

Monitoring Data Record

Project Title: U-2524AB (Site 3) COE Action ID: 200321137

Stream Name: UT #3 Reddicks Creek DWQ Number: 030909

City, County and other Location Information: Greensboro Western Loop, Guilford Co.
Sta. 34+00 to Sta. 37+10 -L-

Date Construction Completed: Water was turned into the stream on June 2005 and planted
January 2007. Monitoring Year: (5) of 5

Ecoregion: _____ 8 digit HUC unit 03030002

USGS Quad Name and Coordinates: _____

Rosen Classification: _____

Length of Project: 692' Urban or Rural: Urban Watershed Size: _____

Monitoring DATA collected by: J. Young & P. Allen Date: 9/1/11

Applicant Information:

Name: NCDOT Roadside Environmental Unit

Address: 1425 Rock Quarry Road Raleigh, NC 27610

Telephone Number: (919) 861-3772 Email address: mlgreen@ncdot.gov

Consultant Information:

Name: _____

Address: _____

Telephone Number: _____ 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*

Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required.

Section 1. PHOTO REFERENCE SITES

(Monitoring at all levels must complete this section)

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: 2/16/07, 7/19/07, 1/16/08, 7/15/08,

2/9/09, 7/29/09, 2/17/10, 9/1/10, 1/24/11, 9/1/11

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

Other Information relative to site photo reference: A site map is included with this report showing the photo point locations.

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):

Estimated causes, and proposed/required remedial action: _____

ADDITIONAL COMMENTS: Streambank reforestation included Type I: black willow and silky dogwood and Type II: tulip poplar, sycamore, green ash, and river birch. Other vegetation noted: alder, lespedeza, clover, cattail, sedge, *Juncus* sp., sweetgum, goldenrod, red bud, mimosa, and various grasses. The streambank reforestation was completed in January 2007. The planted vegetation noted onsite is surviving.

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.

The UT #3 Reddicks Creek stream relocation is stable for the Year 5 Summer evaluation, except for, some minor bank scouring noted on the left bank at Photo Point #6 (upstream) which had little or no change since the last evaluation. A site visit was conducted on August 2, 2011 with the regulatory agencies and NCDOT personnel present. NCDOT proposes to discontinue monitoring at this stream relocation.

9/1/11	PP#6 (Upstream) Sta. 36+80	Station Number	Station Number	Station Number	Station Number
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?	Minor bank scouring on left bank				

Section 4. DEBIT LEDGER

The entire UT #3 Reddicks Creek stream relocation site was used for the U-2524AB project to compensate for unavoidable stream impacts.

UT #3 Reddicks Creek

Site 3



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)
Year 5 Summer – September 2011



Photo Point #3 (Downstream)

UT #3 Reddicks Creek

Site 3



Photo Point #4 (Upstream)



Photo Point #4 (Downstream)



Photo Point #5 (Upstream)



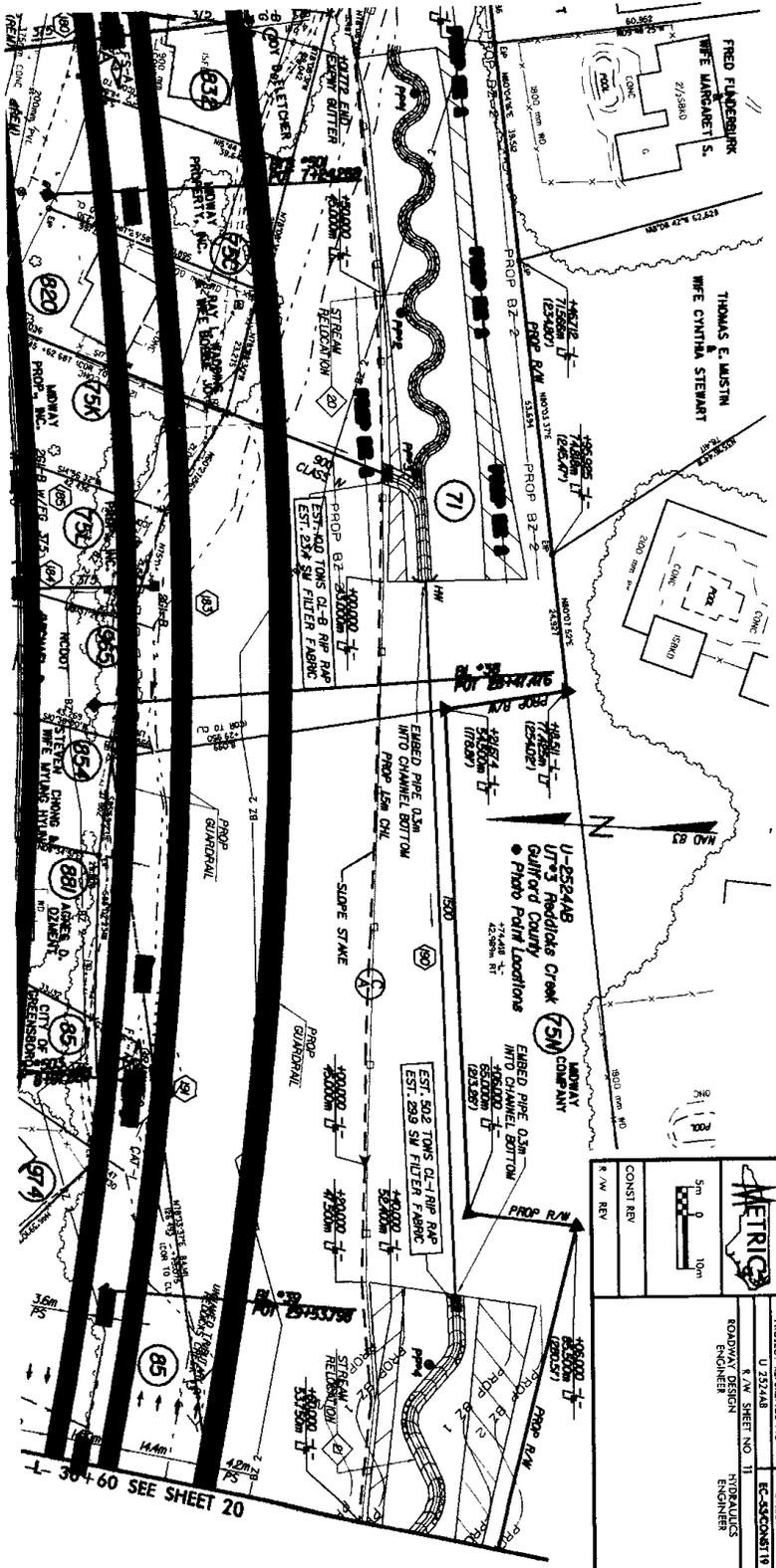
Photo Point #5 (Downstream)



Photo Point #6 (Upstream)
Year 5 Summer – September 2011



Photo Point #6 (Downstream)



		PROJECT REFERENCE NO.	U-2324AB	SHEET NO.	EC-35CONSTR18
		ROADWAY DESIGN ENGINEER	RODNEY W. BROWN	HYDRAULICS ENGINEER	RODNEY W. BROWN
		CONST. REV.	1/24/08		
		PROP. R/W	1/24/08		

30+60 SEE SHEET 20

U-2524AB
 UT#3 Reddicks Creek
 Guilford County
 Photo Point Locations

