

Monitoring Data Record

Project Title: Spring Valley Park COE Action ID: 200221216
Stream Name: Piedmont Creek DWQ Number: _____
City, County and other Location Information: Spring Valley Park in Greensboro, Guilford Co.
Date Construction Completed: _____ Monitoring Year: (1) of 5
Ecoregion: _____ 8 digit HUC unit _____
USGS Quad Name and Coordinates: _____

Rosgen Classification: "C" Type

Length of Project: 1409' Urban or Rural: Urban Watershed Size: _____
Monitoring DATA collected by: M. Green, J. Wait Date: 12/7/04

Applicant Information:

Name: NCDOT Roadside Environmental Unit
Address: 1425 Rock Quarry Rd. Raleigh, NC 27610
Telephone Number: (919)861-3772 Email address: _____

Consultant Information:

Name: Kimley-Horn & Associates
Address: P.O. Box 33068
Telephone Number: (919)677-2000 Email address: _____

Project Status: Complete

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 ~~2~~ ~~3~~
Monitoring Level 1 requires completion of *Section 1, Section 2 and Section 3*

Section 1. PHOTO REFERENCE SITES

(Monitoring at all levels must complete this section)

Attach site map showing the location and angle of all reference photos with a site designation (name, number, letter, etc.) assigned to each reference photo location. Photos should be provided for all structures and cross section locations, should show both banks and include an upstream and downstream view. Photos taken to document physical stability should be taken in winter. Photos taken to document vegetation should be taken in summer (at representative locations). Attach photos and a description of each reference photo or location. We recommend the use of a photo identification board in each photo to identify location.

Total number of reference photo locations at this site: 6 reference points, 2 photos at each

Dates reference photos have been taken at this site: 5/17/04, 12/7/04

Individual from whom additional photos can be obtained (name, address, phone):

Other Information relative to site photo reference: _____

If required to complete Level 3 monitoring only stop here; otherwise, complete section 2.

Section 2. PLANT SURVIVAL

Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):

Streambank vegetation is missing in the areas where erosion issues and structure failures have taken place.

Estimated causes, and proposed/required remedial action: Streambank vegetation will be replaced after repairs have been made to the stream.

ADDITIONAL COMMENTS: By visual inspection bareroot material is doing well in all other areas of the site.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

Stream has some erosion issues and some structures have failed. Repairs to be done in Spring 2005.

Date Inspected	Station Number	Station Number	Station Number	Station Number	Station Number
Structure Type	17+50RT	18+00RT	19+00LT	19+50RT	
Is water piping through or around structure?	N/A	N/A	N/A	N/A	
Head cut or down cut present?	N/A	N/A	N/A	N/A	
Bank or scour erosion present?	Yes	Yes	Yes	Yes	
Other problems noted?	Bank Failure	Bank Failure Behind Right Arm Of Crossvane	Left Arm Of Crossvane Failed	Bank Failure Behind Rootwad	

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from as-built.

Spring Valley Park



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

Spring Valley Park



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12