37A



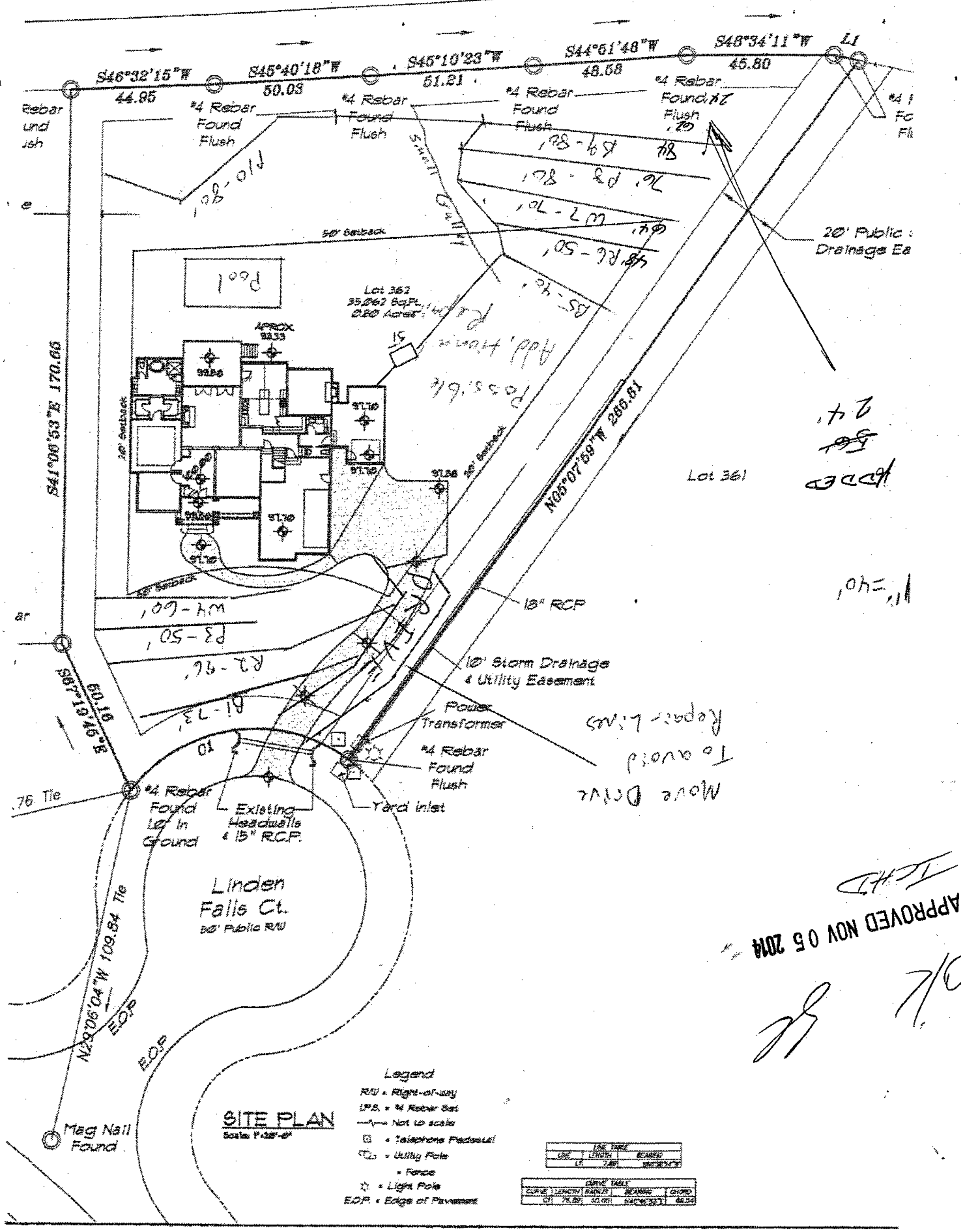
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for 105 Linden Falls Ct., Farms, Lot 362
House Footprint: 65' x 65'
Building Setbacks: 50' front/rear, 20' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Drop boxes/end cap
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Blue 1		73'
Red 2		96'
Pink 3		50'
White 4		60'
Blue 5	**40'**	**42'**
Red 6	**50'**	**59'**
White 7	**70'**	**72'**
Pink 8	**80'**	**97'**
Blue 9	**80'**	**80'**
Pink 10	**80'**	**80'**

