Bonanza Development Co./ Scott Needham –Villages as Isle of Pines lot 25
Fast Track with Iredell County Health Department

S&ME has described soils and flagged a 3-bedroom septic system on lot 25. Mr. Scott Needham and his assistant were present during our evaluation and assisted with flagging the system and house. Please review the attached information and schedule a site meeting with us ASAP. My mobile number is 704-996-6330.

We are proposing a 3-bedroom, 25% reduction system using 3 lines at 120ft. The primary system will use gravity distribution via a D-box. The repair with be a LP Panel. 325 ft. of repair are shown on the site plan, but only 240 ft. are required. The LTAR is 0.25 gpd/ft^2 for the system and repair.

Elevations (rod readings):

upper line (yellow)-	5'3"
lower line (yellow)-	10'5"
septic tank-	3'9"
reference pt. (grd. at power pole)-	3'2"
height instrument-	47"

The yellow 120' primary line follows the old field terrace and varies in elevation. The terrace should be removed prior to system installation to allow positive drainage across the septic area. After the terrace is removed, the grade should be consistent on the yellow line.

If you would rather use drop boxes for distribution feel free to make this change on your ATC. Please call with any comments or questions.

Thanks for your timely consideration of this proposal,

Paul G. Penninger

