

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

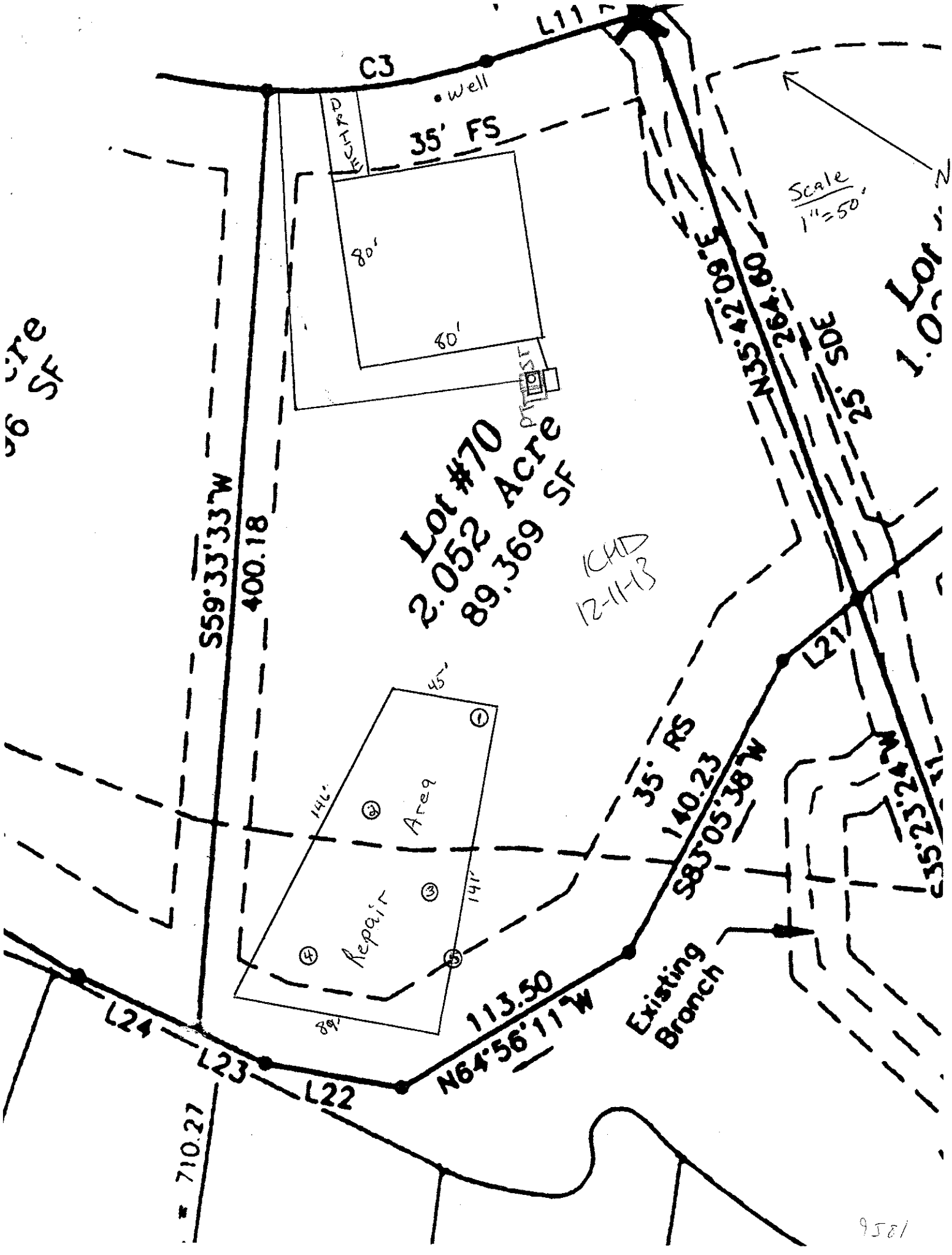
Reference: Data Sheet for Anniston Lot 70
House Footprint: 80' x 80'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private Well
Number of Bedrooms: 5/600 GPD
Proposed LTAR: 0.275 GPD/FT2 (initial), 0.1 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: Drip Irrigation
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 34.85 GPM
Dosing Volume: 306 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 65'
Friction Head: 28.4'
Pressure Head: 2'
Total Dynamic Head: 95.4'
Supply Line Length: 1153'
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Panels	Actual Length	Elevations
Blue 1	**61'**	**14**	**61'**	**99.3'**
Red 2	**43'**	**10**	**43'**	**98.7'**
Pink 3	**77'**	**18**	**77'**	**98.1'**
Orange 4	**60'**	**14**	**60'**	**96.6'**
White 5	**60'**	**14**	**60'**	**95.6'**
Blue 6	**63'**	**15**	**63'**	**94.6'**