Initial System: 400' **Repair System:** 279'

Comments:
Do not grade within 15' of septic system area. The small gully needs to be filled.


S46°32'15"W
44.95
S45°40'18"W
50.03
S45°10'23"W
51.21
S44°51'48"W
48.58
S48°34'11"W
45.80
L1
#4 Rebar Found Flush
#4 Rebar Found Flush
#4 Rebar Found Flush
#4 Rebar Found Flush
50' Setback
20' Public Drainage Ea
Pool
Lot 362
35,062 Sq.Ft.
0.80 Acres
APROX.
S41°06'53"E 170.66
N05°07'59"W 286.61
Lot 361
18" RCP
10' Storm Drainage & Utility Easement
Power Transformer
#4 Rebar Found Flush
Yard Inlet
S67°10'46"E 60.16
#4 Rebar Found 1.0' In Ground
Existing Headwalls & 15" R.C.P.
Linden Falls Ct.
50' Public R/W
N29°06'04"W 109.84 Tie
E.O.P.
E.O.P.
Mag Nail Found
SITE PLAN
Legend
R/W = Right-of-way
I.P.S. = #4 Rebar Set
Not to scale
= Telephone Pedestal
= Utility Pole
= Fence
= Light Pole
E.O.P. = Edge of Pavement
LINE TABLE
CURVE TABLE
Move Drive To avoid Repair Lines
APPROVED NOV 05 2014

