



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

May 2, 2012

MEMO TO: Mr. Charles W. Brown, PE, PLS
State Location & Surveys Engineer

Dewayne L. Sykes

FROM: Dewayne L. Sykes, PE
State Utilities Manager

SUBJECT: Utilities Information Shown on Roadway Plans

Since early 2011 members of our staff have been meeting periodically with Mr. Burton and Mr. McNeill of the Location and Surveys Unit in an effort to refine the method of how existing utilities are shown on roadway construction plans. As a result of these efforts we believe that we have a consensus on how to more accurately depict utilities (both underground and overhead) on the roadway sheets.

We are requesting that the Location & Surveys Unit begin immediately showing survey information on proposed roadway plans using the line styles indicated on Attachment A. This will allow our coordinators and designers to understand the precision of the depicted location of underground utilities as well as to identify the owner of a specific utility item by using a legend that will be placed at an appropriate location on the roadway sheets. The line styles shown on the attachment will be used to identify water lines, gravity sewer lines, force main sewer lines, gas lines, and fiber optics as well as any other underground power or communication lines that might be present within the proposed project limits.

We are also requesting that overhead lines be identified on the roadway plans. The line style is shown on Attachment B as well as a legend which will be used to identify the individual owner(s) of the utilities. The existing overhead line should connect to existing poles and a single line will indicate the primary utility owner by designated color and name. Other non-primary or non-owner utilities will be indicated in the line style.

If you require additional information please call Mr. Ron Wilkins at (919) 707-6979.

RBW/

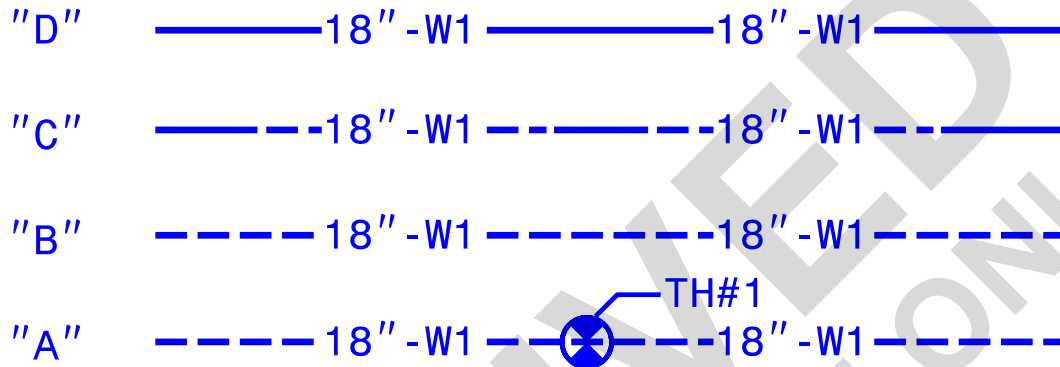
Attachments

cc: Division Engineers
Mr. Jay Bennett, PE
Mr. David Chang, PhD, PE
Mr. Keith Johnston, PE, PLS

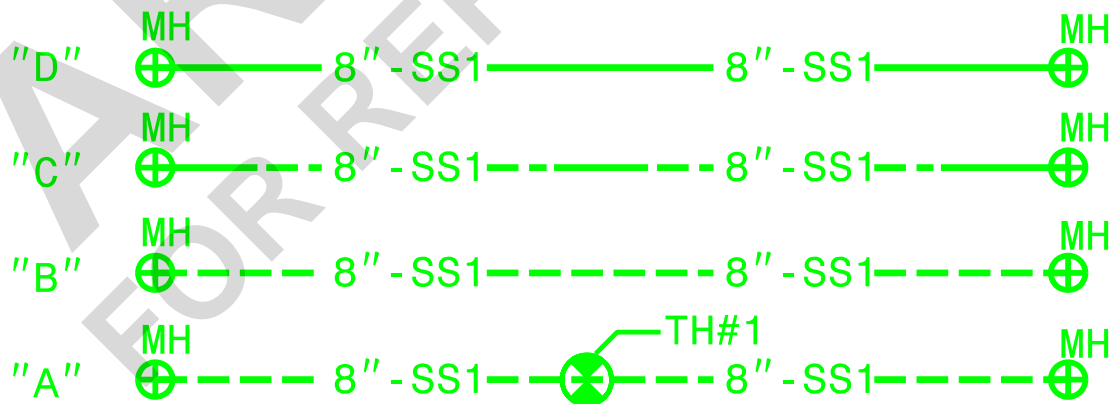
Mr. Roger G. Worthington, Jr., PE
Mr. J. Robert Memory, CPM

Linestyles Attachment "A"

EXIST. WATER



EXIST. GRAVITY SEWER



NOTE: LINE DESIGNATION - SIZE(INCHES), TYPE(WATER, SEWER), OWNER(1, 2, 3)

preferred margins

preferred margins

Linestyles Attachment "B"

EXIST. OVERHEAD UTILITIES



NOTE: LINE DESIGNATION - TYPE(ELECTRIC, TELEPHONE, TV), OWNER(1, 2, 3)

preferred margins

preferred margins