Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1/2
PIN #:
Lot #: CL&T 6/173
Permit #: 20408b
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: JUDY N. MURPHY
Address: 8471 HIGHLAND GLEN DR.
Proposed Facility: SFR Design Flow (.1949) ~~360~~ 480 GPD
Location of Site: 676 STONEMARKET DR. MOCKSVILLE NC

Applicant: SAME
Date Evaluated: 8/27/14
Property Size: .80 ACRE
Property Recorded: 1976

Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
A1 AUGER	LL 8%	0-6	SL, 3 GR	VFR, SS, SP, SEXP	SAP INCL. AT 24"-36"	~~36"~~		~~36"~~	.275 PS
		6-30	RC, SBK/ABK	FR, SS, SP, SEXP					
		30-36	RCL, SBK	FR, SS, SP, SEXP					
P1 PIT	LCV 8%	0-4	GRAVEL		SOME COMPACTION SOME MEL. MOTTLES 12-22	60"			PS .375 12-22 .325 BELOW 22"
		4-12	C, ABK	FI, SS, SP, SEXP					
		12-22	C/CL, ABK/SBK	FR, SS, SP, SEXP					
		22-60	CL, SBK	FR, SS, SP, SEXP					
~~P2~~ P2 PIT	LL 9%	0-12	RC, SBK/ABK	FR, SS, SP, SEXP	SAP INCL. AT 40"	~~58"~~ 56"	PS		PS .325 12"-60"
		12-56	RCL, SBK	FR, SS, SP, SEXP					
		56-60	SL MASS SAP	VFR, SS, SP, SEXP					
P3 PIT	LL 15%	0-50	RC/CL SBK	FR, SS, SP, SEXP	MANY SAP INCL 38"-50"	50"			PS .3

Description	Initial System	Repair System
Available Space (.1945)	PS PPPSPS(LP)	PS PPPPSPS
System Type(s)	APPROVED	APPROVED
Site LTAR	.3 BELOW 22"	.3

Other Factors (.1946):
Soil Evaluation By: SHANE CASHION
Others Present: RICK HOWELL
Site Classification (.1948):
Site Evaluation By: SC
Others Present:

Sheet:

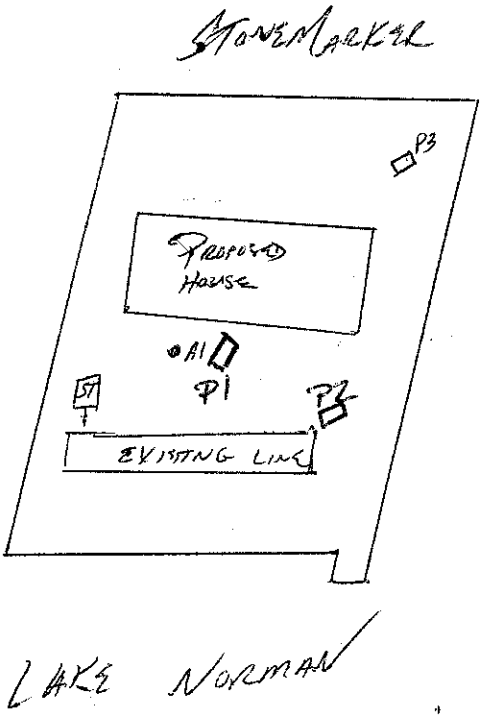
COMMENTS:

FILE #:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



	LENGTH	BEARING	CHORD
	32.22'	S 86°30'56" E	32.21'
	15.77'	N 87°51'24" W	15.77'

WILLIAM M. ALLEN PLS SEAL L3499 LAND SURVEYOR WILLIAM M. ALLEN

BRAMLEY SCHOOL ROAD

SCALE

LAKE NORMAN

760 CONTOUR PER ACTUAL FIELD SURVEY

751 CONTOUR (FLOOD LINE)

N63°44'18"W

45.01

S83°43'00"W

112.78

N49°04'00"W

24.00

EIP

50' BUFFER FROM THE 760 CONTOUR

50' SETBACK

68.7'

227.42'

LOT 173

0.85 AC.

LOT 172

PRICE FAMILY TRUST

884\435

N28°31'27"E

105'

15' SETBACK

73.9'

73'-11" X 69'-9" HOUSE BOX

8'69

243.42

(BASE BEARING)

S25°43'00"W

15' SETBACK

33.8'

46.4'

(TIE ONLY)

