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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jim Ealahan Eagle Custom Homes
ADDRESS: _____
APPLICATION DATE _____
DATE EVALUATED: 10-2-07
PROPOSED FACILITY: Residential PROPOSED DESIGN FLOW (.1949): 480gpd
PROPERTY SIZE: _____
LOCATION OF SITE: _____
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	pit to 44" auger 50"	0-6	wksbkscl				f-sap		.3
		6-40	mosbkc	fr sssp					
		40-50	wksbkcl						
2	Pit to 46" auger to 50"	0-4	wksbkscl						.3
		4-24	mosbkc	fr sssp	Red		f-sap		
		24-50	wksbkcl						
3	auger	0-6	wksbkcl						.3
		6-26	mosbkc	fr sssp	Red		f-sap		
		26-48	wksbkcl/c						
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	LP panel	LP panel
Site LTAR	.3	.3

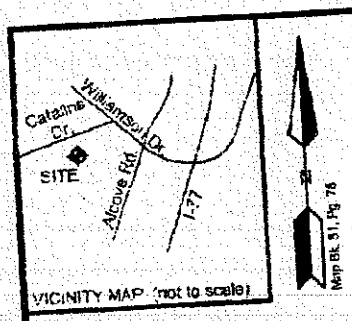
COMMENTS: _____

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: J Melville
OTHER(S) PRESENT: _____

w 1"=50'

PLOT PLAN

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	50.00'	40.24'	39.18'	S 81°47'54" E



LEGEND
R/W - RIGHT OF WAY
SB - SETBACK

NORTH CAROLINA PROFESSIONAL SEAL L-3668 LAND SURVEYOR DAVID R. GARROTT

KNOX HAVEN LANE
45' PUBLIC R/W

1/2" REBAR
C1
1/2" REBAR

6
Knox Haven Sub.
Map Bk. 51, Pg. 78

76.0ft

15' SB

24.9ft

N 40°45'07" E 248.80'

10' Drainage & Utility Easement

15' Side Yard

PROPOSED HOUSE

PROPOSED HOUSE

S 09°24'47" E 199.97'

10' Drainage & Utility Easement

15' Side Yard

4
Knox Haven
Map Bk. 51, P

35' Rear Yard

5
26835.38 sf
0.616 AC

10' Drainage & Utility Easement

1/2" REBAR
N 86°28'46" W 234.32'
1/2" REBAR

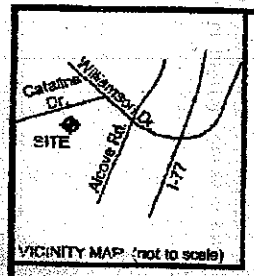
20
Monterey Landing Ph. 3
Map Bk. 23, Pg. 177

21
Monterey Landing Ph. 3
Map Bk. 23, Pg. 177

22
Monterey La
Map Bk. 2

PLOT PLAN

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	50.00'	40.24'	39.15'	S 81°47'54" E



VICINITY MAP (not to scale)



LEGEND
R/W - RIGHT OF WAY
SB - SETBACK

NORTH CAROLINA PROFESSIONAL SEAL L-3668 LAND SURVEYOR DAVID R. GARROTT

KNOX HAVEN LANE
45' PUBLIC R/W

1/2" REBAR

C1

1/2" REBAR

76.08ft

6
Knox Haven Sub.
Map Bk. 51, Pg. 78

PROPOSED HOUSE

N 40°45'07" E 248.80'

24.9ft

10' Drainage & Utility Easement

15' Side Yard

78'SE

43.5

10' Drainage & Utility Easement

S 09°24'47" E 198.97'

15' Side Yard

4
Knox Haven Sub.
Map Bk. 51, Pg. 78

PROPOSED HOUSE

1

2

3

35' Rear Yard

5
26835.38 sf
0.616 AC

10' Drainage & Utility Easement

N 86°28'46" W 234.32'

1/2" REBAR

1/2" REBAR

20
Monterey Landing Ph. 3
Map Bk. 23, Pg. 177

21
Monterey Landing Ph. 3
Map Bk. 23, Pg. 177

22
Monterey Landing Ph. 3
Map Bk. 23, Pg. 177

40 20 0 40
BAR GRAPH

NOTES:
* Deed Reference - Deed Bk. 1838, Pg. 1023 Owner: Eagle I Enterprises LLC
Dated: April 3, 2007 Recorded in Iredell Co. Registry
* Map Reference - Knox Haven Sub. Dated: Jan. 19, 2007
Performed by: William M. Allen, PLS

I, David R. Garrott, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 1838 page 1023, etc.); that the boundaries not surveyed are clearly indicated as drawn from information found in Book n/a, page n/a; that the ratio of precision as calculated exceeds 1:10,000; that this plat was not prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 13th day of Sept., A.D., 2007.

David R. Garrott, PLS #3668

DRAWN BY: S. Kimrey | NLS NO.: 07122

NORSTAR LAND SURVEYING N W E S 2002

NORSTAR LAND SURVEYING, INC
192-A N. CHURCH STREET
CONCORD, NC 28025
PH 704 721 6851
FAX 704 721 6853

PREPARED FOR:
Eagle I Enterprises LLC
Lot 5 Knox Haven