

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

Reference: Data Sheet for 123 Yellow Jacket Cir., Craftsman Pt. Lot 3
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15'side
Water Source: Existing well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Drop boxes/End cap
Septic Tank Size: 1000 gallon
Proposed Trench Bottom: 36"

APPROVED JAN 11 2016

Line	Design Length	Actual Length	
White 1		36'	30
Orange 2		48'	51
Yellow 3		60'	60
Pink 4		58'	✓
White 5		47'	✓
Yellow 6		43'	✓
Yellow 7 (ex)	**75'**	**75'**	
White 8 (ex)	**75'**	**75'**	
Orange 9 (ex)	**75'**	**75'**	
Pink 10 (ex)	**75'**	**75'**	
White 11	**50'**	**65'**	65 ✓
Yellow 12	**50'**	**50'**	50 ✓

Initial System: 400' **Repair System:** 292'

Comments:
This property currently has a three bedroom system installed. MA&A are expanding the system to accommodate a four bedroom residence. The expansion of the initial system is the previously approved soil area. We performed a soil boring in this area for confirmation. The repair is in a new soil area. The existing septic tank does not comply with the required setbacks. A new septic tank must be installed to bring the system into compliance.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 65°37'00" E	22.92'

L3499
LAND SURVEYOR
WILLIAM M. ALLEN

BRAWLEY SCHOOL RD.
R\W
EIP

LOT 8
JEFFREY GLEASON
1947\2353

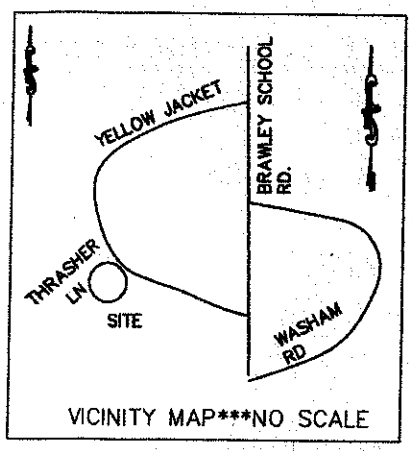
S85°49'00"W
165.19
ALUMINUM FENCE
CONC. MON.
PK/PIPE

W1-36'
A=037°-48'
1 Y3-60'
35' REAR SETBACK
54'
47'
P4
W5
Y6-48'
2
54.4
15'
15' SIDE SETBACK
ALUMINUM FENCE
319.50
S40°16'10"E
(BASE BEARING)
P10
30'
15'
CONC. DR.
PORCH
Ex ST
46.9
WELL
2 STORY
FRAME
COMP. RF.
PORCH
17.8
PLANTER
ENCROACHES
ST
Ex
47-75'
W8-75'
LOT 3
0.76 AC.
09-75'
75'
Ex
P10
101.0
W11-50'
35' FRONT SETBACK
3 Y12-50'
15' SIDE SETBACK
N32°47'19"W
238.64
EIP
C1
CP
L1
EIP@2.00'
R\W
(TIE ONLY)
S77°41'36"W
118.47
PK NAIL
YELLOW JACKET CIR.
(60' R\W)
R\W

LOT 2
CHRISTOPHER SAWICKI
2369\390

LOT 4
JOHN MIKESH
2149\911

APPROVED JAN 11 2016



VICINITY MAP***NO SCALE

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

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) UNDERGROUND POWER
4) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

0' 25' 50' 100'
SCALE IN FEET

PHYSICAL SURVEY

OF

123 YELLOW JACKET CIR.

LOT 3 CRAFTSMAN POINT

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

SCALE 1" = 50'

ACQUIRED BY: RANDALL L. MARION II & MELANIE J. MARION

FIELD BOOK: 500-I
FILE: CRAFTMAN 3
DC FILE:
TAX MAP NO: 4624257114

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

Sheet _1_ *of* _1_
PROPERTY ID #: _4624257114_
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED JAN 11 2016

OWNER: _Randall Marion_ APPLICATION DATE_____
ADDRESS: 409 Faith Rd, Mooresville, NC DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_ PROPOSED DESIGN FLOW (.1949): _480 GPD_ PROPERTY SIZE: _0.76 AC_
LOCATION OF SITE: _123 Yellow Jacket Cir, Craftsman Pt Lot 3_ PROPERTY RECORDED: _11/15/2002_
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 3%	0-25	R C SBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3-0.35
		25-48	R CL WSBK	FR SS SP					
2	LS 3%	0-36	R C SBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3-0.35
		36-48	R CL WSBK	FR SS SP					
3	LS 5%	0-4	Br CL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		4-34	R C SBK	FR SS SP					
		34-48	R CL WSBK	FR SS SP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300 FT2 EXP	584 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3 (ICHD)	0.3

