Lot 9 Tuskarora Point Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.3
Primary System Type	**LP PPBPS**
No. Lines	3 (See Table)
Total Linear Feet	270
Trench Width	2'
Trench Spacing	8'
Trench Depth	36"
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	5' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	30 gpm
Elevation head	Approx. 6.0"
Pressure head	3.0'
Friction head	1.0'
20% Contingency	2.0'
Total Head	12.0'
Pump Requirements	30 gpm @ 12.0' of head To be designed by installer.
Maximum Dosing Volume	216 gal -2.2 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	Yes
Siphon Break hole	no
Repair System	**LP PPBPS**
Total Linear Feet	295
Repair LTAR	0.3

***Before placement of cap block, one panel on each line near the center of the field should be**

observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

C8	28°29'00"	84.51'			
C29	24°08'44"	102.79'	243.91'	S84°48'12"E	102.03'

LINE TABLE

NUM	DISTANCE	BEARING
L2	16.79'	S77°38'42"W
L12	18.21'	N83°07'26"E

NORTH CAROLINA PROFESSIONAL SEAL L-4718 LAND SURVEYOR THOMAS E. WIL...

SUNSTEDE DRIVE
60 PUBLIC R/W

EX #4 REBAR L12 C29 EX #4 REBAR

EX #4 REBAR AT 284.17'

SEPTIC EASEMENT
D.B. 2058-1039
0.174 ACRE-7,575 S.F.

73.39'

47.59'

FENCE

122.89'
S81°04'56"W

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FENCE

285.42' TOTAL

277.57' TOTAL

N11°29'04"E

S15°43'21"W

10

9

8

0.702 ACRE

15' SETBACK

15' SETBACK

25'

16.9'

27.0'

FOUNDATION COMPLETE

35.0'

18.2'

35' SETBACK

C8

EX #4 REBAR L2 EX #4 REBAR

TUSKARORA POINT LANE

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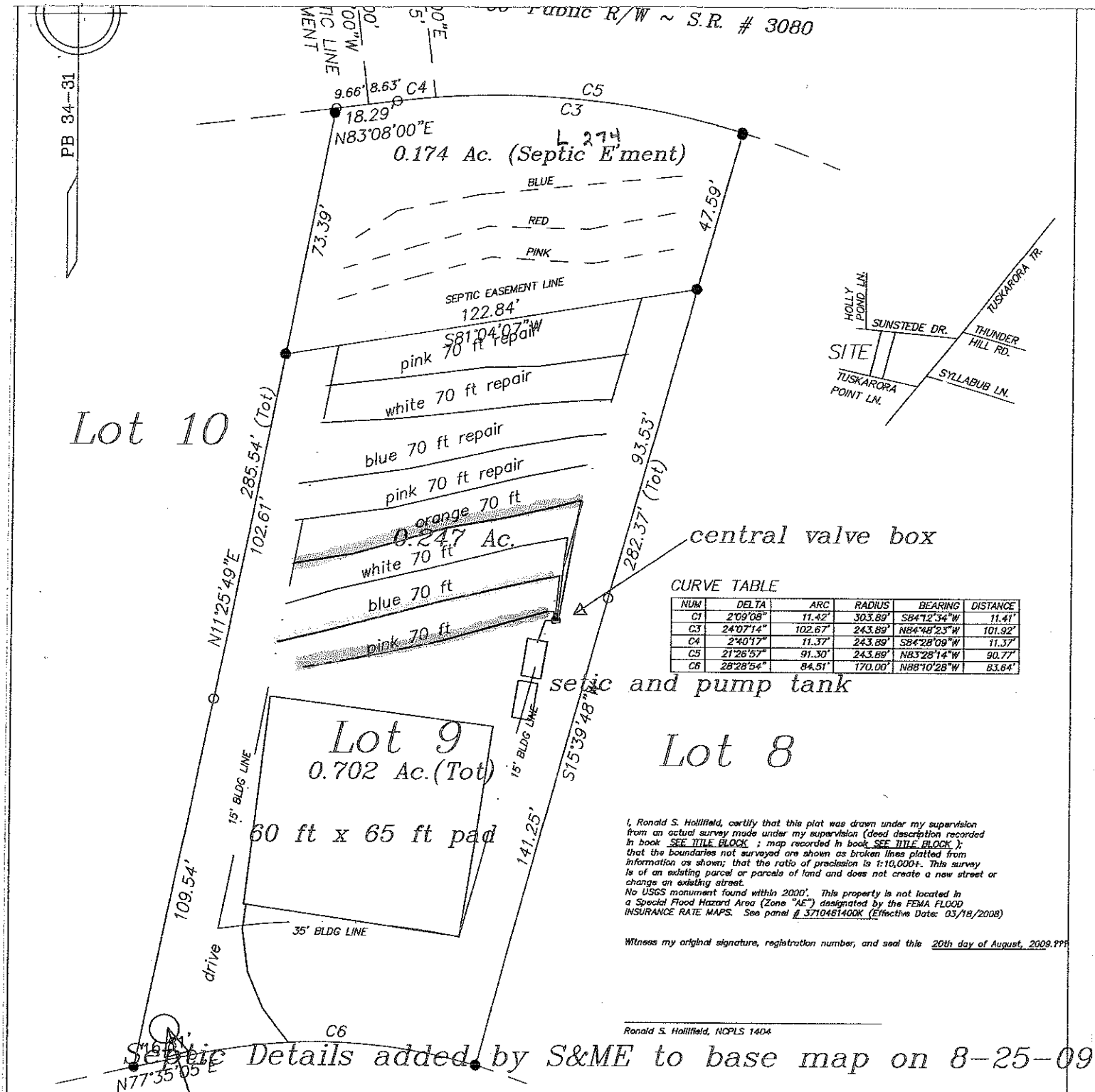
Table 1: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	Red	LPPPBPS	80 endfed		18	18	1 per panel	5/32"
2	System	Blue	LPPPBPS	95 endfed		21	21	1 per panel	5/32"
3	System	Pink	LPPPBPS	95 endfed	pumping	21	21	1 per panel	5/32"
4	Repair	Blue	LPPPBPS	98	down				
5	Repair	Orange	LPPPBPS	100	hill				
6	Repair	Pink	LPPPBPS	97					
						Total: 60	Total: 60 (1 in each panel turned up)		
				Total System: 270'					
				Total Repair: 295'					