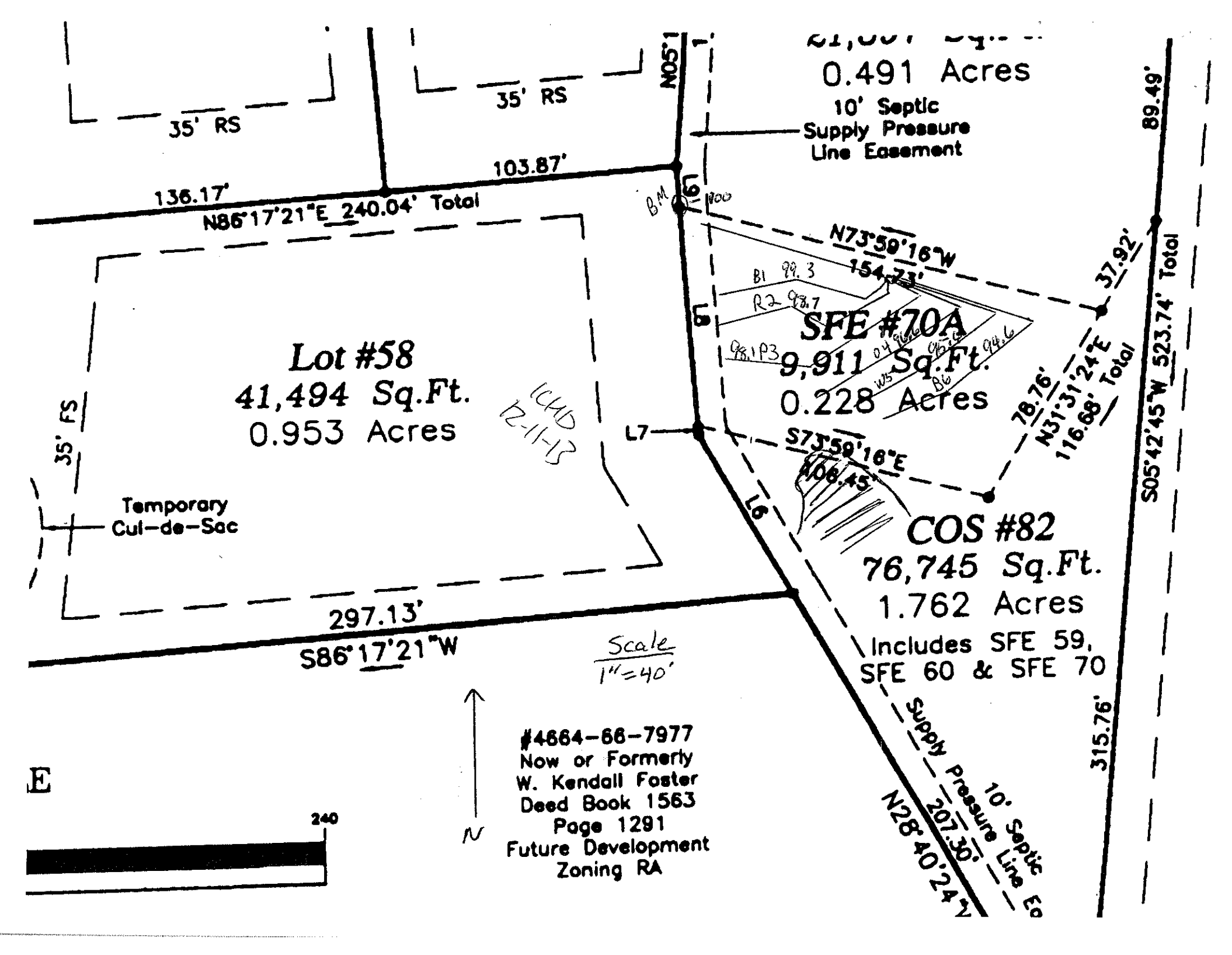
Initial System: 364' **Repair System:** 9581'
Pump Tank: 39.3' **House Corner:** 40.3' **Benchmark:** 100'

