



PAT MCCRORY

*Governor*

DONALD R. VAN DER VAART

*Secretary*

MICHAEL SCOTT

*Director*

July 19, 2016

Mr. Tim Grant  
ATC Associates Inc.  
2725 East Millbrook Road, Suite 121  
Raleigh, NC 27604

Re: Task Order Request – Task Order 812RA-2C  
Mangum Estates  
Wake Forest, Wake County  
ID# NONCD0000812

Dear Mr. Grant:

Please submit a task order proposal to complete the 90% design drawings for the water line extension project at the above referenced site, previously completed under task order 812RA-2 and RA2-1. Conduct these activities in accordance with State Contract No. N13003S.

The water line would tie into the Aqua North Carolina, Inc. water line at the intersection of Mangum Dairy Road and Purnell Road. The water line along Mangum Dairy Road must be 6-inch ductile iron. The water line going into Mangum Estates must be 6-inch standard dimension ration (SDR) 21 to each cul-de-sac and then 4-inch SDR 21 in each cul-de-sac. The line must meet all offset requirements, both horizontal and vertical.

To comply with NC DOT, also consider the following items:

- Begin at the outside edge of the right of way line, keeping the water line as far from the asphalt as practical.
- Maintain a minimum two-foot separation from all other utilities.
- All blow-off valves should be located away from the road and not located in side slopes of ditches or in the ditch lines.

Provide the work plan and cost proposal by July 27, 2016. A task authorization to begin work will be issued based on the approved proposal. Do not proceed with tasks prior to receiving this authorization. If you have any questions or concerns, contact me at (919) 707-8340.

Sincerely,

Matt Aufman, Engineer  
Division of Waste Management – NCDEQ