N71°38'05"W

155.78

EIP

C1

55' SETBACK

S85°24'00"E

119.72

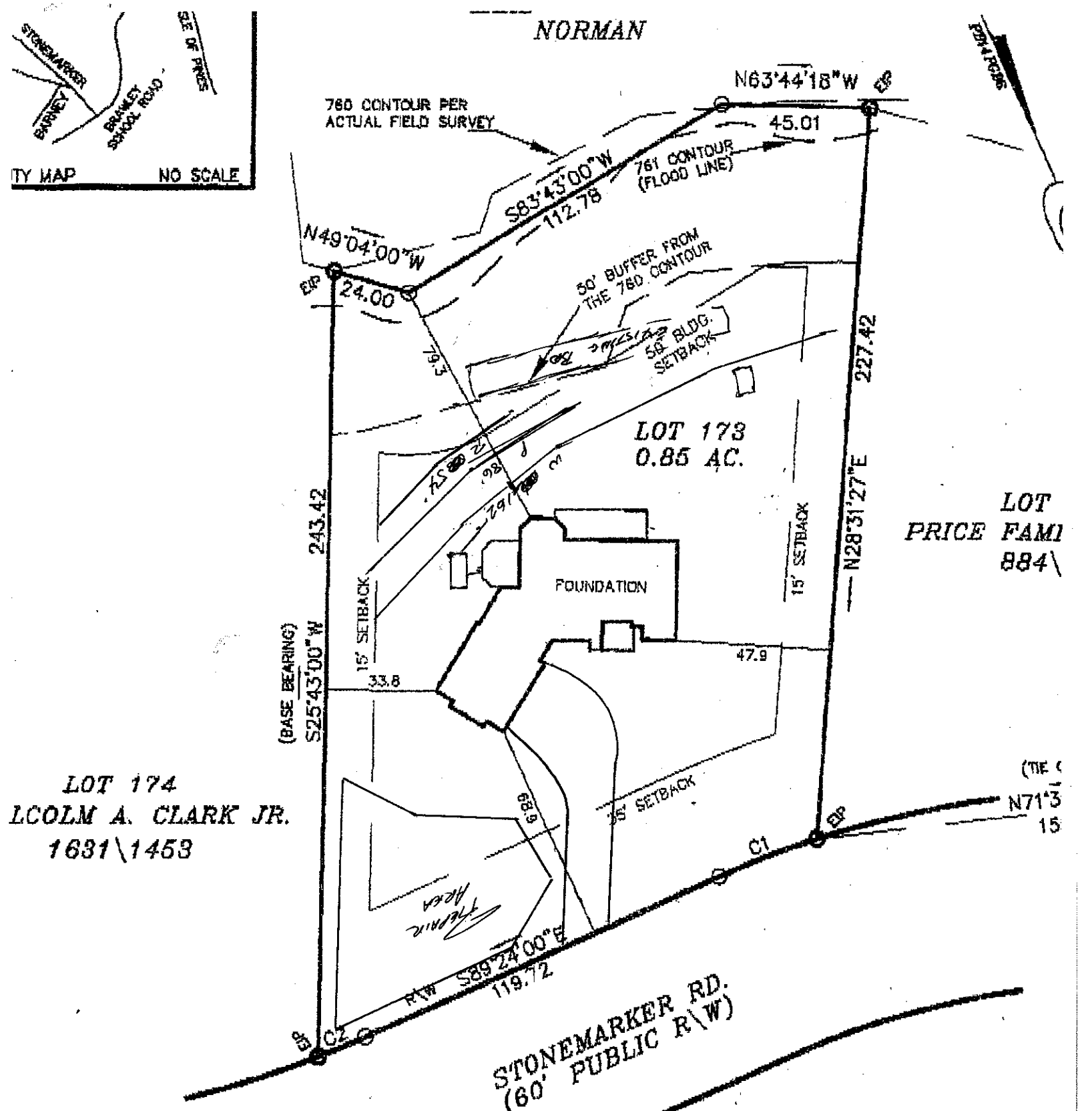
R/W

C2

EIP

STONEMARKER RD.

60' PUBLIC R\W



NOTES

THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.

AREA COMPUTED BY THE COORDINATE METHOD.

EXISTING 760' & 761' CONTOUR ELEV-ATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING

LE
= P.P. =
= DUKE P
E.I.P. = EXISTIN
I.P.S. = #4 REB
R/W = RIGHT-C