BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 9, 2009

Memo To: Hydraulic Unit Project Managers

From: Bill Elam, PE.
        Hydraulics Engineer

Subject: CADD Pay Item Utility

The CADD pay item utility, Visual Basic Application (VBA), is up and operational. As instructed last December, when drainage items are placed as directed, using the Hydro V8 Toolbar or using Geopak Draingae, and the VBA is run, pay item quantities can be automated. Users must take care to pick the correct grate, drainage structure, pipe type, etc. using Geopak Drainage or the Hydro V8 Toolbar.

Roadway squads are being shown the VBA this week and are giving positive feedback. They see the possible automation of preliminary drainage quantities with the combined use of Geopak Drainage and the VBA. The Roadway squads have responded very positively with the current results of the program, if for nothing more than as a secondary quantity check for their hand calculation. However we are striving for this VBA to replace the hand calculations as the primary means to get drainage quantities, but that will require even tighter procedures throughout the hydraulic design process.

I have instructed Roadway that the Hydraulics Unit and the Hydraulic Unit Consultants will run the VBA on any project completeted after January 2009. If the VBA has not been run, Roadway may call and request that the VBA is run. I have also mentioned to Roadway that they can call and ask you to run the VBA on recently completed projects. The VBA process should not take longer than 15 minutes even on large jobs as long as drainage items have been placed correctly as instructed.

The instructions for running the VBA have been attached with this email.

Thanks for your cooperation.

WHE/whe

Attachments

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
HYDRAULICS UNIT
1590 MAIL SERVICE CENTER
RALEIGH NC 27699-1590

TELEPHONE: 919-250-4100
FAX: 919-250-4108

WEBSITE: WWW.NCDOT.ORG/DOH/

LOCATION:
CENTURY CENTER COMPLEX
BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC