'
Red 4 (ex)		
Orange 5 (ex)		
Pink 6 (ex)		
Orange 7		86'

Initial System: 320' **Repair System:** 332'

Comments:
The purpose of this evaluation was to determine an area for a pool. Michael Athanas & Associates found the existing PPBPS system and laid out lines for a proposed repair area. We also performed four soil observations to verify the soil. Please note, we are proposing a 48" trench bottom depth for the repair if in the event of its use.



VICINITY MAP
NO SCALE

I, RUFUS JACKSON LOVE CERTIFY THAT THIS MAP WAS DRAWN FROM AN ACTUAL SURVEY UNDER MY DIRECT SUPERVISION, THAT THE RATIO OF PRECISION IS 1:10,000+ BEFORE ADJUSTMENTS; AND THAT THE ANGULAR ERROR WAS < 7.5 SECONDS PER TURN.

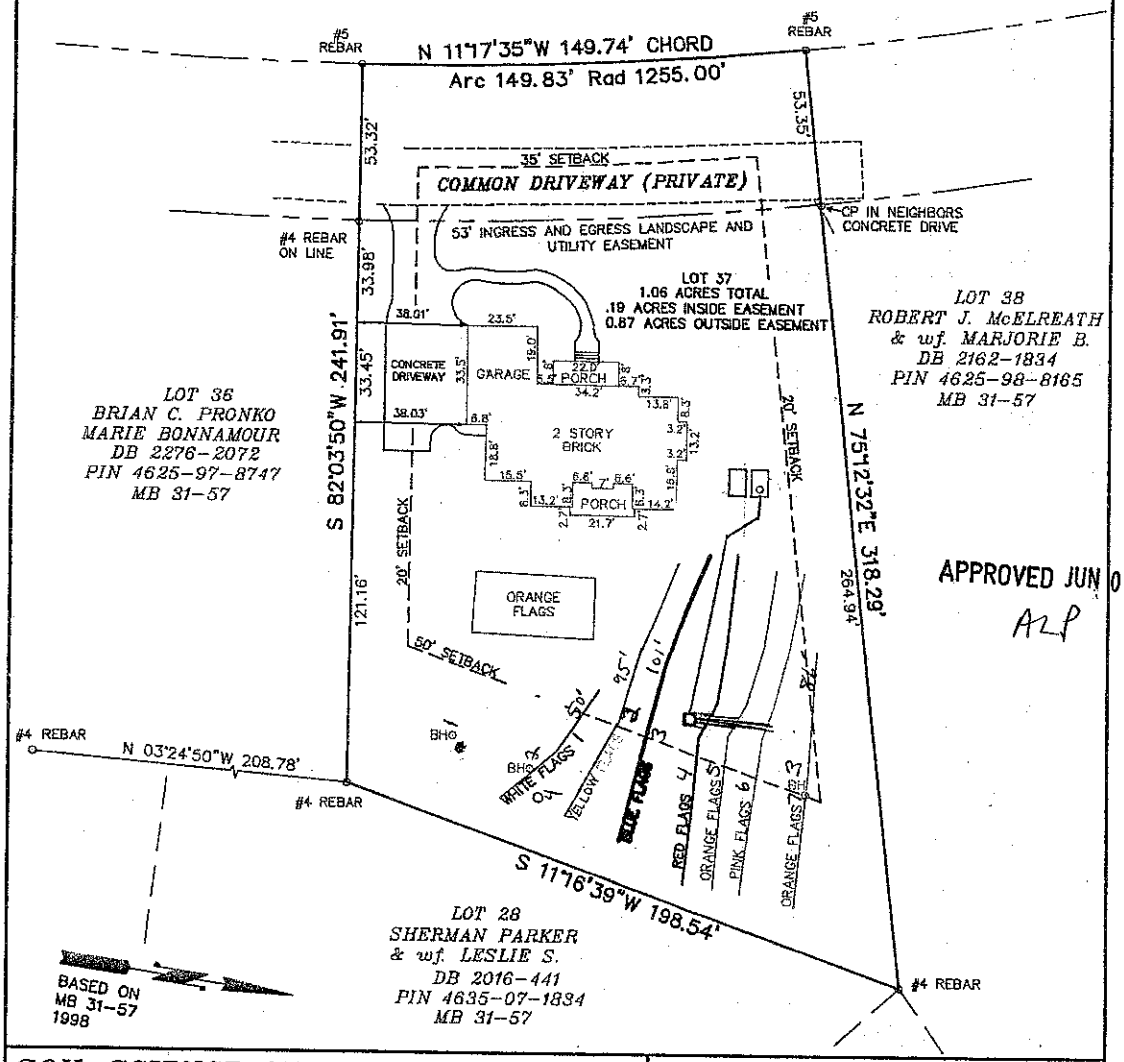
WITNESS MY HAND AND OFFICIAL SEAL THIS____ DAY OF _____

N.C.P.L.S. L-2844
LICENSE NO.

PROFESSIONAL LAND SURVEYOR

90' R/W

BRAWLEY SCHOOL ROAD



APPROVED JUN 05 2014
ALP

SOIL SCIENCE SURVEY

PROPERTY OF RENNIE CRABTREE & wf. SANDY CRABTREE

1769 BRAWLEY SCHOOL ROAD
LOT 37 OF THE POINT ON NORMAN, PHASE 1C,
MAP 1, PLAT BOOK 31-57
DEED BOOK 1345-1459, PIN 4625-97-8925
DAVIDSON TOWNSHIP, IREDELL COUNTY
NORTH CAROLINA
MAY 27, 2014

FILE NAME: CRABTREE-5-19-14

50 0 50 100 150

Scale 1" = 50'

NOTES:

1. THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD ZONE.
2. AREA DETERMINED BY COORDINATE COMPUTATION.
3. CP DENOTES COMPUTED POINT, NO MONUMENT FOUND OR SET.
4. UNDERGROUND UTILITIES NOT LOCATED AS OF THIS DATE.
5. DISTANCES TO HOUSE ARE PERPINDICULAR TO PROPERTY LINE.
6. NO GRID MONUMENTS WITHIN 2000' OF SUBJECT PROPERTY.
7. ALL MONUMENTS ARE EXISTING UNLESS OTHERWISE NOTED.

LEGEND:

- PROPERTY LINE
- TIE LINE
- UNSURVEYED LINE
- BACK OF CURB
- SETBACK LINE
- *CP* COMPUTED POINT
- *PP* POWER POLE
- *BH* BORE HOLE

PYRAMID LAND SURVEYING PA
P.O. BOX 11 DAVIDSON, NORTH CAROLINA
(704)892-4249 RUFUS JACKSON LOVE L-2844

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet __1__ *of* __1__
PROPERTY ID #: 4625978925
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Rennie Crabtree
ADDRESS: 1769 Brawley School Rd., Mooresville, NC 28117
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Point 1-C Lot 37
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.87 AC
PROPERTY RECORDED: 9/18/1998
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 5%	0-18	FILL		N/A	18"	PS	N/A	PS 0.3+ NOT IN SYSTEM AREA
		18-48	VER L SAP M	VFR SS SP					
2	LS 5%	0-18	R C Compacted	FI SS SP	N/A	48"	Few SAP INCL	N/A	PS 0.3
		18-42	R C SBK	FR SS SP					
		42-60	R CL WSBK	FR SS SP					
3	LS 5%	0-8	Br SCL WSBK	FR SS SP	N/A	60"	Few SAP INCL	N/A	PS 0.3
		8-42	RC SBK	FR SS SP					
		42-60	R CL WSBK	FR SS SP					
4	LS 5%	0-20	R C COMP		N/A	60"	F-C Inc SAP	N/A	PS 0.3
		20-40	R C SBK	FR SS SP					
		40-60	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	EXISTNG	1239 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.25 (ICHD)	0.25 (ICHD)

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

APPROVED JUN 06 2014
ALP

COMMENTS: