

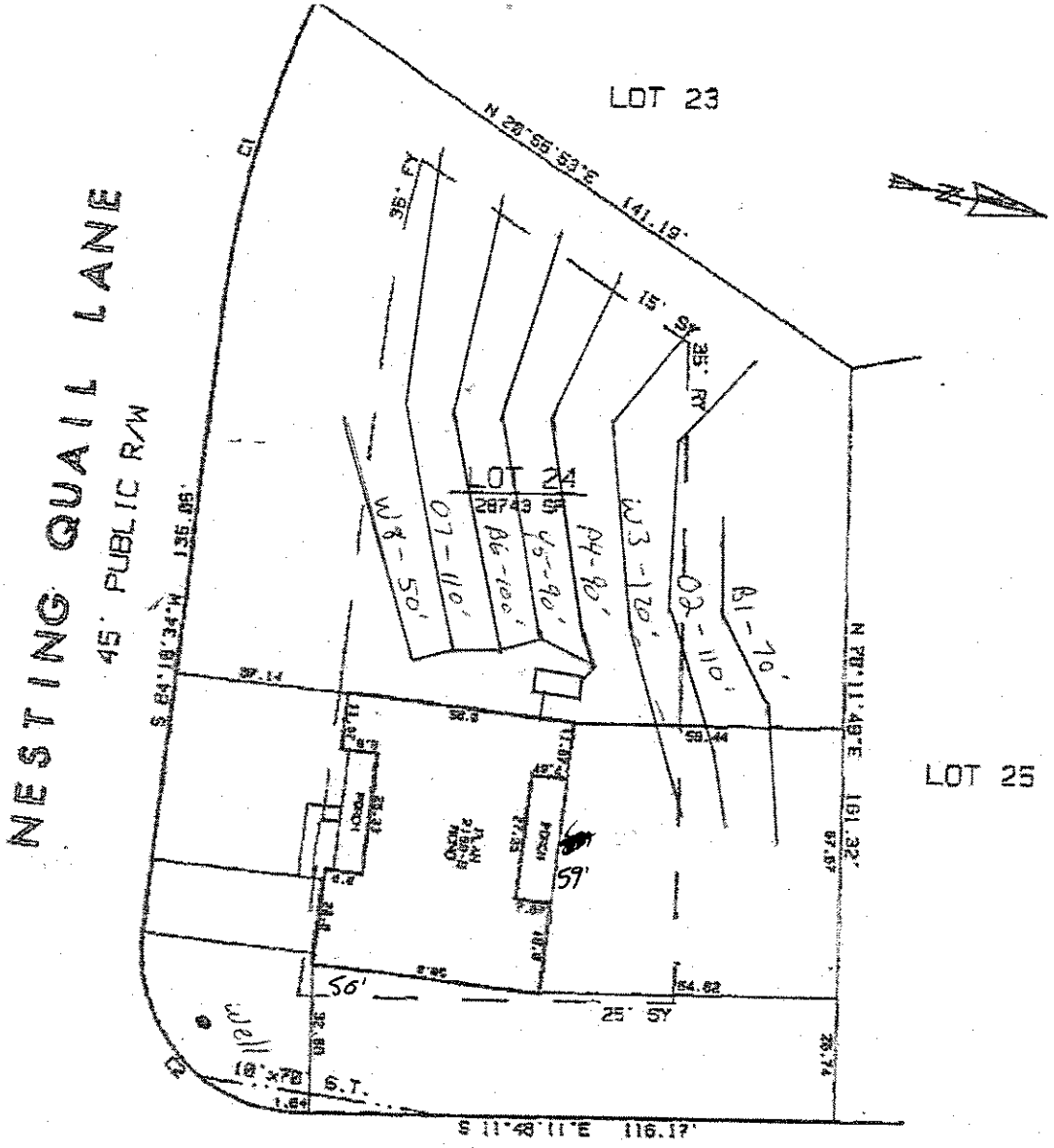
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Highland Ridge Lot 24
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side , 25' side street
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.275 GPD/FT2 (ICHD) @ 36" TB
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom:

Line	Design Length	Actual Length
Blue 1		70'
Orange 2		110'
White 3		120'
Pink 4	**90'**	**161'**
Yellow 5	**90'**	**98'**
Blue 6	**100'**	**103'**
Orange 7	**110'**	**115'**
White 8	**50'**	**56'**

Initial System: 440' **Repair System:** 300'

Comments:
Install At 36" Trench Bottom for .275 LTAR.



CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	18°36'54"	207.60'	67.37'	33.98'	67.07'	N 65°23'25"W
C 2	96°07'19"	35.00'	58.72'	38.95'	52.07'	S 36°15'12"W

NOTE: U.G. UTILITIES IN AREA SERVING OTHER PROPERTIES.
THIS PROPERTY SUBJECT TO ANY EASEMENTS OR RIGHT-OF-WAYS OF RECORD.
SEE RECORD PLAT FOR FURTHER NOTES.

IPF - IRON PIN FOUND
IPS - IRON PIN SET
BC - BACK OF CURB
CM - CONCRETE MONUMENT
PSDE - PUBLIC STORM DRAIN EASEMENT
S.T. - SIGHT TRIANGLE

SCALE - 1" = 40'

0 20 40 60 80

ADAMS HOMES

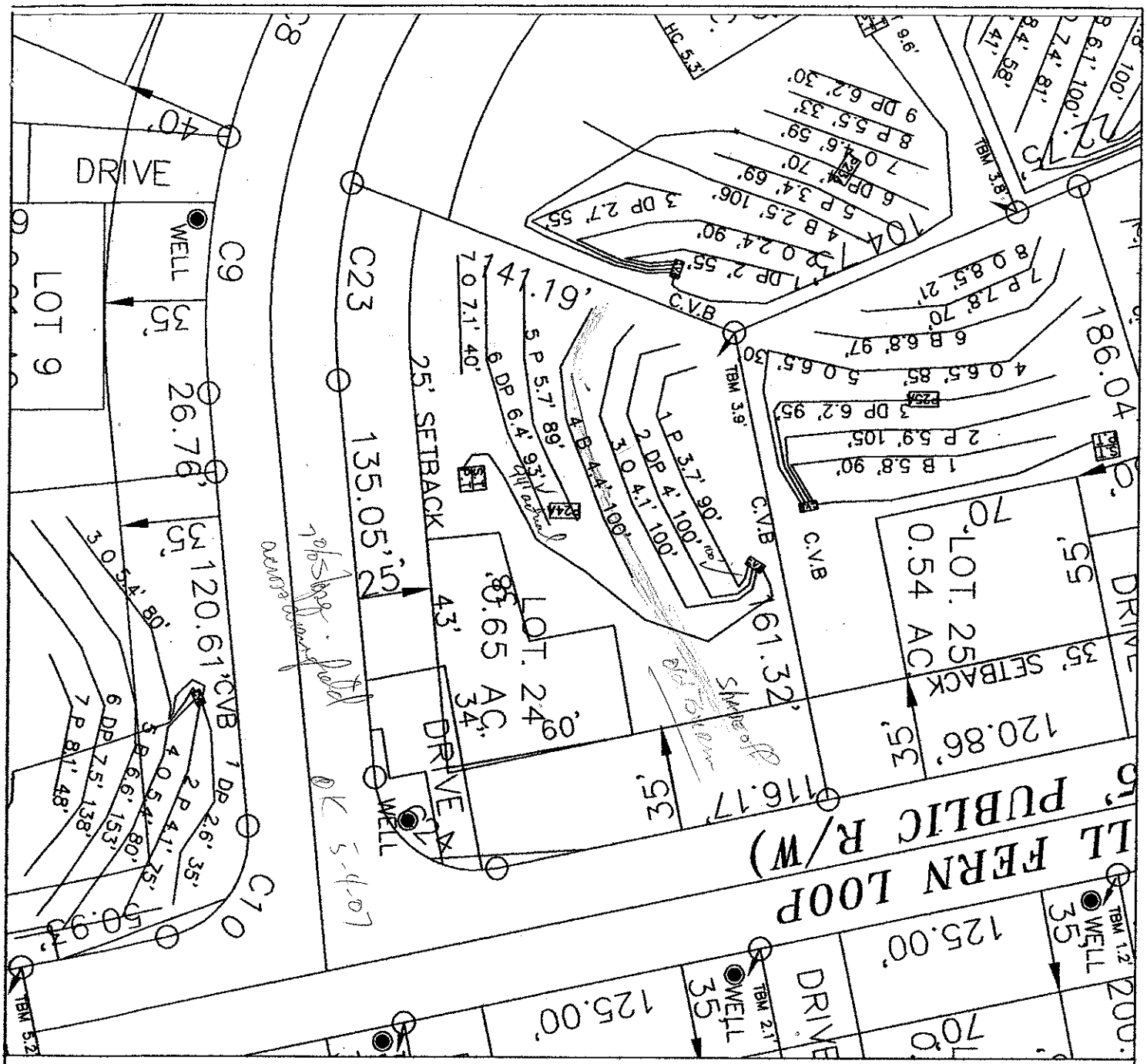
PLOT PLAN

OF

134 TALL FERN LOOP
LOT 24 OF HIGHLAND RIDGE
FALLSTOWN TOWNSHIP, IREDELL COUNTY, N.C.

MAP RECORDED IN BOOK 53
AT PAGE 28

ADDED=12
DSK AD=27 HLR24
DATE: 09/16/14
DRAWN: CLJ



LEGEND

House Box.

System lines.

Repair lines.

House Corner Shot.

T.B.M.

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)766-5046
EMAIL: ROLLANSFORTC@AOL.COM

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: ORCHARDS OF LLD / HIGHLAND RIDGE

LOCATION/DATE: PERRY ROAD, IREDELL COUNTY, NORTH CAROLINA, FEBRUARY 2007

JOB # : 01-1329
FILE: C:\JOBS\01-1329
PROJECT MGR.: C.B.F.
FIELD WORK: C.B.F. & A.L.P.
DRAWN BY: C.B.F.

