DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #:
COUNTY: Iredell

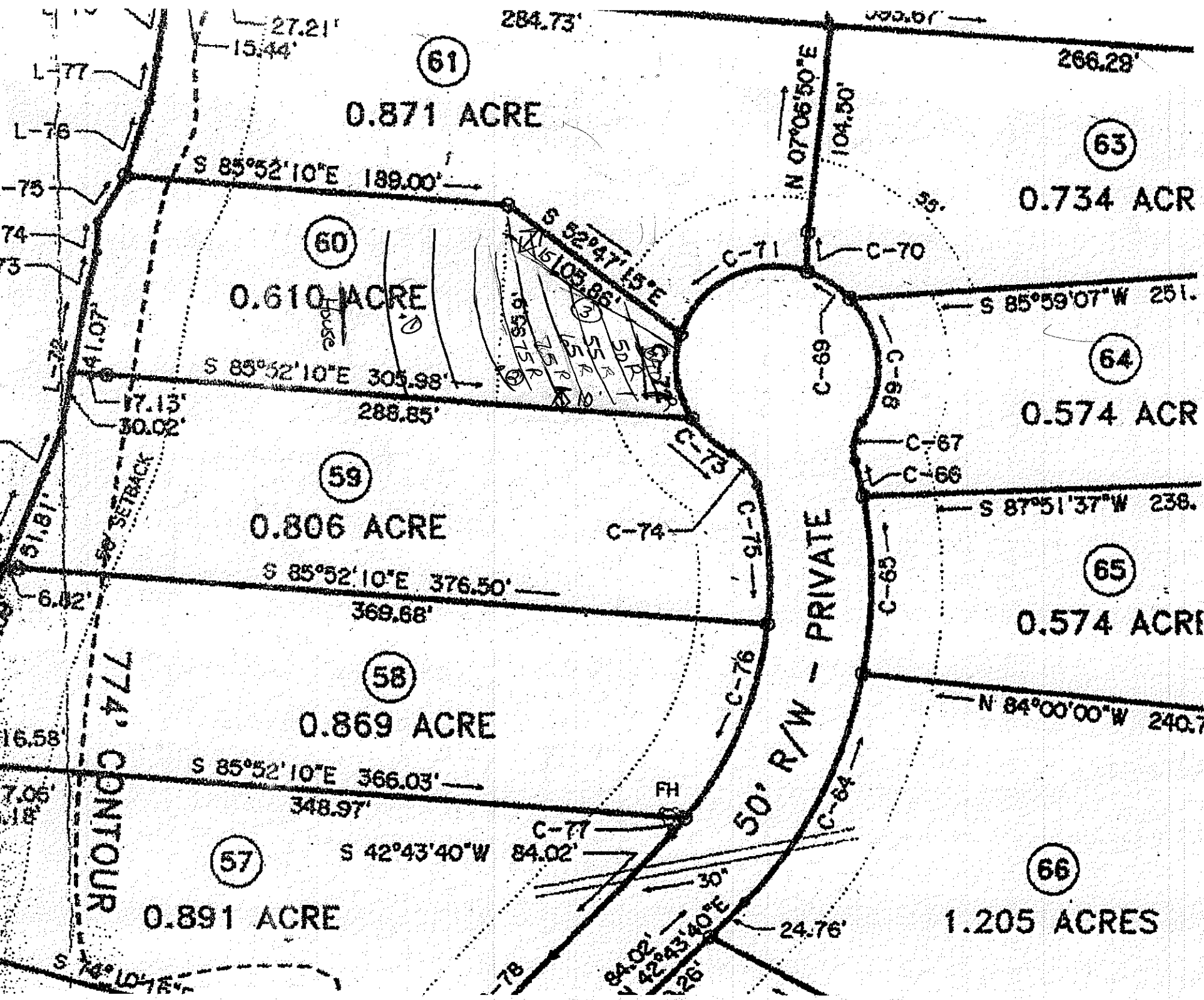
SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Ken Crump APPLICANT: Ernst Koehler
ADDRESS: 143 Dockside Ln APPLICATION DATE: DATE EVALUATED: 7/16/15
PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): 360 gpn PROPERTY SIZE:
LOCATION OF SITE: River Oaks Landing #601 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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 6%	0-4"	Brw SCL	GR SS, SP, FR					PS
		4-36"	Rd/Brw C/CL m-wSBK	SS, SP, SExp, FR		48"			
		36-48"	Rd/Brw C/CL wSBK w/few-to many Yellow/Brw Mottles	SS, SP, SExp, FR					.25
2	L 8%	0-5"	Brw SCL	GR SS, SP, FR					PS
		5-35"	Rd/Brw C/CL wSBK	SS, SP, SExp, FR					
		35-48	Rd/Brw C/CL wSBK w/few-to many Yel/Brw Mottles	SS, SP, SExp		48"			.25
3	L 12%	0-5"	Brw SCL	GR SS, SP, SExp					PS
		5-32"	Rd/Brw C/CL	SS, SP, SExp, FR wSBK					.25 to .3
		32-48	Rd/Brw C/CL w/few-to many	SS, SP, SExp	SAP	FR 48" Inclus			
4	L 14%	0-5"	Brw SCL	GR, SS, SP, SExp					PS
		5-32"	Rd/Brw C/CL wSBK	SS, SP, SExp, FR		48"			.25 to .3
		32-48"	Rd/Brw C/CL w/few-to many	SS, SP, SExp	FR wSBK SAP	Inclus			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	25-50% Red
Site LTAR	.25	.25-.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Mara Dotson
OTHER(S) PRESENT: Ernst Koehler


61
0.871 ACRE
60
0.610 ACRE
59
0.806 ACRE
58
0.869 ACRE
57
0.891 ACRE
63
0.734 ACR
64
0.574 ACR
65
0.574 ACRI
66
1.205 ACRES
S 85°52'10"E 189.00'
S 85°52'10"E 305.98'
288.85'
S 85°52'10"E 376.50'
369.68'
S 85°52'10"E 366.03'
348.97'
S 42°43'40"W 84.02'
N 07°06'50"E 104.50'
S 85°59'07"W 251.
S 87°51'37"W 238.
N 84°00'00"W 240.7
266.29'
284.73'
S 62°47'15"E 103.86'
50' R/W - PRIVATE
77A, CONTOUR
50' SETBACK
House
FH
24.76'
30"
L-77
L-76
L-75
L-74
L-73
L-72
C-70
C-71
C-73
C-74
C-75
C-76
C-77
C-78
C-64
C-65
C-66
C-67
C-69
41.07'
51.81'
16.58'
15.44'
27.21'
17.13'
30.02'
6.02'