



MECKLENBURG COUNTY
Land Use and Environmental Services Agency

January 4, 2008

Mr. Solomon Fortune
Charlotte-Mecklenburg Planning Commission
600 East Fourth Street
Charlotte, North Carolina 28202

Re: Rezoning Petition 2008-002 (revised)
Approximately 6.62 acres located on the northeast corner of North
Community House Road and Ballantyne Commons Parkway

Dear Mr. Fortune:

Representatives of the Air Quality (MCAQ), Groundwater & Wastewater Services (MCGWS), Solid Waste (MCSW), Storm Water Services (MCSWS), and Water Quality (MCWQ) Programs of the Mecklenburg County Land Use and Environmental Services Agency (LUESA) have reviewed the above referenced rezoning petition. In order for the Mecklenburg County LUESA to support this rezoning, the following recommendations should be implemented and appear as notes or modifications on site plans:

Air Quality

No Comment.

Groundwater & Wastewater Services

No Comment.

Solid Waste

Mecklenburg County Solid Waste requests the petitioner submit a Solid Waste Management Plan prior to initiating demolition and/or construction activities to include, at a minimum, the procedures that will be used to recycle all clean wood, metal, and concrete generated during demolition and construction activities. Additionally, the plan should specify that all land clearing and/or inert debris shall be taken to a properly permitted facility. The Plan shall also state that monthly reporting of all tonnage disposed and recycled will be made to the Mecklenburg County Solid Waste Program. The report shall include the identification and location of all facilities receiving disposed or recycled materials.

Mecklenburg County is committed to reduction of construction/demolition waste. Technical assistance is available at no charge to those companies willing to partner with the County in this effort.

Storm Water

No Comment.

Water Quality (revised)

In order for the Mecklenburg County Water Quality Program to support this rezoning, the following recommendations should be implemented and appear as notes on site plans.

According to the City of Charlotte Zoning Ordinance, Chapter 12, Part 8- Surface Water Improvement and Management (S.W.I.M.) Stream Buffers, Section 12.804.3(a), *Buffer Standards, Diffuse flow requirement, Concentrate runoff from ditches or other manmade conveyances shall be converted to diffuse flow before the runoff enters the buffer.*

Applicable Ordinances:

35 foot S.W.I.M. Buffer

Two stream segments located on the subject property drain more than or equal to 100 acres and less than 300 acres. According to the City of Charlotte Zoning Ordinance, Chapter 12, Part 8- Surface Water Improvement and Management (S.W.I.M.) Stream Buffers, Section 12.804, *Buffer Standards*, streams meeting this criterion are required to have buffers of 35 feet in width on the applicable sides of the stream.

The proposed project will include a substantial amount of impervious area, which will directly affect surface water quality due to storm water runoff from the project. Storm water runoff becomes contaminated with pollutants associated with the impervious area usage, transporting these pollutants to surface waters. In addition, this impervious area acts to increase the volume and velocity of storm water entering surface waters, which affects stream channel stability and negatively impacts water quality and aquatic habitat. In order to mitigate the impacts of these pollutants and to protect water quality conditions, the proposed project should incorporate the criteria specified below.

General Recommendations:

Storm Water Quality Treatment

Any separate, defined drainage area within a project that will have greater than 24% built-upon area is to have water quality best management practices (BMPs) to treat storm water runoff from the entire built-upon area within the separate, defined drainage area. The BMPs are to be constructed to achieve 85% Total Suspended Solid (TSS) removal for the entire post-development runoff volume for the first 1-inch of rainfall. The BMPs must be designed and constructed in accordance with the N.C. Department of Environment and Natural Resources (NCDENR) Best Management Practices Manual, April 1999, Section 4.0.

The use of Low Impact Design (LID) such as bioretention systems in tree islands, grassed swales, vegetated buffers, level spreaders, and other innovative systems in a “treatment train” is optional and encouraged, where applicable. LID systems can be employed in

whole or in part, to meet the 85% TSS treatment standard for storm water runoff. LID must be designed and constructed per the NCDENR Best Management Practices Manual, April 1999, Section 4.0.

Storm Water Volume and Peak Controls

Any separate, defined drainage area within a project that will have greater than 24% built-upon area is to have best management practices (BMPs) to control the entire runoff volume for the 1-year, 24-hour. The runoff volume drawdown time for the BMPs shall be a minimum of 24 hours, but not more than 120 hours. The peak runoff rates should be controlled with BMPs to match the predevelopment runoff rates for the 10-year and 25-year, 6-hr storms or perform a downstream analysis to determine whether peak control is needed, and if so, for what level of storm frequency.

Storm water runoff from the development shall be transported from the site by vegetated conveyances to the maximum extent practicable.

Please contact the staff members who conducted the reviews if you have any questions.

The reviews were conducted by, Leslie Rhodes

(Leslie.Rhodes@mecklenburgcountync.gov) with MCAQ, Jack Stutts

(Jack.Stutts@mecklenburgcountync.gov) with GWS, Joe Hack

(Joe.Hack@mecklenburgcountync.gov) with MCSW, Bill Tingle

(Bill.Tingle@mecklenburgcountync.gov) with MCSWS, and Rusty Rozzelle

(Rusty.Rozzelle@mecklenburgcountync.gov) with the MCWQ.

Respectfully,

Heidi Pruess

Environmental Policy Administrator