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: (3) of 5
Ecoregion: 8 digit HUC unit 03030002
USGS Quad Name and Coordinates:
Rosgen Classification:
Length of Project: 692' Urban or Rural: Urban Watershed Size:
Monitoring DATA collected by: M. Green & J. Young Date: 7/29/09
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

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, and various grasses. The streambank reforestation was completed in January 2007.

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 3 Summer evaluation, except for some minor bank scouring noted on the left bank at Photo Point #6 (upstream). Vegetation is starting to establish on the streambank in this area. A bankfull event has recently occurred onsite since the last monitoring period. NCDOT will continue to monitor this stream relocation.

7/29/09	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				

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)

Photo Point #3 (Downstream)

Year 3 Summer – July 2009

UT #3 Reddicks Creek

Site 3

Photo Point #4 (Upstream)

Photo Point #4 (Downstream)

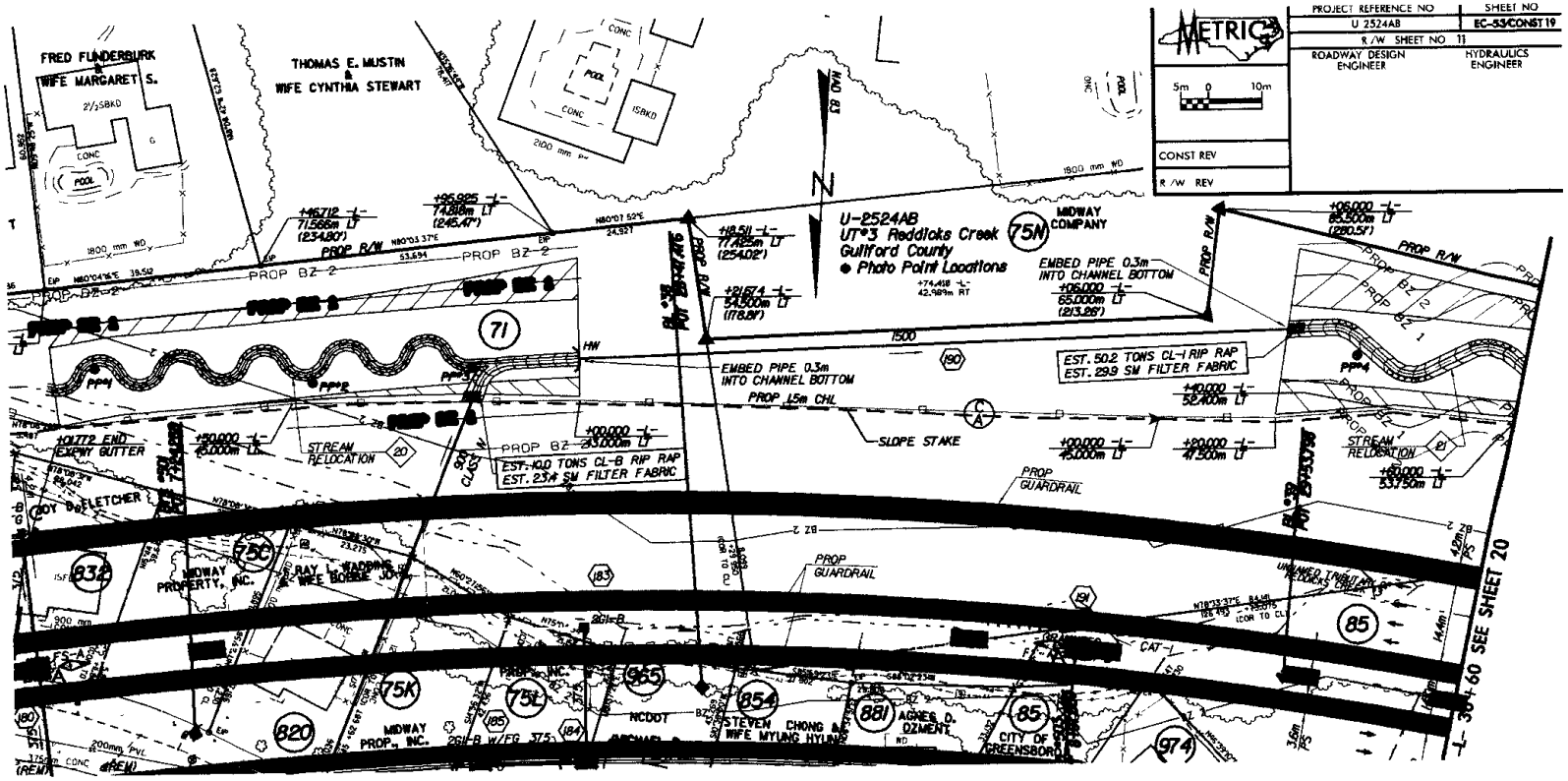
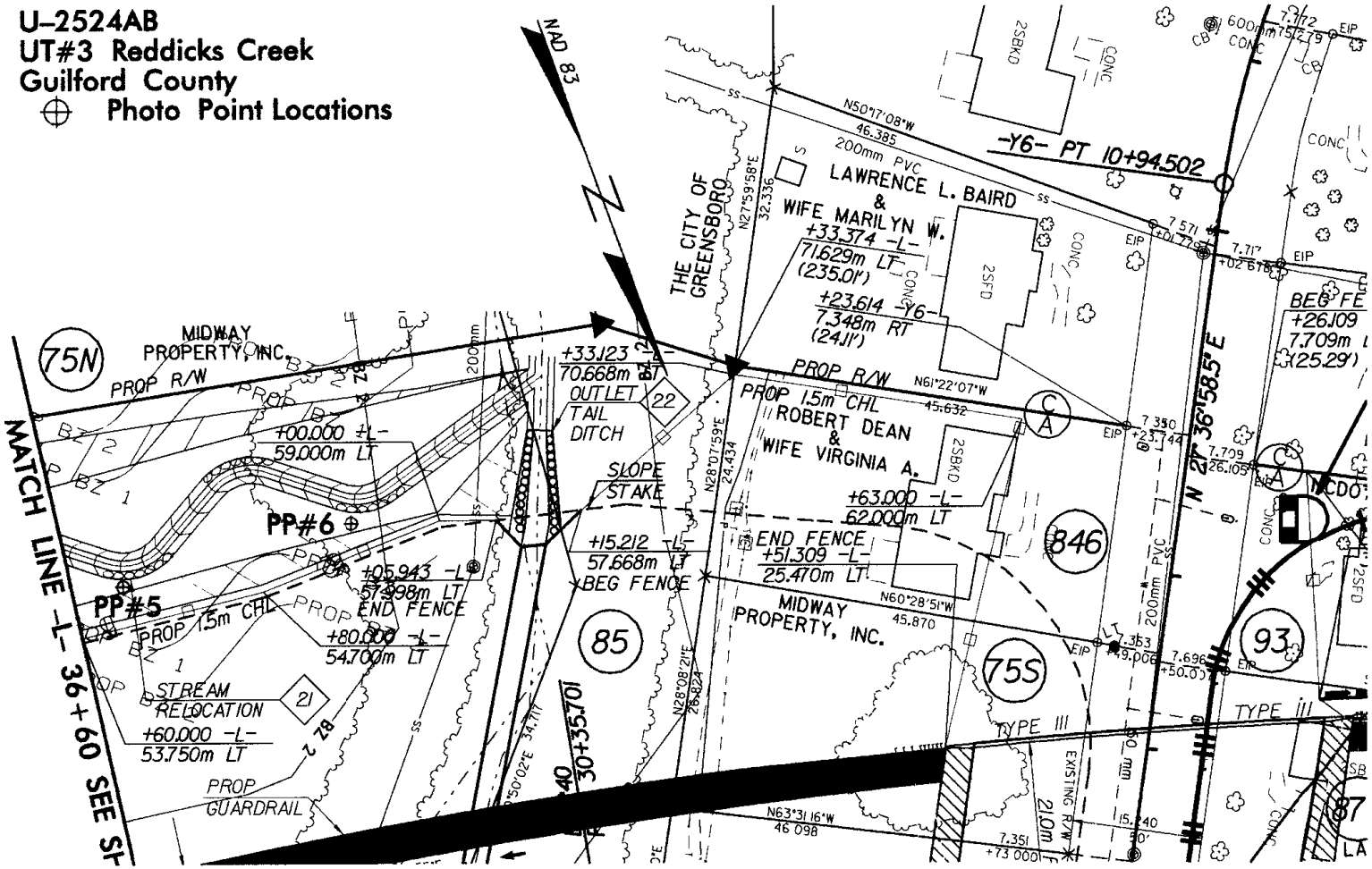
Photo Point #5 (Upstream)