Comments:

All elevations were taken from the previous permitted plan of Rollins Environmental. The LTAR of the offsite easement was predetermined by Iredell County Environmental Health Dept.


C3
L11
well
35' FS
80'
80'
Lot #70
2.052 Acre
89,369 SF
ICHD
12-11-13
Scale
1"=50'
N35°42'08"E
264.80
25' SDE
S59°33'33"W
400.18
45'
141'
Repair Area
141'
89'
35' RS
140.23
S85°05'38"W
113.50
N64°56'11"W
Existing Branch
L24
L23
L22
L21
710.27

9581


35' RS
35' RS
N05°1
0.491 Acres
10' Septic
Supply Pressure
Line Easement
89.49'
103.87'
136.17'
N86°17'21"E 240.04' Total
BM
L6
N73°59'16"W
154.73'
37.92'
B1 99.3
R2 98.7
SFE #70A
9,911 Sq.Ft.
0.228 Acres
L5
Lot #58
41,494 Sq.Ft.
0.953 Acres
LCHD
12-11-13
L7
S73°59'16"E
106.45'
78.76'
N31°31'24"E
116.68' Total
S05°42'45"W 523.74' Total
35' FS
Temporary
Cul-de-Sac
L6
COS #82
76,745 Sq.Ft.
1.762 Acres
Includes SFE 59,
SFE 60 & SFE 70
297.13'
S86°17'21"W
Scale
1"=40'
Supply Pressure 10' Septic Line Ea
207.30'
N28°40'24"
315.76'
#4664-66-7977
Now or Formerly
W. Kendall Foster
Deed Book 1563
Page 1291
Future Development
Zoning RA
N
240

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

VERIFIED ICHD RS

Sheet ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _Kara Koontz_____ APPLICATION DATE_____
ADDRESS:_____ DATE EVALUATED: _____
PROPOSED FACILITY: _5 bdrm_____ PROPOSED DESIGN FLOW (.1949): _600 GPD___ PROPERTY SIZE: _____
LOCATION OF SITE: _Anniston lot 70_____ PROPERTY RECORDED: _____
WATER SUPPLY: Ξ Private Public Ξ Well Spring Other _____
EVALUATION METHOD: Ξ Auger Boring Pit Cut TYPE OF WASTEWATER: Ξ 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	LS 10%	0-24	BrR C SBK	FR SS SP		24"			DRIP 0.1
		24	SL/SCL SAP M	FR SS SP					
2	LS 10%	0-44	R C SBK	FR SS SP		44"			PS 0.3
		44	SCL SAP M	FR SS SP					
3	LS 10%	0-30	RBr C SBK	FR SS SP		48"			PS 0.3-0.25
		30-48	RBr CL WSBK	FR SS SP					
4	LS 5%	0-19	RBr CL WSBK	FR SS SP		19"			DRIP 0.1
		19-	SL SAP M	VFR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	728 FT2	9394 FT2
System Type(s)	PPBPS	DRIP
Site LTAR	0.275 (ICHD)	0.1

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _M A & Associates_____
OTHER(S) PRESENT: _____

