Kathy League
Roadway

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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MEMO TO: Roadway Design Project Engineers
Roadway Design Project Design Engineers
Hydraulics Project Engineers
Hydraulics Project Design Engineers
Division DDC Offices

FROM: Jay A. Bennett, PE, State Roadway Design Engineer

D. R. Henderson, PE, State Hydraulics Engineer

DATE: July 26, 2005

SUBJECT: Changes in CADD Design for Hydraulics

In order to eliminate conflicts from occurring in drawings sent to the permitting agencies from each unit, the Hydraulics Unit has requested the following changes to the CADD Design.

Slope Stake Lines at Stream Locations

Roadway Design will remove the slope stakes from the design file at the nearest even station around approach fills. Hydraulics will provide slope stakes in this area based on their computations.

Existing Ground Profile

In order for plans to match the permit drawings, Roadway Design will draw existing ground profiles using the 'Method of Triangles' instead of 'Method of Increment'.

This will create a more accurate representation of the ground line. Any discrepancies in the profile shall be worked out between the Hydraulic Engineer and the Roadway Engineer.

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LOCATION:
CENTURY CENTER COMPLEX
BUILDING A
1000 BIRCH RIDGE DRIVE
RALEIGH NC

Bridge Sketches:

Bridge sketches should be drawn in the plan sheet file (psh) and not in the design file (dsn). This will allow Hydraulics to reduce clutter when plotting permit drawings for the agencies.

These changes are effective immediately. If you have any questions please, contact me or Mr. Jim McMellon at 919-250-4016.

JAB/jm

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