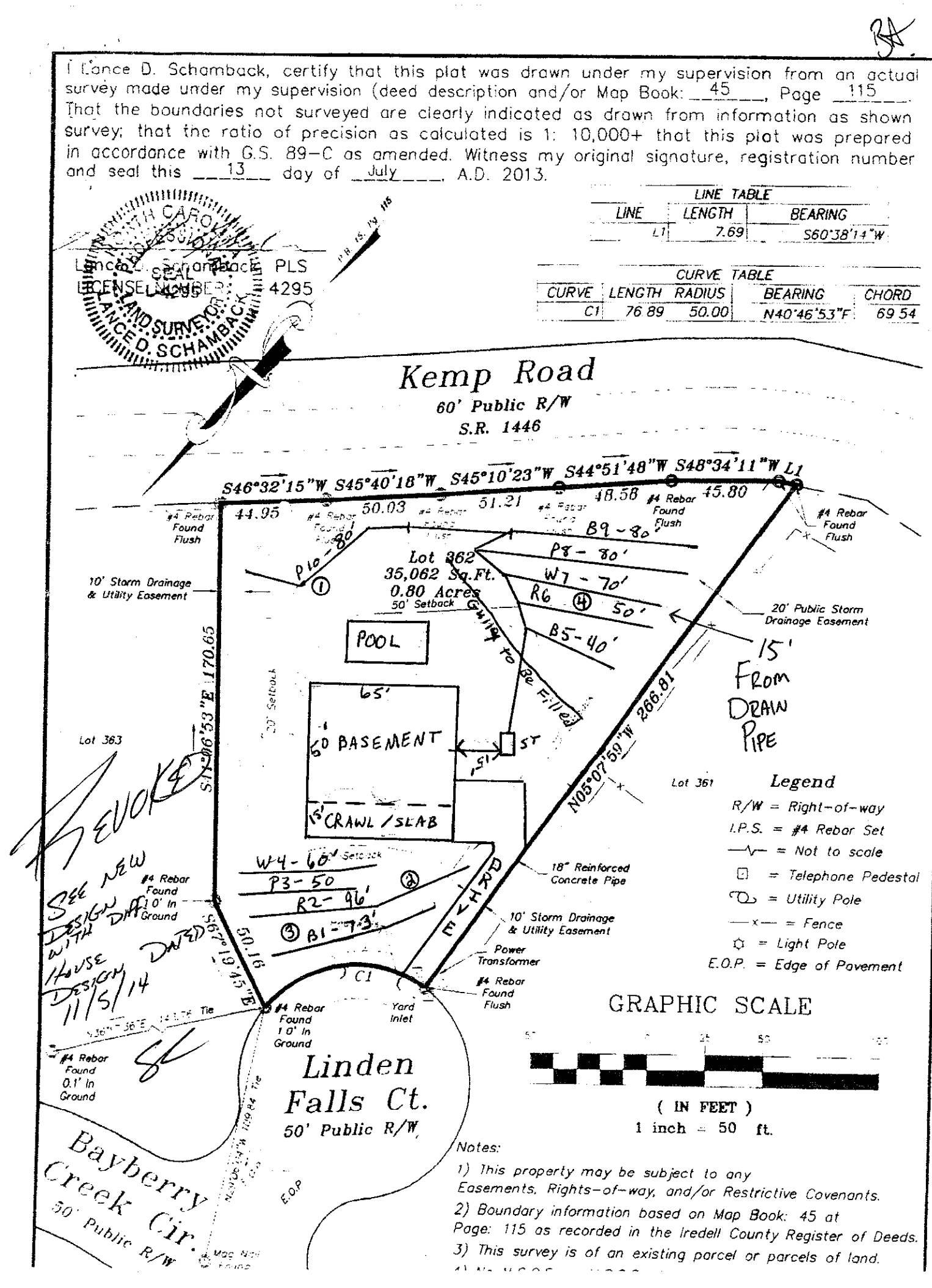
I Lance D. Schamback, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description and/or Map Book: 45, Page 115. That the boundaries not surveyed are clearly indicated as drawn from information as shown survey; that the ratio of precision as calculated is 1: 10,000+ that this plat was prepared in accordance with G.S. 89-C as amended. Witness my original signature, registration number and seal this 13 day of July, A.D. 2013.

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR LANCE D. SCHAMBACK SEAL 4295

Lance D. Schamback PLS
LICENSE NUMBER: 4295

LINE TABLE		
LINE	LENGTH	BEARING
L1	7.69	S60°38'14"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	76.89	50.00	N40°46'53"E	69.54



REVOKED
See New Design With Diff House Design Dated 11/5/14

Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.

2) Boundary information based on Map Book: 45 at Page: 115 as recorded in the Iredell County Register of Deeds.

3) This survey is of an existing parcel or parcels of land.

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

Sheet 1 of 1
PROPERTY ID #: 9626 26 3147
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: MARK RUMGARNER
ADDRESS: 105 Cinder Falls Ct
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD____
LOCATION OF SITE: _Farms, lot 362_____

APPLICATION DATE 1/14
DATE EVALUATED: 1/14
PROPERTY SIZE: .5 AC
PROPERTY RECORDED: Y

WATER SUPPLY: Private Ξ 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)		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 12%	0-20	R C SBK	FR SS SP	NA	48"	F-C SAP	48+	PS 0.3-0.35
		20-48	R CL WSBK	FR SS SP					
2	LS 5%	0-30	R C SBK	FR SS SP	NA	48"	NA	48+	PS 0.3
		30-48	R CL WSCK	FR SS SP					
3	LS 5%	0-26	R C SBK	FR SS SP	NA	48"	NA	48+	PS 0.3
		26-48	R CL WSBK	FR SS SP					
4	LS 5%	0-3	Br SCL WSBK	FR SS SP	NA	48"	NA	48+	PS 0.3
		3-48	R C SBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	540 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

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

COMMENTS: _____