BM 6.3
126.05
N33°30'04"E
W1
02 - 90'
B3 - 90'
W4 - 124'
90'-0.8'
7.3'
7.91'
8.9'
05 - 50'
B6 - 50' - 10.8'
07 - 50' - 11.7'
Y8 - 50' - 12.3'
1
2
3
4
5
S87°37'17"E
200.42'
L19
L12
35' RS
N65°25'58"W
302.97'
S63°15'57"E
267.56'
APPROVED JAN 12 2015
Scale
1" = 40'
N
30'
15'
POE
25'
35'
90'
70'
245'
35' FS
35' RCP
18' RCP
20' PSDE
24' RCP
L17
L18
S35°59'49"W 109.50'
35' FS
Well
Lot #107
0.962 Acre
Lot #110
0.582 Acre



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Anniston SD, Lot 109, 186 Timberside Dr.
House Footprint: 70' x 90'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.25 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 25.8 GPM
Dosing Volume: 152 gallons
Pump Run Time: 5.9' minutes
Elevation Head: 23.2'
Friction Head: 2.6'
Pressure Head: 2'
Total Dynamic Head: 27.8'
Supply Line Length: 180'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

ICHD

APPROVED JAN 12 2015

Line	Design Length	Actual Length	Elevation
White 1	**90' (21 panels)**	**107'**	**6.8'**
Orange 2	**90' (21 panels)**	**114'**	**7.3'**
Blue 3	**90' (21 panels)**	**121'**	**7.9'**
White 4		124'	8.9'
Orange 5		50'	9.8'
Blue 6		50'	10.8'
Orange 7		50'	11.7'
Yellow 8		50'	12.3'

Initial System: 270'
Repair System: 324'
Pump Tank: 25.0'
House Corner: 24.5'
Benchmark: 6.3'

Comments:

Pits 4 & 5 are not in the system area. These pits were dug to confirm previous soil observations by Iredell County. The repair area will be placed in the previously approved soil area. The septic and pump tank location may be adjusted as needed.

ENVIRONMENT AND NATURAL RESOURCES
VIRONMENTAL HEALTH
EWATER SECTION

Sheet _1_ *of* _1_
PROPERTY ID #: 4664794557_
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

NER: _Shea Homes_ APPLICATION DATE_____
DDRESS: _Charlotte, NC_ DATE EVALUATED: _____
ROPOSED FACILITY: __4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: _0.954 AC_____
OCATION OF SITE: _Anniston Lot 109_____ PROPERTY RECORDED: _10/26/2007_____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

