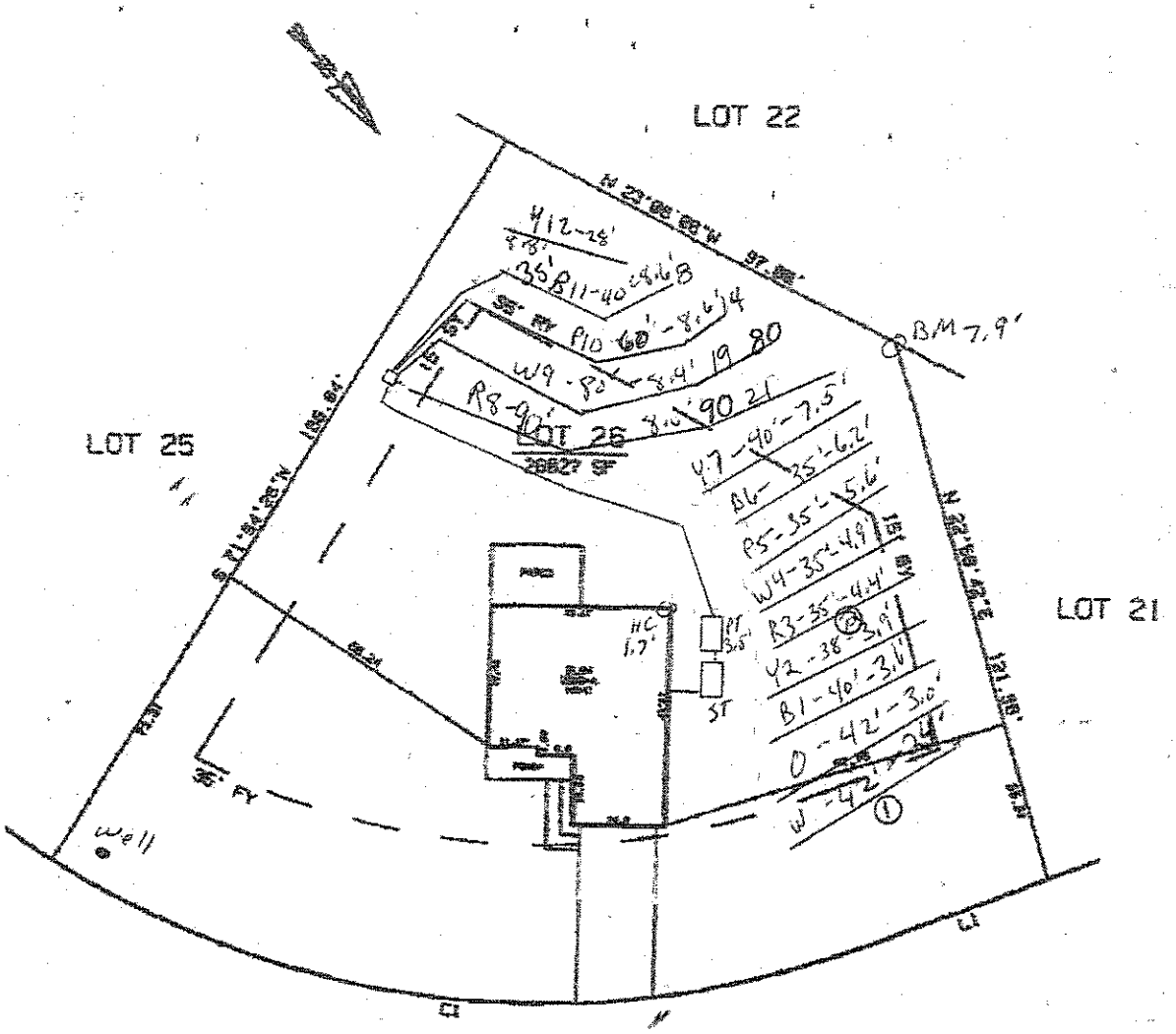


TALL FERN LOOP

45' PUBLIC R/W

APPROVED DEC 08 2014
Richard Ferris

LINE	BEARING	DISTANCE
L 1	S 71°55'04"E	48.14'

