

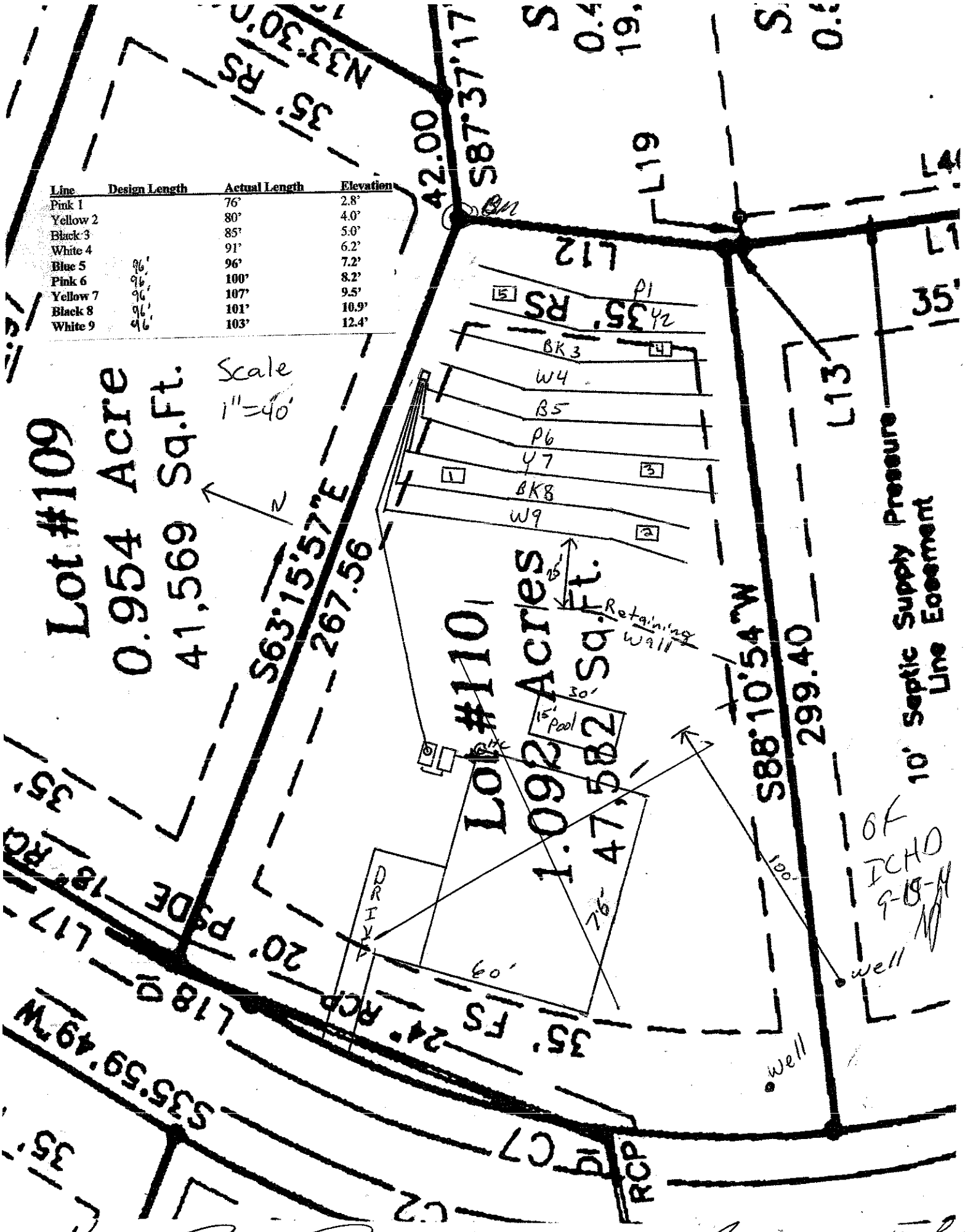
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Anniston Lot 110
House Footprint: 76' x 57'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private Well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.25 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM
Tap Size and Material: ½" SCH 80
System Flow: 27.4 GPM
Dosing Volume: 210 gallons
Pump Run Time: 7.7'
Elevation Head: 16.4'
Friction Head: 2.4'
Pressure Head: 2'
Total Dynamic Head: 20.8'
Supply Line Length: 130'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 24-36"