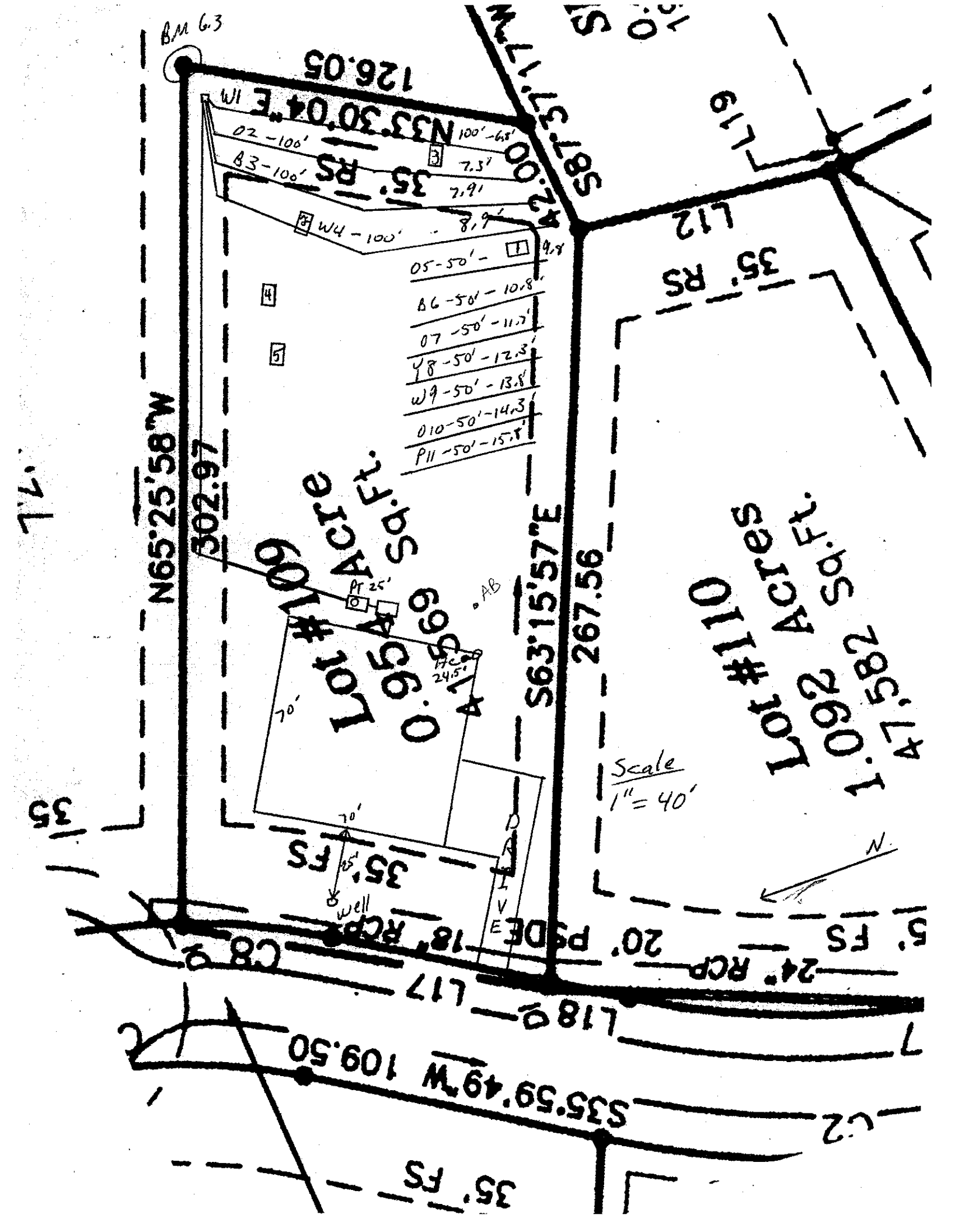
Approved MD 7/24/14

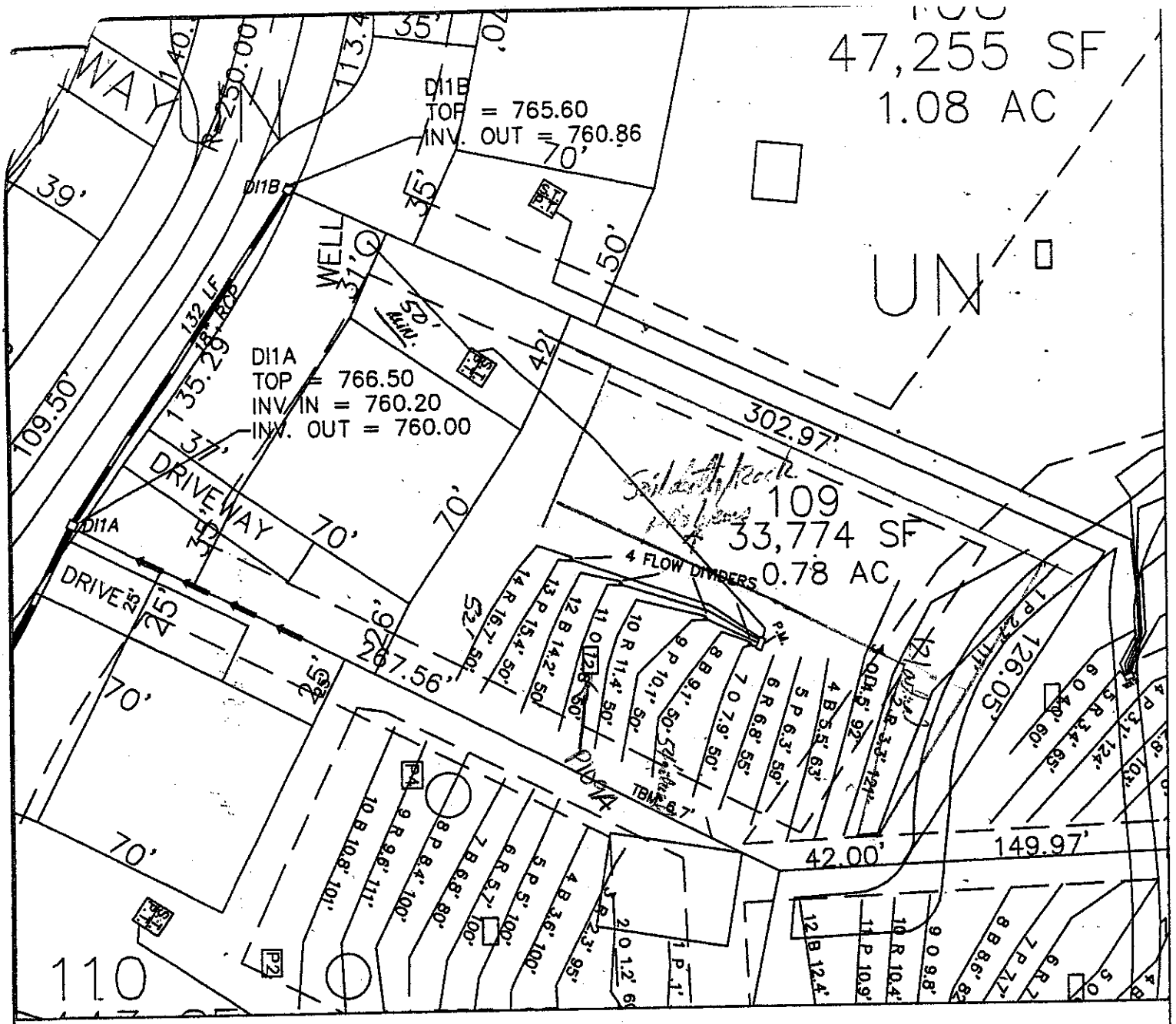
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 9%	0-25	R C SBK	FR SS SP	N/A	54"	F-C SAP @16"	N/A	PS 0.3
		25-54	R CL WSBK	FR SS SP					
2	LS 5% Pits were very dry after rain previous day	0-3	Br CL WSBK	FR SS SP	N/A	52"		N/A	PS 0.3
		3-35	R C SBK/ABK	FR SS SP					
		35-52	R CL WSBK	FR SS SP			F-C SAP		
			Some Weather rock on		one wall				
3	LS 5%	0-20	R C SBK	FR SS SP	N/A	60"	N/A	N/A	PS 0.3
		20-30	R C WSBK	FR SS SP					
		30-60	R CL WSBK	FR SS SP					
4 & 5	NOT IN SYSTEM AREA		CL/L SAP						US

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	1050 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): ____PS_____
EVALUATED BY: _M A & Associates_____
OTHER(S) PRESENT: _____

COMMENTS


BM 6.3
126.05
N33°30'04"E
W1
02 - 100'
B3 - 100'
W4 - 100'
100' - 6.8'
7.5'
7.9'
8.9'
9.8'
05 - 50' - 10.1'
B6 - 50' - 10.8'
07 - 50' - 11.7'
Y8 - 50' - 12.3'
W9 - 50' - 13.8'
010 - 50' - 14.3'
P11 - 50' - 15.8'
S87°37'17"W
S87°00'
42.00
L19
L12
35' RS
N65°25'58"W
302.97
Lot #107
0.956 Acre
41,656 Sq.Ft.
Pr 25'
AB
17C
24.5'
70'
S63°15'57"E
267.56
Lot #110
1.062 Acres
47,582 Sq.Ft.
Scale
1" = 40'
N.
35' FS
well
DRIVE
20' PSDE
18" RCP
24" RCP
C8
L17
L18
N35°59'49"W 109.50
35' FS



LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional, modified conventional and low-pressure pipe (lpp) septic systems.
- House Footprint (All 70' x 70')
- System lines.
- Repair lines.
- TBM.
- Well Location.
- Purposed Pit Location
- RS&ES Pit Location.
- Health Dept. Pit Location.

GRAPHIC SCALE
1" = 50'

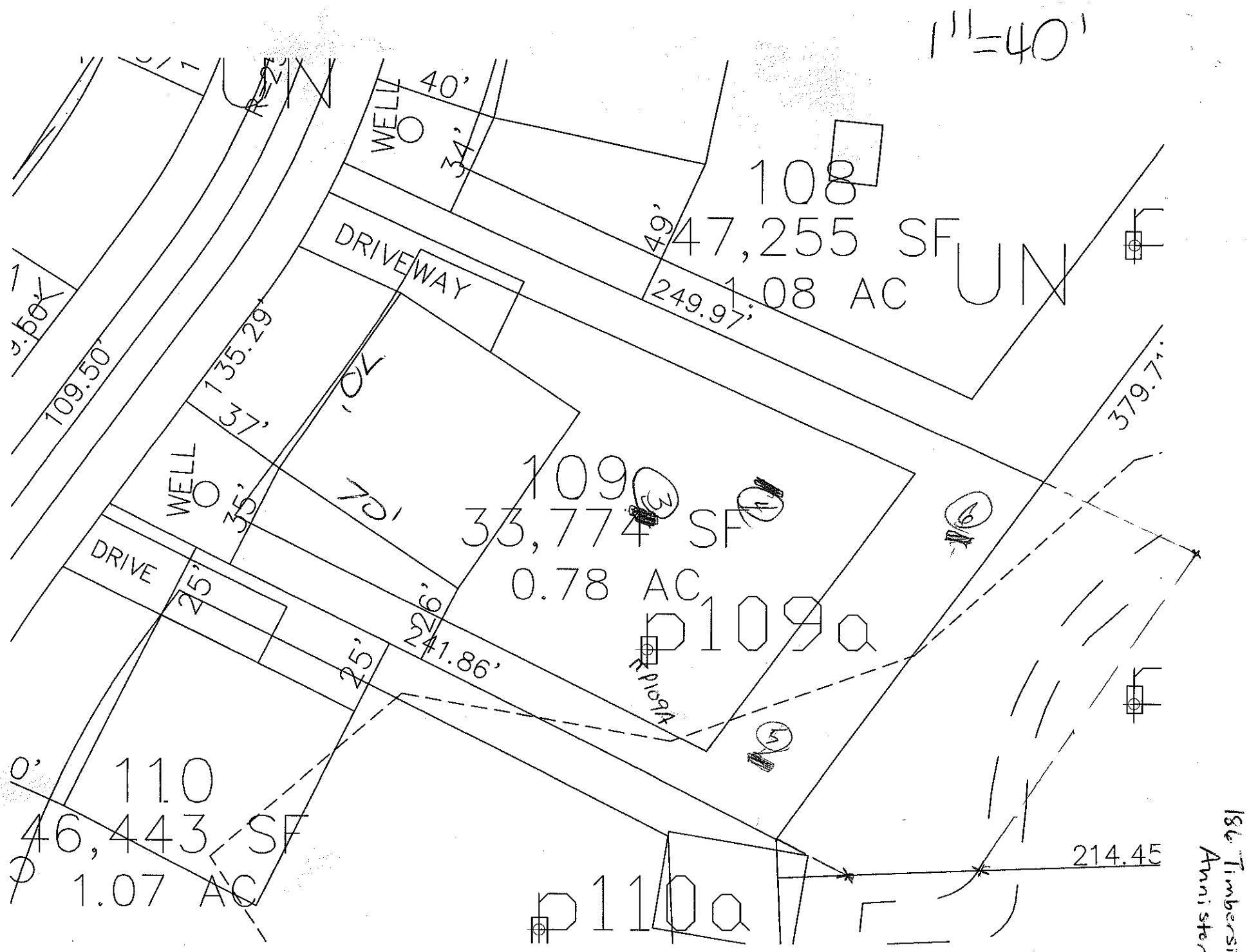
50 0 50 100

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

ROLLANS SOIL & ENVIRONMENTAL SERVICES
2120 GRAHAM ROAD
MOUNT ULLA, NC 28125
PHONE/FAX: (704) 278 - 0989
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746 - 5046
EMAIL: ROLLANSFORTC@AOL.COM

MAP TITLE:	SITE PLAN & DRAINFIELD AREAS
PROJECT NAME:	AMERON, LLC. / ANNISTON PHASE II
LOCATION/DATE:	SHERRER CHAPEL ROAD, IREDELL COUNTY, NORTH CAROLINA, JULY 2006
JOB # :	01-1005
FILE:	C:\JOBS\01-1005
PROJECT MGR.:	S.A.R.
FIELD WORK:	S.A.R.
DRAWN BY:	S.A.R.


1" = 40'
108
47,255 SF
1.08 AC
UN
109
33,774 SF
0.78 AC
P109a
110
46,443 SF
1.07 AC
P110a
DRIVEWAY
DRIVE
WELL
WELL
40'
34'
49'
249.97'
379.7'
135.29'
109.50'
37'
35'
72'
25'
25'
241.86'
214.45
N16
N16
184 Timbersida
Anniston #109

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

Sheet ___ of ___
PROPERTY ID #: 466479455
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

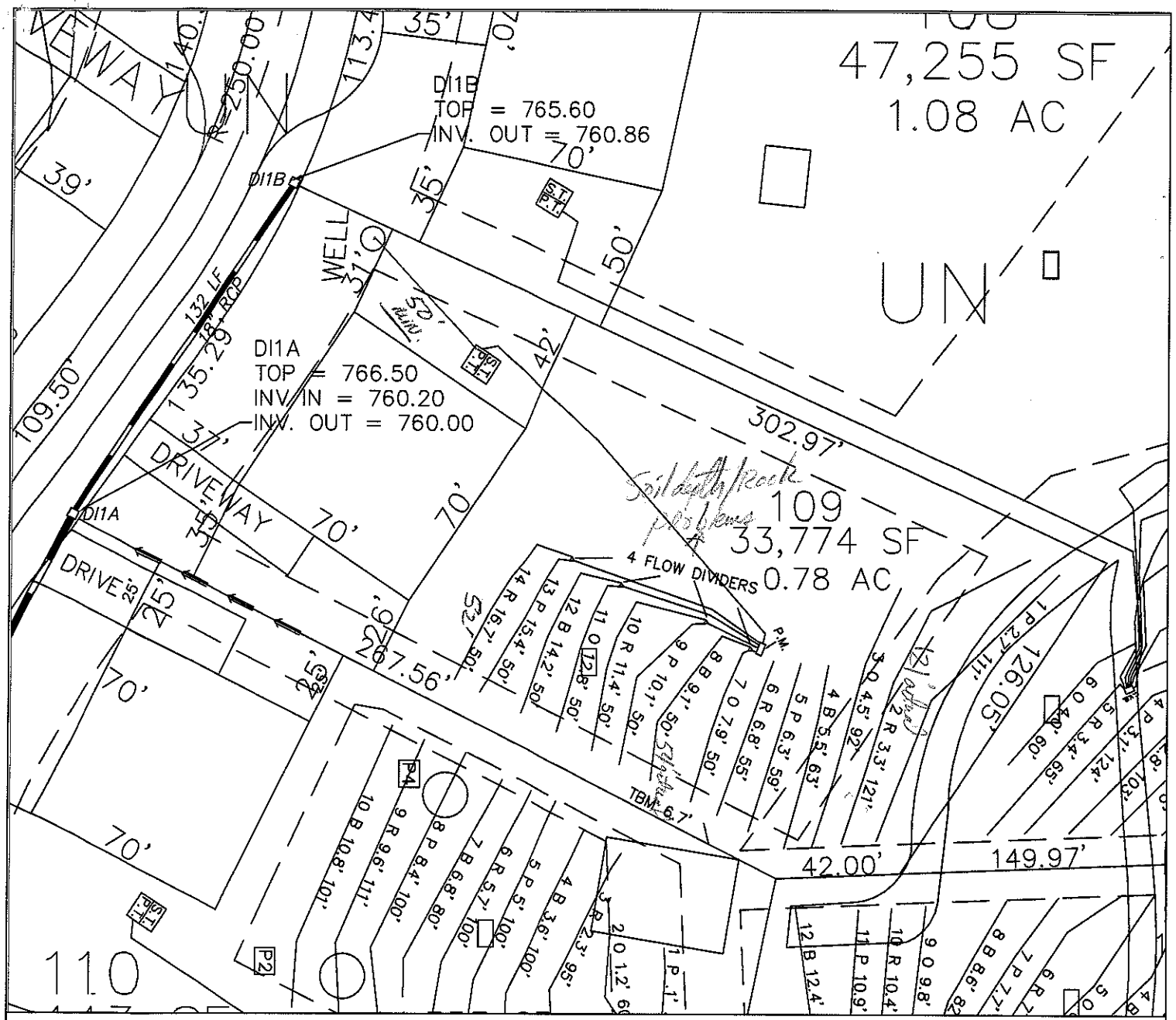
OWNER: Shea Homes
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ DATE EVALUATED: _____
LOCATION OF SITE: _____ PROPERTY SIZE: _____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☒ Auger Boring ☐ 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	AB	0-35	RC SBK	FR SS SP					.3
		35-48	RCL WSBK	FR SS SP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200ft2	1050ft2
System Type(s)	25% Red	PPBPS
Site LTAR	.3	.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA & Assoc
OTHER(S) PRESENT: _____