Tank	Red	1000 gal (2 compartment)	
Pump Tank	Red	1000 gal.	
House	Blue		

Note: **All Rod Readings should be verified by installer prior to installation of system**
Location of tanks and/or distribution devices can be moved at the ICHD's discretion

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CURVE TABLE

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	2°09'08"	11.42'	303.89'	S84°12'34"W	11.41'
C3	24°07'14"	102.67'	243.89'	N84°48'23"W	101.92'
C4	2°40'17"	11.37'	243.89'	S84°28'09"W	11.37'
C5	21°26'57"	91.30'	243.89'	N83°28'14"W	90.77'
C6	28°28'54"	84.51'	170.00'	N88°10'28"W	83.64'

I, Ronald S. Hollifield, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in book SEE TITLE BLOCK ; map recorded in book SEE TITLE BLOCK); that the boundaries not surveyed are shown as broken lines platted from information as shown; that the ratio of precission is 1:10,000+. This survey is of an existing parcel or parcels of land and does not create a new street or change an existing street.
No USGS monument found within 2000'. This property is not located in a Special Flood Hazard Area (Zone "AE") designated by the FEMA FLOOD INSURANCE RATE MAPS. See panel # 3710461400K (Effective Date: 03/18/2008)

Witness my original signature, registration number, and seal this 20th day of August, 2009.???

Ronald S. Hollifield, NCPLS 1404

Septic Details added by S&ME to base map on 8-25-09

TUSKARORA PNT. LANE

EX 40' PUBLIC R/W

possible well site

Proposed Site Plan and Off-Site Septic Easement

136 Tuskarora Point Ln.
Lot 9 of TUSKARORA POINT

Davidson Township Iredell County, NC
Tax PIN 4614-84-0614 ~ D. B. 1872-2500 ~ P. B. 45-109

30 0 30 60
SCALE: 1" = 30'

Prepared for Michael M. Kiser

NOTE: IRON STAKES AND MONUMENTS AS SHOWN (●), ALL OTHERS CALCULATED POINTS (○).

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