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

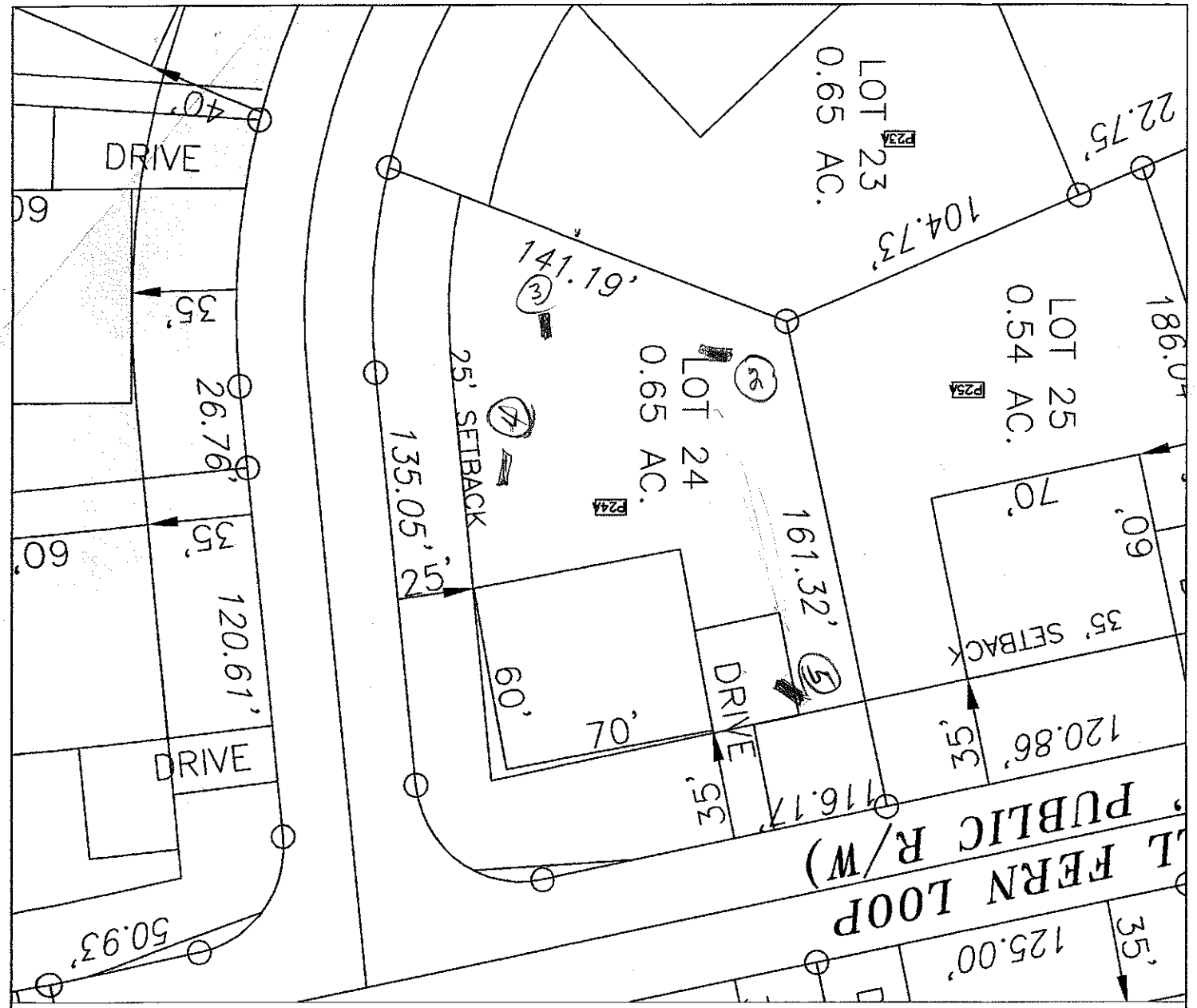
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

lot 24 Highland Ridge

PROPERTY ID #: ____
DATE OF EVALUATION: 1/07
COUNTY: Iredell

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
24 A	LSS 5-10%	0-27	RC ABK	fi SP- low Chromas	3's/4's				.25 <27" / .3 >27"
		27-60	RCL MFSBK	fi SSSP					
				Common SP					
(2)		0-6	gr brn sl	fr SSSP					.275
		6-30	MFSBK rdc	fr SSSP	few y brn's				
		30-62	MFSBK rdcl	fr SSSP	few common sap				
(3)		0-4	gr brn sl	fr SSSP					.25<25" / >3>25"
		4-25	MFSBK rdc	fr SSSP common-many y brn mottles					
		25-59	WKFSBK rdcl	fr SSSP few	common sap, few gravel rock				
							36" to depth		
(4)		0-5	gr brn sl	fr					.225-.25 / .3>33"
		5-33	MFSBK c	fr SSSP	common y brn mottles				
		33-60	WKFSBK rdcl	fr SSSP					
							Imp 44 depth 3½-4½' ft		
(5) in old burn		0-13	gr brn sl	fr SSSP					(4)
		13-53	fine ABK rdc dist	fr SSSP SOXP many y brn's few	28" + Chr 2				

COMMENTS: ____



LEGEND

- House Box.
- System lines.
- Repair lines.
- House Corner Shot.
- T.B.M.

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

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: 60 OF NC / HIGHLAND RIDGE

LOCATION/DATE: PERTH ROAD IREDELL COUNTY, NORTH CAROLINA FEBRUARY 2007

JOB # :	01-1329
FILE:	C:\JOBS\01-1329
PROJECT MGR.:	C.B.F.
FIELD WORK:	C.B.F. & A.L.P.
DRAWN BY:	C.B.F.