COMMENTS: _____



LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional, modified conventional and low-pressure pipe (lpp) septic systems.
- House Footprint (All 70' x 70')
- System lines.
- Repair lines.
- TBM.
- Well Location.
- Purposed Pit Location
- RS&ES Pit Location.
- Health Dept. Pit Location.

GRAPHIC SCALE
1" = 50'

50 0 50 100

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

ROLLANS SOIL & ENVIRONMENTAL SERVICES
2120 GRAHAM ROAD
MOUNT ULLA, NC 28125
PHONE/FAX: (704) 278 - 0989
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746 - 5046
EMAIL: ROLLANSFORTCJ@AOL.COM

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: ANNISTON, LLC. / ANNISTON PHASE II

LOCATION/DATE: SHEARER CHAPEL ROAD, IREDELL COUNTY, NORTH CAROLINA, JULY 2006

JOB # : 01-1005
FILE: C:\JOBS\01-1005
PROJECT MGR.: S.A.R.
FIELD WORK: S.A.R.
DRAWN BY: S.A.R.

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 466479 4557
DATE OF EVALUATION: 9-13-07
COUNTY: Iredell

OK MD 7/25/14

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
P1094	L/6-10 13% ✓	0-28	R c mmAbk	F SS P SEXP					PS
		28-48	RC, vvfmAbk	F SS SP SEXP	- C, sap	48	PS	—	0.25
		48-60	very l mass	Fr SSS P SEXP	- C, clay				
P1098	L/0-5	0-43	Rc mSBK/ABK	Fr SS SP SEXP	- vf sap				PS
		43-60	Rcl wmsbk	" " " "	- m, sap	60	—	—	0.275-0.3
(3)		0-5	wk sbk rdbrn cl	fr SS SP					? might be PS may be .1-.2
		5-17	ABK rdbrn c	fi SP SEXP		(4)	(4)?		
		17-40	massive cl SXP	fi SS SP					
		40-54	massive LSXP	fr SS SP					
					additional testing needed				
(4)		0-15	wk ABK DK-R-brn c	fi SP SEXP	- dwinl SXP				(4) — .2 maybe
		15-25	ABK c	fi SP	common - many dwinl SXP				
		25-38	Massive cl SXP	SXP w/ many c ind fr SS SP					
		38-50	massive L/cl SXP	fr SS SP					
					need additional testing				
(5)	6% ✓	0-3	wk sbk scl	fr SXP					.25-.275
		3-20	m ABK mod c	fi SSS P	dwinl SXP				
		20-55	wk sbk cl	fr SS SP	common SXP				

COMMENTS:

(6) 0-4 wksk brnsdL frssSp
4-32" wk Red c frssSp
32-44 wkAbL frssSp common-many inf/sSp ◎25
44-54 massive LSAp frssSp common C Vesicular

(7) 0-6 wkSBk scl/cl fi wavy sSp
6-30 sAk red c frSSp sSp ◎3
30-58 wk sbk cL frssSp scl wavy sSp

(8) 0-9 gravel (cobbles) ◎3 > 12"
9-12 compacted c
12-45 wk red c frssSp fi sSp inf
45-67 wk red cL frSSp common SAp

(9) 0-27 wk/red c frSSp
27-62 wk sbk red cL frssSp common SAp
62-67 massive LSAp frssSp fi sc inf ◎3

(10) 0-8 wksbk brn sdy cl
8-30 AbK red sc c fi SSp
30-43 AbK red sc c fSAp frssSp ◎25
43-60 wksbk cl fSAp frssSp