COMMENTS:_____

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

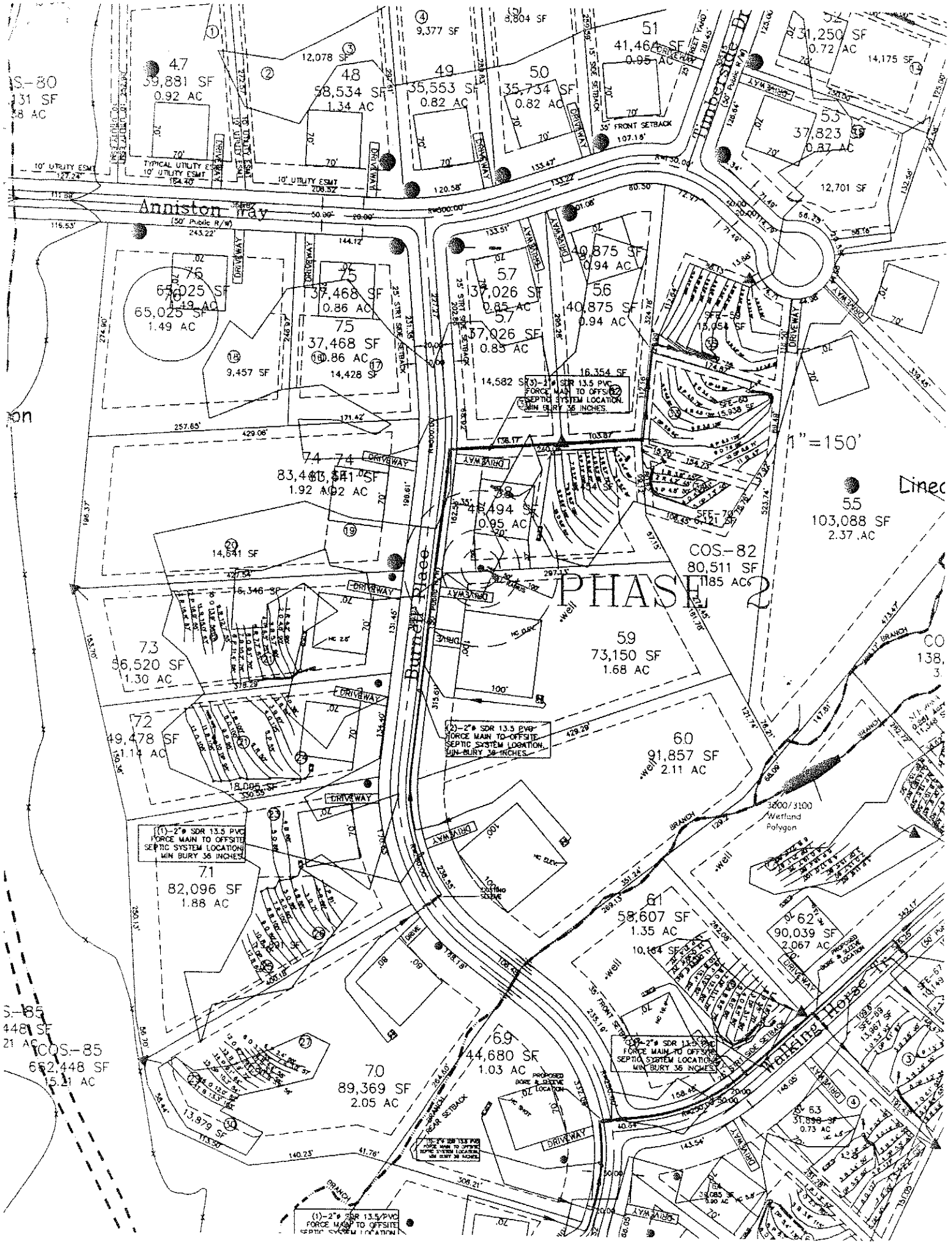
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

