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LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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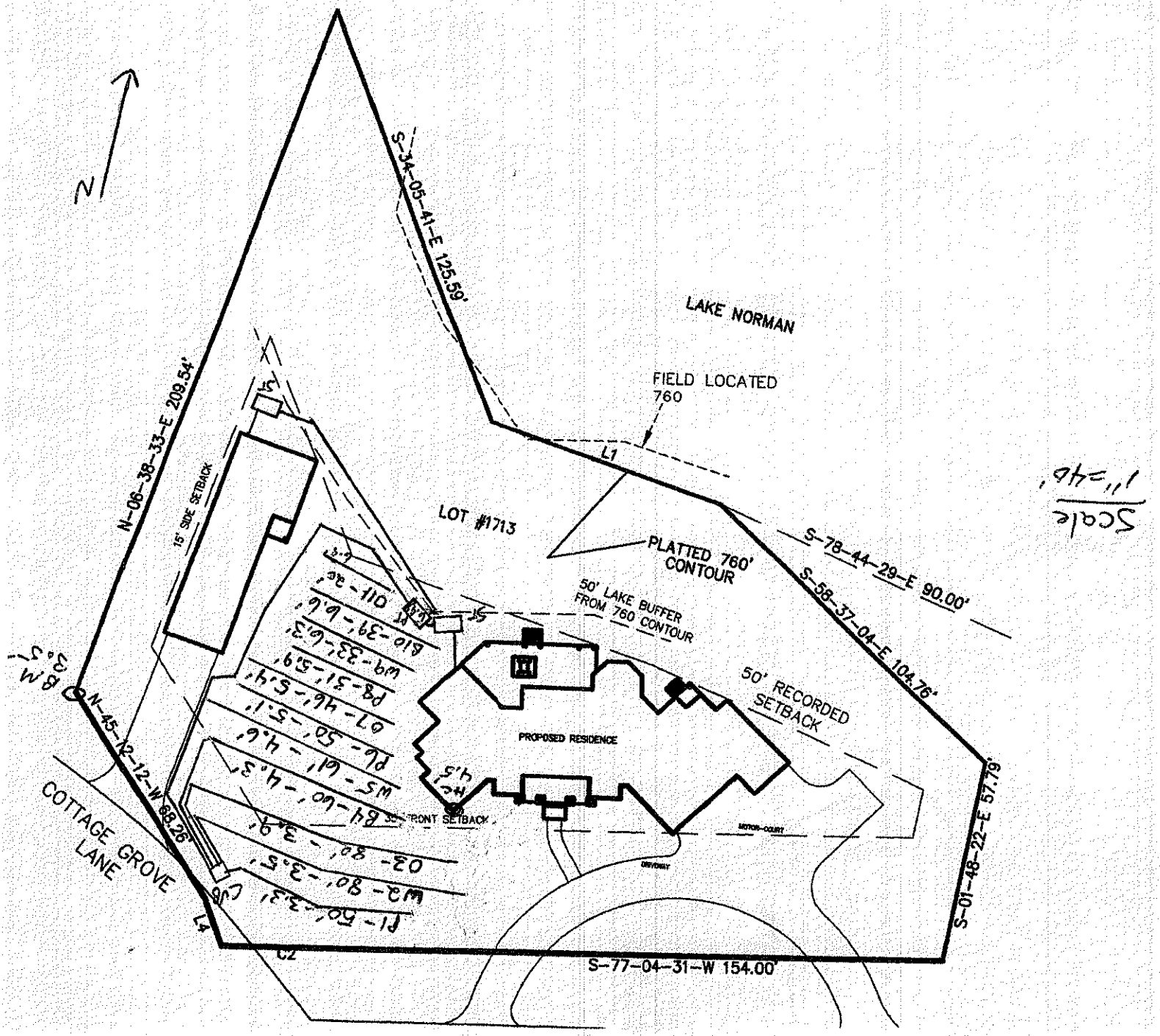
Reference: Data Sheet for 104 Tuskaroara Tr., CL&T, Lot 1713
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 36 GPM
Dosing Volume: 219.6 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 8.6'
Friction Head: 3.7'
Pressure Head: 2'
Total Dynamic Head: 14.3'
Supply Line Length: 150'
Septic/Pump Tank Size: 1000/1000 gallons, 1000 gallon ST by RV garage
Proposed Trench Bottom: 36"
Proposed Trench Width: 24" (8' on center)

Line	Design Length	Panels	Actual Length	Elevation
Pink 1	**50'**	**11**	**52'**	**3.3'**
White 2	**80'**	**18**	**97'**	**3.5'**
Orange 3	**80'**	**18**	**100'**	**3.9'**
Blue 4	**60'**	**14**	**74'**	**4.3'**
White 5			61'	4.6'
Pink 6			50'	5.1'
Orange 7			46'	5.4'
Pink 8			31'	5.9'
White 9			33'	6.3'

Line	Design Length	Panels	Actual Length	Elevation
Blue 10			39'	6.6'
Orange 11			20'	6.9'

Initial System: 270' **Repair System:** 280'
Pump Tank: 6.9' **House Corner:** 4.5' **Benchmark:** 3.5'

Comments:
The septic lines are laid out on 8' centers. Michael Athanas & Associates recommends no grading be performed within 15' of the proposed septic area. If any grading is required, it should be less than 2ft grade change. The RV garage will have plumbing. Another septic tank will be required at the RV garage.


N
S-34-05-41-E 125.59'
LAKE NORMAN
FIELD LOCATED
760
L1
N-06-38-33-E 209.54'
15' SIDE SETBACK
LOT #1713
PLATTED 760'
CONTOUR
S-78-44-29-E 90.00'
S-58-37-04-E 104.76'
50' LAKE BUFFER
FROM 760 CONTOUR
50' RECORDED
SETBACK
PROPOSED RESIDENCE
S-01-48-22-E 57.79'
N-45-12-12-W 88.26'
COTTAGE GROVE
LANE
L4
C2
S-77-04-31-W 154.00'
Scale
1"=40'