Line	Design Length	Actual Length	Elevation
Pink 1		76'	2.8'
Yellow 2		80'	4.0'
Black 3		85'	5.0'
White 4		91'	6.2'
Blue 5	**96'**	**96'**	**7.2'**
Pink 6	**96'**	**100'**	**8.2'**
Yellow 7	**96'**	**107'**	**9.5'**
Black 8	**96'**	**101'**	**10.9'**
White 9	**96'**	**103'**	**12.4'**

Initial System: 480' **Repair System:** 332'
Pump Tank: 23.6' **House Corner:** 23.3' **Benchmark:** 1.0'

Comments:



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Pink 1		76'	2.8'
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OF ICHD 9-18-14

HOUSE BOX, POOL, AND TANKS CHANGED. NO POOL HOUSE & TANKS SHIFTED. SEE PAGE INITIALED BY GARY MCNEELY. 11/5/14

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

PROPERTY ID #: 4664793475
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Shea Homes APPLICATION DATE
ADDRESS: Charlotte, NC DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 1.092 AC
LOCATION OF SITE: Anniston Lot 110 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

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 7%	0-22	R C ABK	FI-FR SS SP	Few YB	60"	N/A	N/A	PS 0.3-0.275
		22-48	R C WSBK	FR SS SP					
		48-60	R CL WSBK	FR SS SP					
2	LS 7%	0-32	R C ABK	FR SS SP	N/A	52"	F-C SAP	N/A	PS 0.3
		32-52	R CL WSBK	FR SS SP			PS		
		52-65	R L SAP M	VFR SS SP					
3	LS 7%	0-60	R C ABK	FI-FR SS SP	N/A	60"	N/A	N/A	PS 0.3
4	LS 7%	0-58	R C ABK	FI-FR S SP	N/A	58"	PS	N/A	PS 0.3
		58-65	R L SAP M	VRI SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	996 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	~~0.3~~ .25	~~0.275~~ .25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates OK ICHD 9-15-14
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

