

Proposal for
North Carolina Department of Environment and Natural Resources
Division of Water Resources
Water Resources Development Project Grant

**Feasibility Study for Stormwater Best Management Practices and
Low Impact Design Retrofit of School Building and Campus**

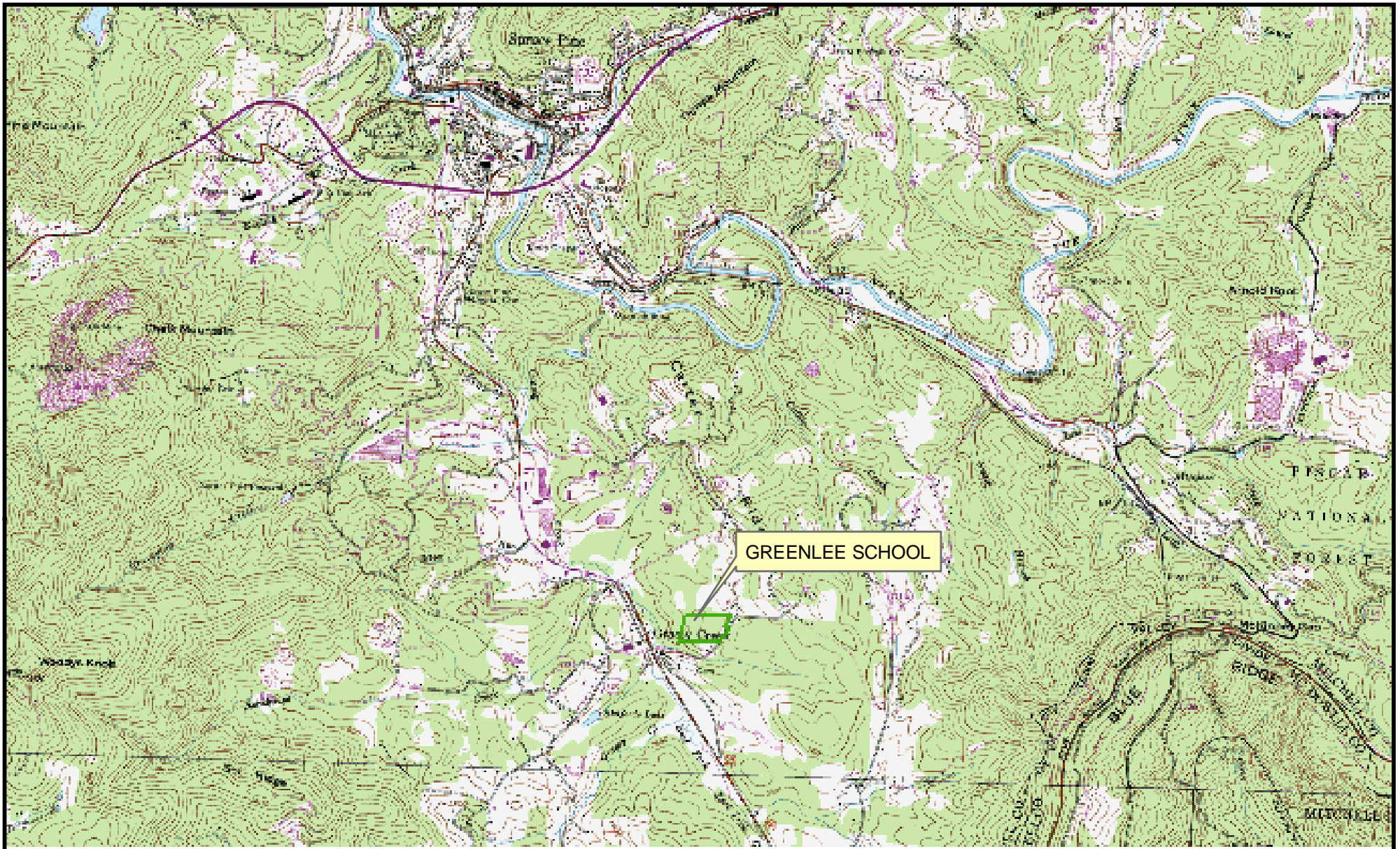
**Greenlee Primary School
Spruce Pine, North Carolina**

June 30, 2008

Submitted by
Mitchell County Soil and Water Conservation District

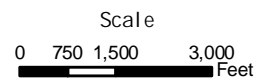
ATTACHMENT 2

FIGURES AND PHOTOGRAPHS



Data Sources:

Topographic Map - US Geological Survey
 Roads - North Carolina DOT 2007
 Hydrology - NCOneMap 2008



VICINITY MAP

GREENLEE SCHOOL
 2206 CARTERS RIDGE ROAD
 SPRUCE PINE, NORTH CAROLINA

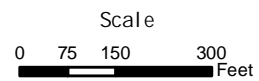
Figure

1



Data Sources:

Aerial - National Agricultural Imagery Program 2006
 Roads - North Carolina DOT 2007
 Hydrology - NCOneMap 2008



LOCATION MAP

GREENLEE SCHOOL
 2206 CARTERS RIDGE ROAD
 SPRUCE PINE, NORTH CAROLINA

Figure

2



Photograph 1 – Erosion and gully from stormwater pond in front of Greenlee School.



Photograph 2 – Erosion from stormwater runoff from Greenlee School.



Photograph 3 – Courtyard at Greenlee School with opportunity for LID BMP retrofit.



Photograph 4 – Open space on southeast side of Greenlee School with opportunity for LID BMP retrofit.



Photograph 5 – West traffic circle in front of Greenlee School with opportunity for bioretention LID retrofit.



Photograph 6 – East traffic circle in front of Greenlee School with opportunity for bioretention LID retrofit.



Photograph 7 – Two-tiered parking lot at Greenlee School with bioretention retrofit opportunity.



Photograph 8 – Student drop-off area in front of Greenlee School with opportunities for bioretention, downspout disconnection and rainwater cistern retrofit.



Photograph 9 – View behind Greenlee School with opportunities for stormwater LID BMP retrofit.



Photograph 10 – View behind Greenlee School with opportunities for stormwater LID BMP retrofit.