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	52°32'35"	207.50'	190.29'	102.42'	183.69'	S 44°51'46"E

ADAMS HOMES

PLOT PLAN

OF

116 TALL FERN LOOP
LOT 26 OF HIGHLAND RIDGE
FALLSTOWN TOWNSHIP, IREDELL COUNTY, N.C.

SCALE - 1" = 40'

0 20 40 60 80

MAP RECORDED IN BOOK 53
AT PAGE 28

ADDED#12
DATE: 05/03/14
DSK AD#27 HLR26
DRAWN BY ASW/CLJ

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

Sheet _1_ *of* _1_
PROPERTY ID #: 4639975835
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: __Adams Homes_____ APPLICATION DATE_____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: ___0.59 AC_____
LOCATION OF SITE: _Highland Ridge Lot 26_____ 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 6%	0-12	Br SCL WSBK	FR SS SP	F-C YB No YB	48"	N/A	N/A	PS 0.25
		12-36	R C SBK	FR SS SP					
		36-48	R CL WSBK	FR SS SP					
2	LS 6%	0-10	Br SCL WSBK	FR SS SP	Few YB No YB	48"	N/A	N/A	PS 0.25
		10-34	R C SBK	FR SS SP					
		34-53	R CL WSBK	FR SS SP					
3									
4									
						APPROVED DEC 08 2014 Richard Tarris			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 FT2	740 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3 (ICHD)	0.25

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

COMMENTS: _____



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

Reference: Data Sheet for Highland Ridge Lot 26
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial-ICHD), 0.25 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 36.6 GPM
Dosing Volume: 223.2 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 0.5'
Friction Head: 3.2'
Pressure Head: 2'
Total Dynamic Head: 5.7'
Supply Line Length: 100'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"
Proposed Trench Width: 24"

APPROVED DEC 08 2014
Richard Farris

Line	Design Length	# of Panels	Actual Length	Elevation
White			42'	2.4'
Orange			42'	3.0'
Blue 1			40'	3.6'
Yellow 2			38'	3.9'
Red 3			35'	4.4'
White 4			35'	4.9'
Pink 5			35'	5.6'
Blue 6			35'	6.2'
Yellow 7			40'	7.5'
Red 8	**90'**	**21**	**99'**	**8.0'**

Line	Design Length	# of Panels	Actual Length	Elevation
White 9	**80'**	**18**	**81'**	**8.4'**
Pink 10	**60'**	**14**	**65'**	**8.6'**
Blue 11	**40'**	**9**	**44'**	**8.6'**
Yellow 12			28'	8.8'

Initial System: 270' **Repair System:** 370'
Pump Tank: 3.5' **House Corner:** 1.7' **Benchmark:** 7.9'

Comments:

APPROVED DEC 08 2014

Richard Torres

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

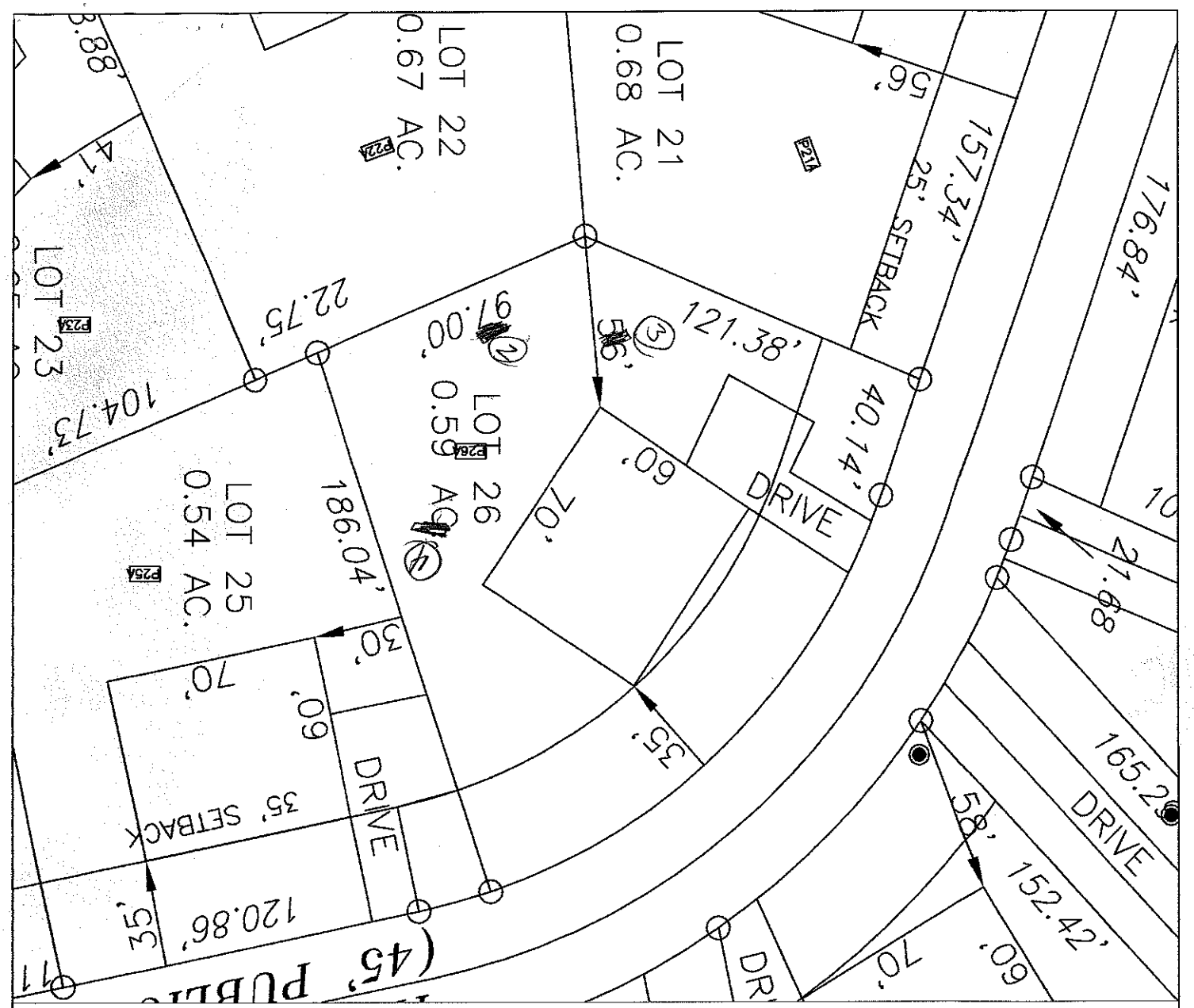
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

lot 26 Highland Ridge

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

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
26 A	terraced/ LSS 0-5%	0-23	RL MFSBK/GR	fi SSSP SMPO	—	54	--	—	PS .3
		23-54	RCL WSBK	fi SSSP SMPO					
				common SAP					
2		0-2	gr bnsl	fr					.25 ≤ 24 .3 > 24
		2-24	BKL wdc	fr SSSP	common y brts				
		24-60	WKSBK CL SMP	fr SSSP					
3		0-6	gr bnsol	fr SSSP					.25 .3
		6-24	MFSBK wdc	fr SSSP	few common y brts				
		24-54	MWKSBK wdc	fr SSSP	common SMP				
4		0-8	gr bnsol	fr SSSP					.25 .3
		8-13	WKSBL cl	fr SSSP					
		13-33	MBKL wdc	fr SSSP	common y brts				
		33-62	WKSBL CL SMP	fr SSSP					

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: 80 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.