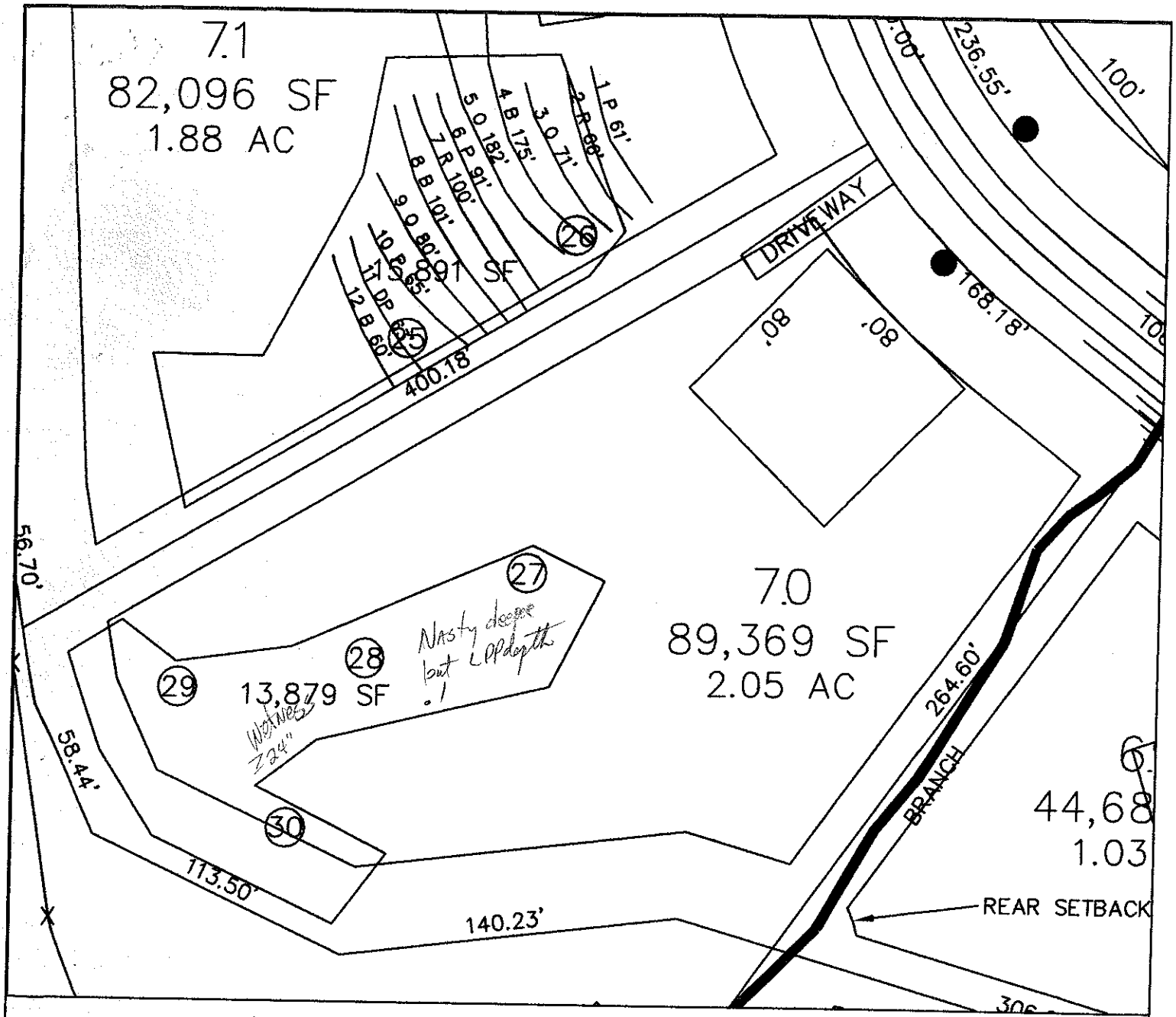
VERIFIED
ICHD 8A

PROPERTY ID #: ____________
DATE OF EVALUATION: ____________
COUNTY: ____________

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	
5	LS 5%	0-22	R C SBK	FR SS SP	Few YB	22"			DRIP 0.1
		22-	CHR 2						

