STATE OF NORTH CAROLINA

JAMES B. HUNT, JR.
GOVERNOR

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JACOB KOOMEN, M.D., M.P.H.
DIRECTOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091 Raleigh 27602

July 11, 1978

Mr. Rollin W. Johnson
Sanitarian Supervisor
Iredell County Health Department
Post Office Box 1268
Statesville, North Carolina 28677

RE: Site Evaluation, Lakeview Shores Subdivision, Lot 15, Block C, Adjacent to Lake Norman, Iredell County, North Carolina

Dear Mr. Johnson:

At your request, on June 16, 1978, I made a site evaluation of the above referenced property to determine the site suitability for the installation of a conventional septic tank system. Also present at the site were Mr. Rollin Johnson and Mr. Johnny F. Houston of the Iredell County Health Department. The above referenced lot is approximately one-half acre, being 100 feet across the front and back which adjoins Lake Norman, and approximately 200 feet deep.

Examination of soil taken from soil borings made at the site indicates that the subsoil contains a 2:1 clay mineralogy which indicates that the subsoil has a high shrink-swell potential thus rendering the soil at this site somewhat impermeable. Although the dominant soil type at this site contains this high shrink-swell potential, further investigation indicated an area of provisionally suitable soil approximately 100 feet long and 15 feet wide adjoining the southern property line. Soil along this property line had a moderate, subangular blocky structure with moderate permeability and good internal drainage. The difficulty with utilizing this area is the distance requirement from the property line being 10 feet and the 50-foot setback distance from Lake Norman. However, it is my opinion that this site may be utilized for a ground absorption system provided a system can be installed in the limited available space.

If I may be of further service, please advise.

Sincerely,

Steve J. Steinbeck

Steve J. Steinbeck
Soil Specialist

cc: Mr. D. R. Baxley