Photo Point #5 (Downstream)

Photo Point #6 (Upstream)

Photo Point #6 (Downstream)

Year 3 Summer – July 2009


METRIC
5m 0 10m
PROJECT REFERENCE NO
U 2524AB
SHEET NO
EC-53/CONST 19
R /W SHEET NO 11
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
CONST REV
R /W REV
U-2524AB
UT#3 Reddicks Creek
Guilford County
● Photo Point Locations
MIDWAY COMPANY
EMBED PIPE 0.3m INTO CHANNEL BOTTOM
EST. 50.2 TONS CL-I RIP RAP
EST. 29.9 SM FILTER FABRIC
EMBED PIPE 0.3m INTO CHANNEL BOTTOM
PROP 15m CHL
SLOPE STAKE
EST. 140 TONS CL-B RIP RAP
EST. 23.4 SM FILTER FABRIC
STREAM RELOCATION
PROP GUARDRAIL
FRED FLINDERBURK WIFE MARGARET S.
THOMAS E. MUSTIN & WIFE CYNTHIA STEWART
MIDWAY PROPERTY, INC.
MIDWAY PROP., INC.
NCDOT
STEVEN CHONG & WIFE MYUNG HYUNG
AGNES D. DZMENT
CITY OF GREENSBORO
SEE SHEET 20

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