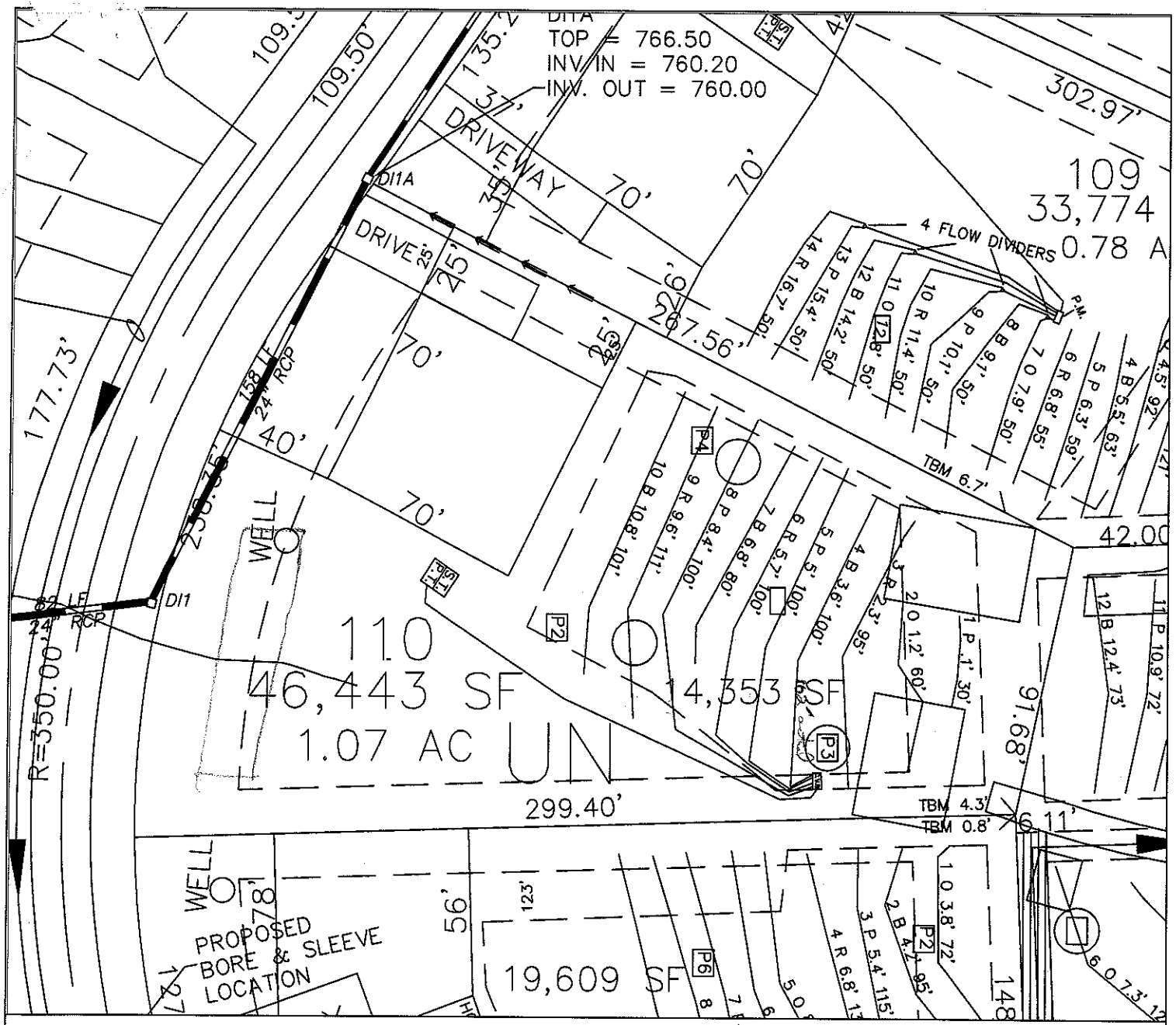
(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4664793475
DATE OF EVALUATION:
COUNTY: Iredell

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 7%	0-48	R C ABK	FI-FR S P	Few YB @ 36"	60"	F-C SAP	N/A	PS 0.275
		48-60	R C WSBK	FR SS SP					

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.

ugly repair

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: ROLLANSFORTQ@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.

R=550.00'
117.73'
WELL
238.35'
78'
WELL
40'
110
46,443 SF
1.07 AC
DRIVE
25'
WELL
56'
35'
299.40'
25'
426'
471.86'
109
33,774 SF
0.78 AC
101.40'
95'
250.05'
1"=40'

