

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

Reference: Data Sheet for Anniston Lot 112
House Footprint: 75' x 70'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 5/600 GPD
Predetermined LTAR: 0.275 GPD/FT2 (ICHD) ✓
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM ✓
Tap Size: ½" SCH 80
System Flow: 32.88 GPM ✓
Dosing Volume: 238.9 gallons ✓
Pump Run Time: 7.3' ✓
Elevation Head: 11'
Friction Head: 2.8'
Pressure Head: 2'
Total Dynamic Head: 15.8'
Supply Line Length: 115'
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 24-36"

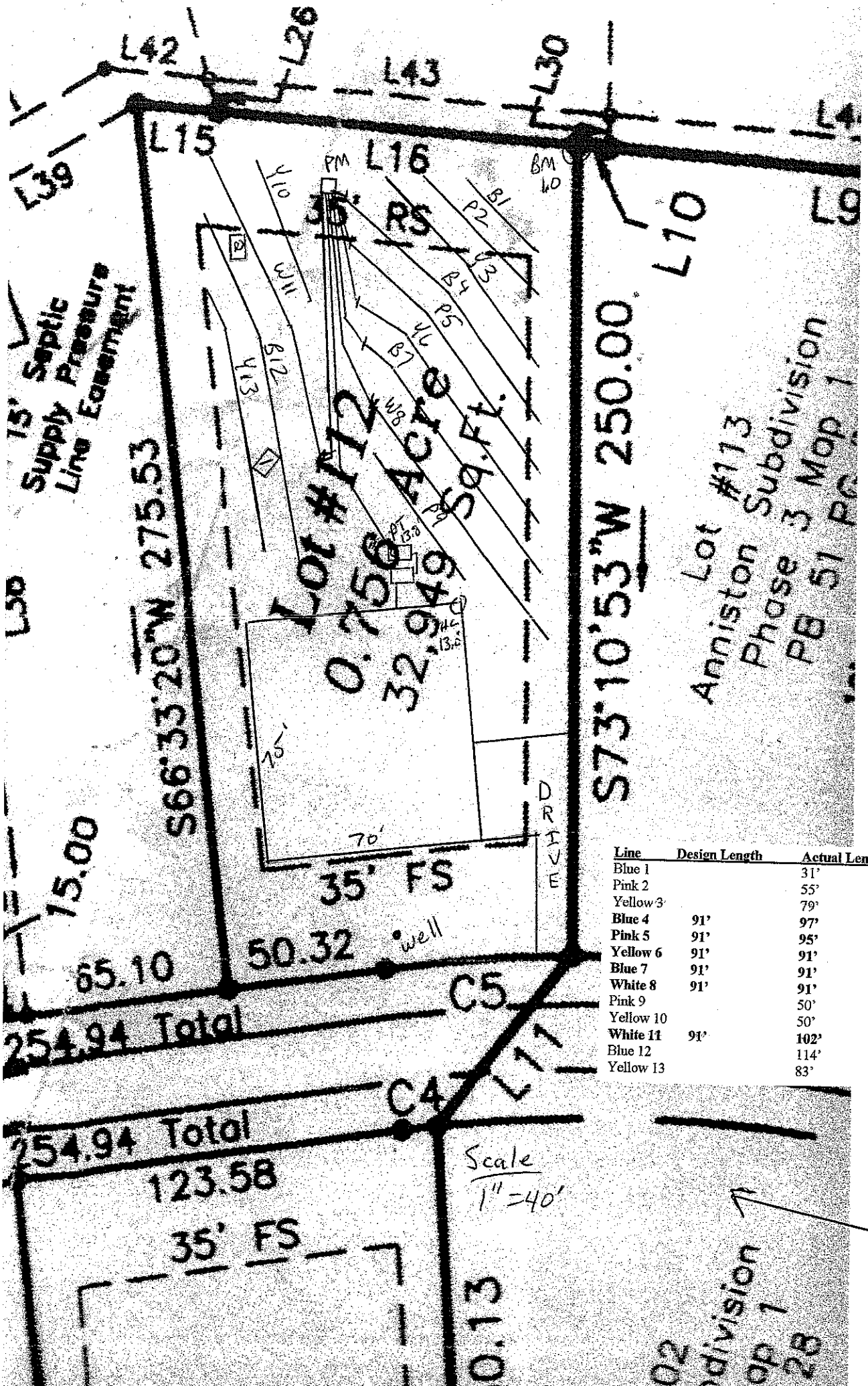
OK ICHD 9-9-14

Line	Design Length	Actual Length	Elevation
Blue 1		31'	3.8'
Pink 2		55'	4.9' ✓
Yellow 3		79'	6.3'
Blue 4	**91'**	**97'**	**7.8'** ✓
Pink 5	**91'**	**95'**	**9.0'** ✓
Yellow 6	**91'**	**91'**	**10.2'** ✓
Blue 7	**91'**	**91'**	**11.0'** ✓
White 8	**91'**	**91'**	**11.8'** ✓
Pink 9		50'	12.7' ✓
Yellow 10		50'	12.9' ✓
White 11	**91'**	**102'**	**14.6'** ✓

Line	Design Length	Actual Length	Elevation
Blue 12		114'	16.3'
Yellow 13		83'	18.5'

Initial System: 546' **Repair System:** 462'
Pump Tank: 13.8' **House Corner:** 13.0' **Benchmark:** 1.0'

Comments:
The house is marked in black pin flags. M A & Associates performed two soil observations in an area that was previously not evaluated. The LTAR was previously approved by ICHD.



Line	Design Length	Actual Length	Elevation
Blue 1		31'	3.8'
Pink 2		55'	4.9'
Yellow 3		79'	6.3'
Blue 4	**91'**	**97'**	**7.8'**
Pink 5	**91'**	**95'**	**9.0'**
Yellow 6	**91'**	**91'**	**10.2'**
Blue 7	**91'**	**91'**	**11.0'**
White 8	**91'**	**91'**	**11.8'**
Pink 9		50'	12.7'
Yellow 10		50'	12.9'
White 11	**91'**	**102'**	**14.6'**
Blue 12		114'	16.3'
Yellow 13		83'	18.5'

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

Sheet _1_ *of* _1_
PROPERTY ID #:4664794045
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: __Shea Homes_____ APPLICATION DATE_____
ADDRESS: __Charlotte, NC_____ DATE EVALUATED: _____
PROPOSED FACILITY: _5 bdrm_____PROPOSED DESIGN FLOW (.1949): _600 GPD_____PROPERTY SIZE: ___0.756 AC_____
LOCATION OF SITE: _Anniston Lot 112, 152 Timberline Dr._____ PROPERTY RECORDED: _10/26/2007_____
WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring Ξ Pit ☐ Cut TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

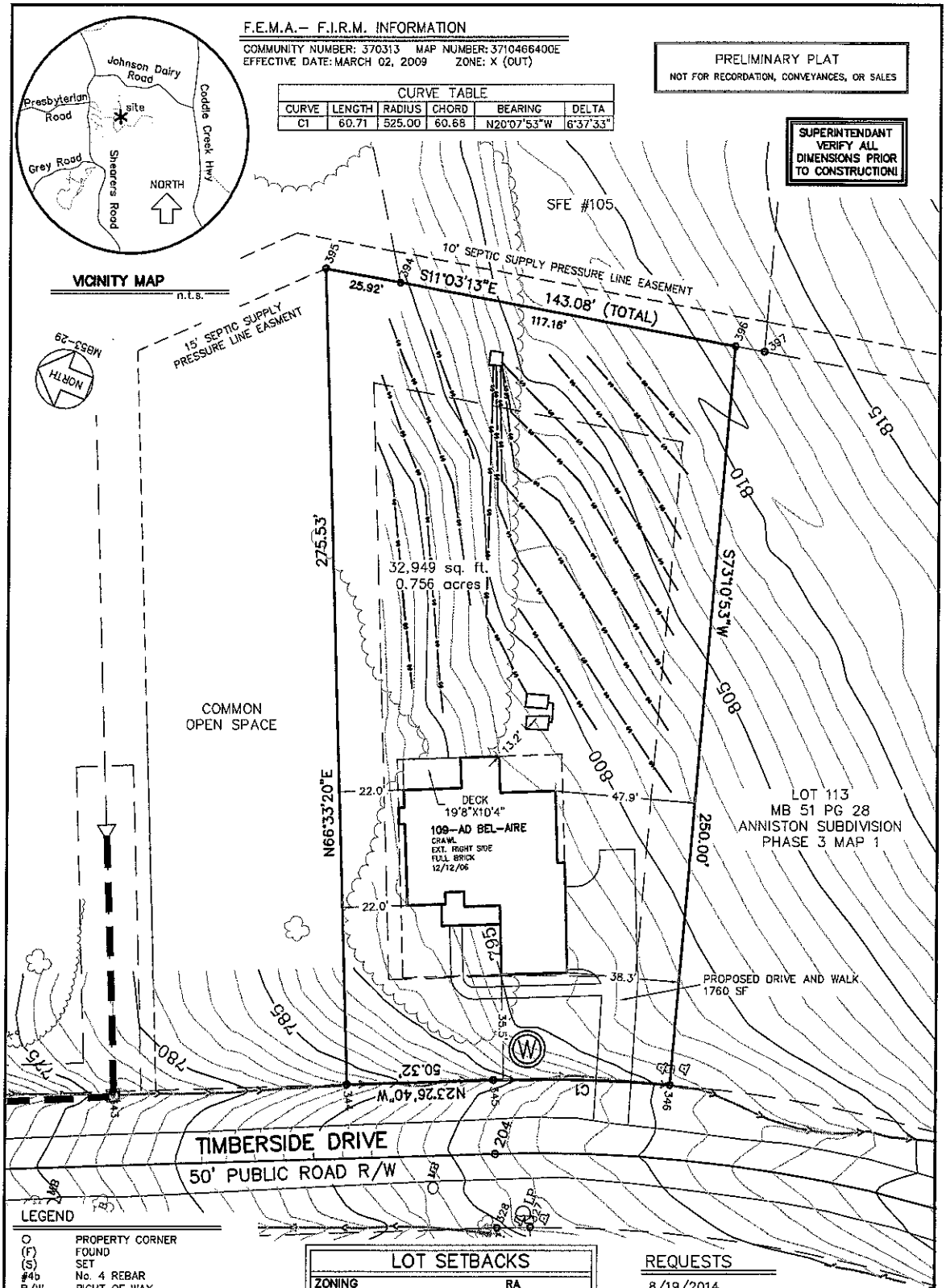
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 10%	0-39	R C SBK	FR SS SP	N/A	57"	N/A	N/A	PS 0.3
		39-57	R CL WSBK	FR SS SP					
2	LS 8%	0-28	R C SBK	FR SS SP	N/A	53"	N/A	N/A	PS 0.3
		28-53	R CL WSBK	FR SS SP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1638 FT2	1386 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.275 ICHD	0.275 ICHD

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

OK ICHD 9-9-14

COMMENTS: _____



PLOT PLAN
of
152 TIMBERSIDE DRIVE
MOORESVILLE, IREDELL COUNTY, N.C.

LOT 112 BLOCK ____ MAPBOOK 53 PAGE 29
SUBDIVISION ANNISTON SUBDIVISION PHASE 3 MAP 3
DEED REFERENCE: ____
for
SHEA HOMES

REVIEWED: | DATE: 08/25/2014 | REV.
DRAWN: B.S. HENSLEY | UPDATE:
JOB# ANN0112 | FILE# IRE

Lucas-Forman Incorporated
Land Surveying
Planning & Engineering
4000 Stuart Andrew Boulevard
Charlotte, North Carolina 28217
P.O. Box 11386 28220-1386
(704) 527-6626 Fax 527-9640

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

Sheet 1 of 1
PROPERTY ID #: Lot# 112
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

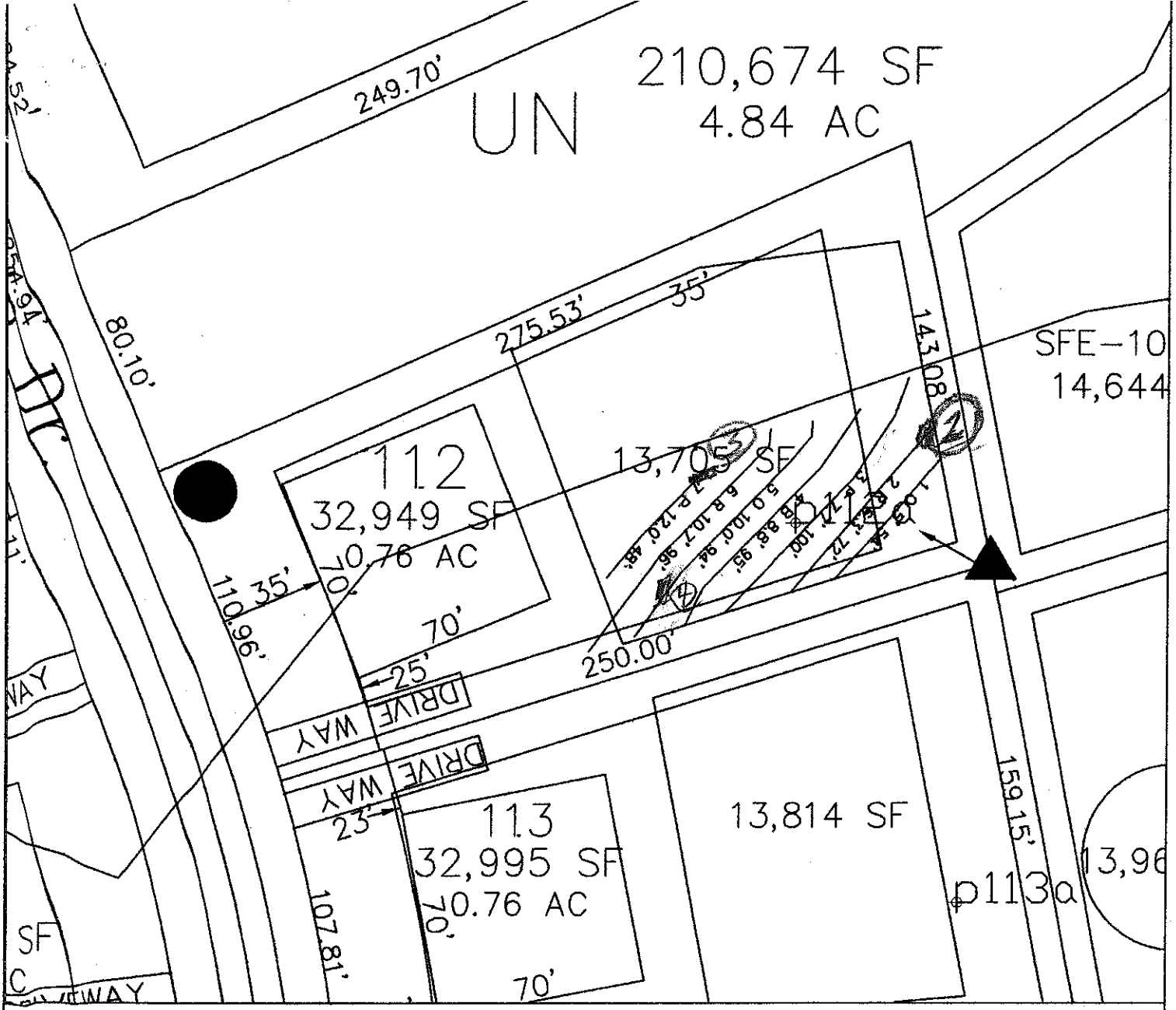
OWNER: Anniston, LLC
ADDRESS: Anniston Phase 3
APPLICATION DATE 10/6/06
DATE EVALUATED: 8/06
PROPOSED FACILITY: 5-bedroom
PROPOSED DESIGN FLOW (.1949): 600gpd
PROPERTY SIZE: ac
LOCATION OF SITE: Shearer's Road, Lt. on Anniston Way, Lt. Timberside Dr.
PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☐ Public ☐ 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
P 112A	LSS 0-5%	0-12 12-58	B CL WMABK RB CL WFABK/SBK	FR SS,SP, SEXP FR SS,SP SEXP	few Bn				PS 0.275-0.3
2		0-42 42-54	wk mod c wk mod cl	fr ss sp fr ss sp	few Bn				.275-.3
3		0-32 32-54	wk mod c wk mod cl	fr ss sp fr ss sp	few ind sap				.275
4	15% L	0-28 28-39 39-60	m-wk mod/fsbk c wk sbk cl massive sap	fr ss sp sap fr ss sp w/ ind sap fr ss sp	few-common ind sap w/ind cl quartz vein at end of pit		< 30%		.275

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Samuel Rollans & Brady Freeman
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.
- (25) RS&ES Pit Location.
- Well Location.
- [28] 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
211 GRAE RAMROAD
MOUNT ULLA, NC 28125
PHONE/FAX: (704) 278-0999
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746-5046
EMAIL: ROLLANSFORTC@AOL.COM

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: ANNISTON, LLC. / ANNISTON PHASE II

LOCATION/DATE: BREWER CHAPEL ROAD, REDELL 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.