COMMENTS: ____________


Anniston Way
Timberside Dr
Burnett Place
Wekiwa Horse Trail
PHASE 2
47
39,881 SF
0.92 AC
48
58,534 SF
1.34 AC
49
35,553 SF
0.82 AC
50
35,734 SF
0.82 AC
51
41,464 SF
0.95 AC
52
31,250 SF
0.72 AC
53
37,823 SF
0.87 AC
54
40,875 SF
0.94 AC
55
103,088 SF
2.37 AC
56
40,875 SF
0.94 AC
57
37,026 SF
0.85 AC
58
48,494 SF
0.95 AC
59
73,150 SF
1.68 AC
60
91,857 SF
2.11 AC
61
58,607 SF
1.35 AC
62
90,039 SF
2.067 AC
63
31,898 SF
0.73 AC
69
44,680 SF
1.03 AC
70
89,369 SF
2.05 AC
71
82,096 SF
1.88 AC
72
49,478 SF
1.14 AC
73
36,520 SF
1.30 AC
74
83,413 SF
1.92 AC
75
37,468 SF
0.86 AC
76
65,025 SF
1.49 AC
COS-82
80,511 SF
1.85 AC
COS-85
662,448 SF
15.21 AC
3000/3100
Wetland
Polygon
(1)-2" SDR 13.5 PVC FORCE MAIN TO OFFSITE SEPTIC SYSTEM LOCATION MIN BURY 36 INCHES
(2)-2" SDR 13.5 PVC FORCE MAIN TO OFFSITE SEPTIC SYSTEM LOCATION MIN BURY 36 INCHES
(3)-2" SDR 13.5 PVC FORCE MAIN TO OFFSITE SEPTIC SYSTEM LOCATION MIN BURY 36 INCHES
DRIVEWAY
well



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.
- Temporary Bench Mark (TBM)
- Well Location. (25) Pit Location.

GRAPHIC SCALE
1" = 60'