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

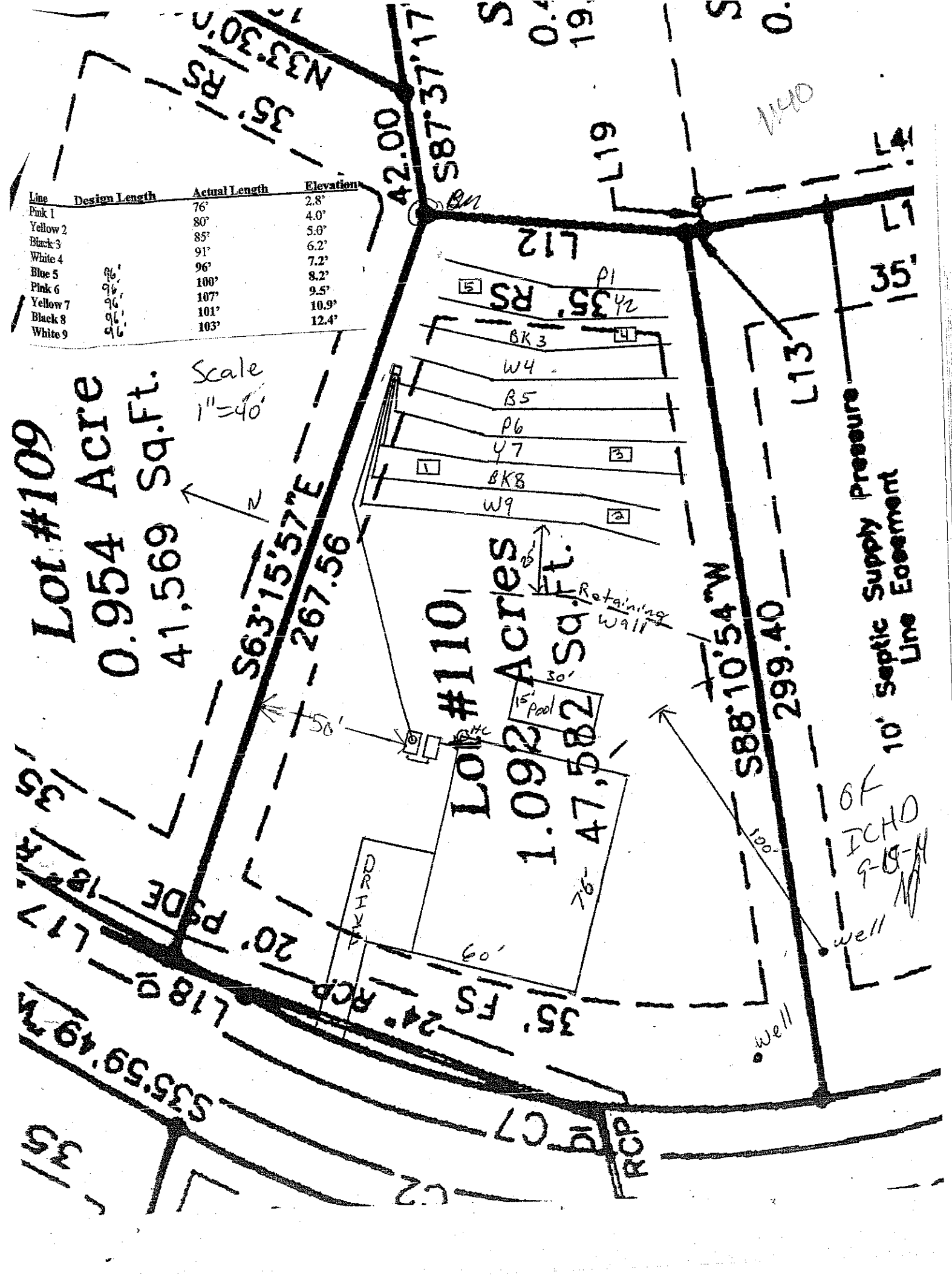
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Annisboro Ph III Sec. 2

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

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P110A	L/Gp	0-47	R C mfAbk	FrssoSExp	Vf. sap				PS
		47-60	R C mdmAbk	F s p SExp	f sap C YBR f Chr Z's	60"	—	—	0.25-0.275
(2)		0-27	mfGR-abk rbrn C	frssSp	sap				
		27-47	ABK rbrn C	fi-frssSp	common brn mottles @ root channels				.2-.225
		47-65	ABK rbrn C	frssSp	common sap and - common brn mottles				
(3)	not to restrictive 9-10% L	0-16	sdlgrgranic fill						
		16-31	mGR/mk red C	frssSpSES					.25 X
		31-57	wk gbk cl	frssSp common ybr mottles, fe/mn sap/plinite					16"
(4)		0-16	wk gbk brn Rdbrn cl	frssSp					
		16-33	wk mbk Redbrn C	fi-frSSSSp fe/mn sap					
		33-43	wk SBK Redbrn C	frssSp common sap					-.25
		43-63	wk SBK ypbr cl	frssSp common sap					

COMMENTS: _____



Line	Design Length	Actual Length	Elevation
Pink 1		76'	2.8'
Yellow 2		80'	4.0'
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