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

EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS: _____

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Randall Marion
ADDRESS: ~~123~~ 409 Faith Rd. Mooresville
PROPOSED FACILITY: 4 Bedrooms
PROPOSED DESIGN FLOW (.1949): 480 gal/day
LOCATION OF SITE: 123 Yellow Jacket Circle Mooresville
APPLICATION DATE 12-21-15
DATE EVALUATED: 12-31-15
PROPERTY SIZE: 0.765 acres
PROPERTY RECORDED: Yes

WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

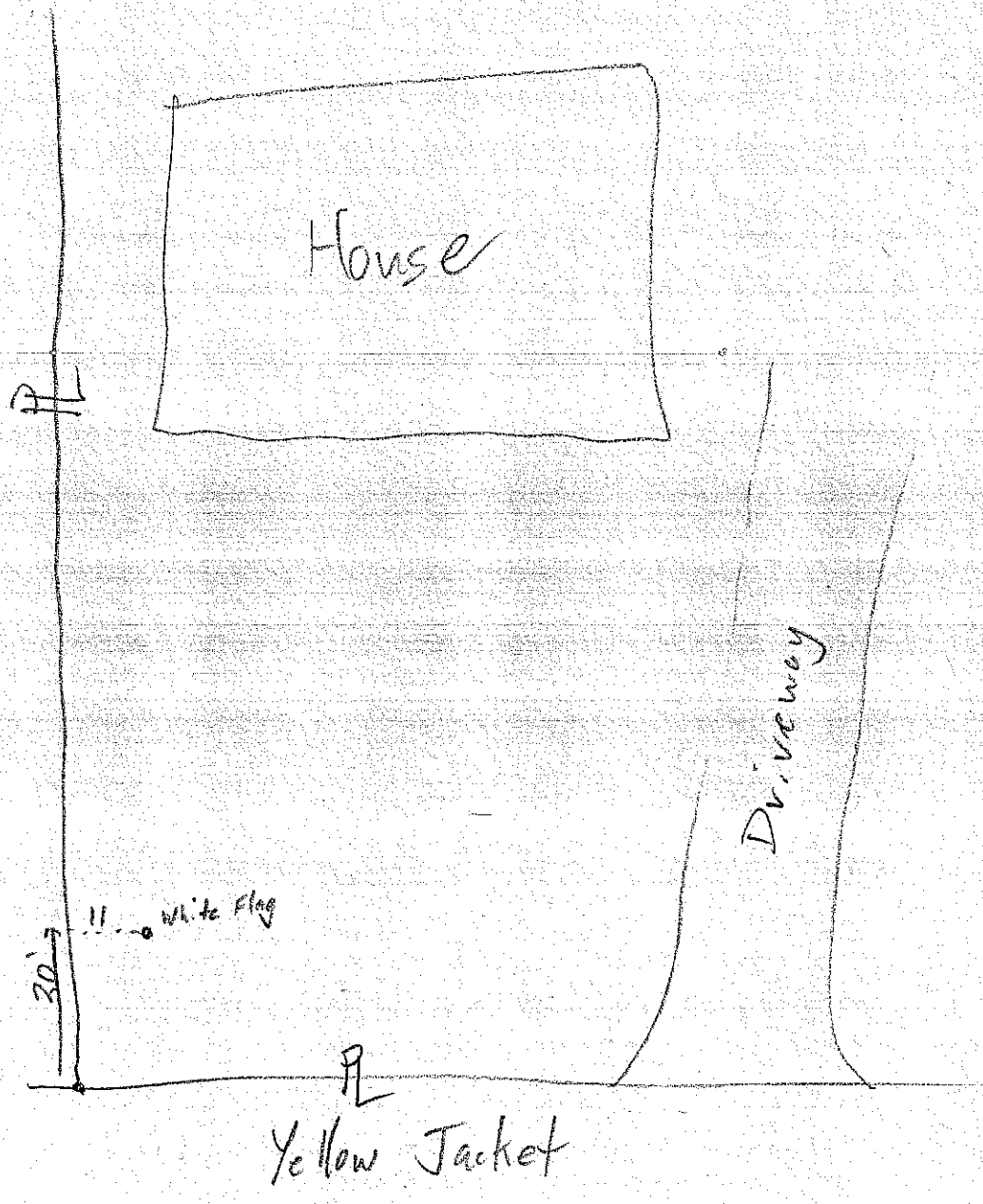
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Repair Area < 5%	0-30	Clay weak ABK	Firm, SS, Sp, Sap	—	48"	—	—	0.3 PS
		30-48	Clay Loam weak SBK	Slightly Friable, SS, Sp, Sap	some mica flakes @ 40"				
2	Primary Area < 7%	0-6	Clay Loam weak SBK	Slightly Firm, SS, Sp, Sap	—	48	—	—	0.3 PS
		6-24	Clay weak ABK	Slightly Firm, SS, Sp, Sap					
		24-48	Clay Loam moderate ABK	Slightly Friable SS Sp, Sap					
			* common SAPROLITE inclusions @ 40+ inches						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	25% Reduction	50% Reduction
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): P.S.
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: —

COMMENTS:

12-31-15



Measured locations staked @ site match proposal for front + Back yard.