60 0 60 120

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

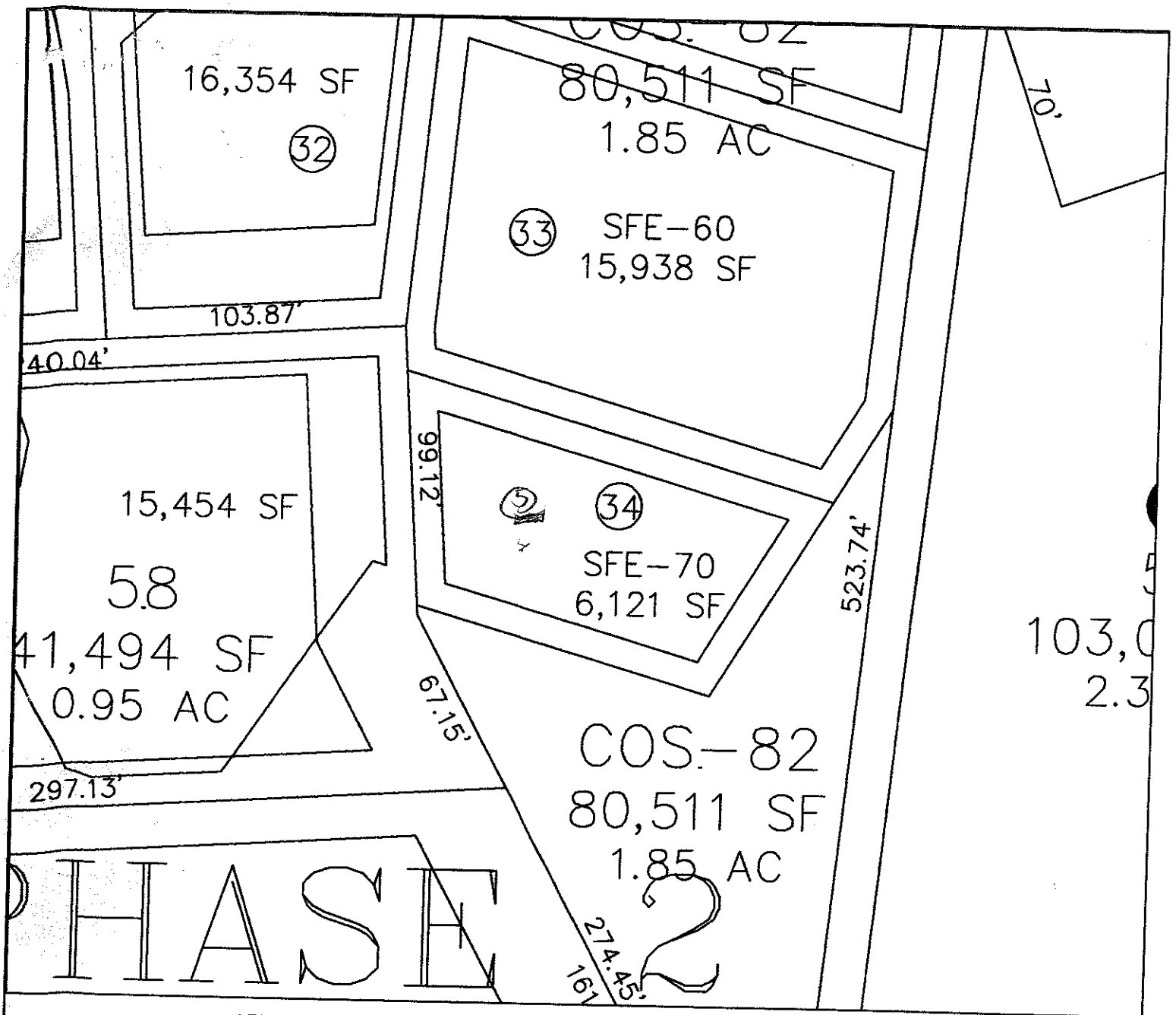
ROLLANS SOIL & ENVIRONMENTAL SERVICES
2120 GRAHAM ROAD
MOUNT ULLA, NC 28125
PHONE/FAX: (704) 278-0989
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746-5046
EMAIL: ROLLANSFORTCJ@AOL.COM

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: ANSTON, LLC. / ANSTON PHASE II

LOCATION/DATE: SHERRER CHAPEL ROAD, RICHELL 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.



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.
- Temporary Bench Mark (TBM)
- Well Location. (25) 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.

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ROLLANS SOIL & ENVIRONMENTAL SERVICES
2120 GRAHAM ROAD
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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: ASHSTON, LLC. / ASHSTON PHASE II

LOCATION/DATE: SHERRER CHAPEL ROAD, REBELL COUNTY, NORTH CAROLINA, JULY 2005

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 #: _____
DATE OF EVALUATION: _____
COUNTY: _____

Anniston Phase II Section B Lot 70

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
P 28	LSS 5-10%	0-54	RC MABk	SS,SP,Fr SEXP	few YB & Common Sap	54"	N/A	N/A	PS .275
P 29	LSS 5-10%	0-12	B SCL WSBk	SS,SP,Fr SEXP	Chr 2 @ 31" Common Mn & YB Chr 2 31"	54"	N/A	31"	PS .25 to 31"
		12-31	RC MABk	SS,SP,Fr SEXP					
		31-54	YR C WABk	S,P,Fi SEXP					
P 30	LSS 5<10%	0-46	YR C MABk	S,P,Fi SEXP	Chr 2 >25"	60"	N/A	25"	PS .125 LPP
		46-60	YR CL WSBk	SS,SP,Fr SEXP Many Sap					
P 34	LSS 5-10% Septic Easement	0-38	RC MABk	SS,P,Fr SEXP	few YB few Sap	54"	N/A	N/A	PS .275-.3
		38-54	RCL MFABk	SS,SP,Fr SEXP					
(3)		0-20	MABk mdC	[illegible] SEXP	Sap				.275-.3
		20-48	MSBk mdC	[illegible] SEXP					

COMMENTS: _____