



LAND USE EVALUATION
 CIVIL ENGINEERING
 CONSTRUCTION MANAGEMENT

Transmittal

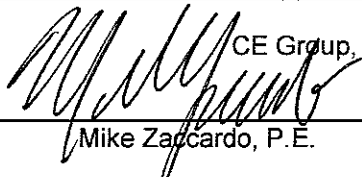
TO: NC DENR, Division of Water Quality
Hand Delivery
512 North Salisbury St., Suite 1304
Raleigh, NC 27604
ATTENTION Permit Review

DATE: 04/04/06
PROJECT NO: 120-08
Re: The Woodlands Subdivision
Pressure Sewer System Permit Submittal

Quantity	Drawing No.	Description
3	Dated 3/30/06	PSSA 10/99 Application
3	Sealed 03/16/06	The Woodlands Subdivision Construction Drawings
3	02600 - 3/27/06	Technical Specifications for Low Pressure Sanitary Sewerage Collection System
3	Sealed 3/30/06	Fema Flood Plain Certification
3	Sealed 3/27/06	Project Summary & Design Calculations
3	Dated 3/23/06	WSCA Form executed
3	Dated 4/4/06	Application Fee, \$400
3		Flow Reduction letter dated 11/29/04 from NCDENR DWQ for Buck Mountain
3	3/24/06	Heater's Public Utilities Commission letter of "Utility Status"
RECEIVED APR 4 2006 PERCS UNIT		

REMARKS Please process for review. Thank you

CC: Mike Myers- Heater Utilities

Signed  CE Group, inc.
 Mike Zaccardo, P.E.

1051 Pemberton Hill Road, Suite 201- Apex, N.C. 27502- voice (919) 367-8790- fax (919) 367-8791



Michael F. Easley, Governor

William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P.E. Director
Division of Water Quality

May 23, 2006

Michael J. Myers
Manager, Engineering and Compliance
Heater Utilities, Inc.
202 MacKenan Court
Cary, NC 27511

Subject: Application No. WQ0030113
Additional Information Request
The Woodlands Subdivision
Chatham County

Dear Mr. Myers:

The Pretreatment, Emergency Response and Collection System Unit has conducted a preliminary review of the subject permit application package. Additional information is required before we may continue our review. Please address the attached items no later than **June 26, 2006**.

Please be aware that you are responsible for meeting all requirements set forth in North Carolina rules and regulations. Any oversights that occurred in the review of the subject application package are still the responsibility of the applicant. In addition, any omissions made in responding to the items below may result in future requests for additional information.

Please reference the subject application number when providing the requested information. Two copies of all revised and/or additional documentation should be signed, sealed, dated, and submitted to my attention at the address below. Please note that failure to provide this additional information on or before the above requested date may result in your application being returned as incomplete.

If you have any questions regarding this request, please do not hesitate to contact me at (919) 733-5083, extension 593 {email: Deborah.Gore@ncmail.net}. Thank you for your cooperation.

Sincerely,

Deborah Gore
Environmental Engineer

Cc: Barry Herzberg, Raleigh Regional Office
Mike Zaccardo, P.E., CE Group, Inc., 11000 Regency Parkway, Suite 410, Cary, NC, 27511
Permit Application File WQ0029829

One
North Carolina
Naturally

1. Inconsistencies were found on several of the plan sheets.

a. On RW-10 the force main is not noted between station 17+00 and 22+00 in the profile view.

b. On RW-12 the force main on Road K is marked as 4", but the plan profile for Road K on RW-15 is 6".

c. RW-15 says 4" invert in and it should be 6".

2. Please include sewer in the blocking detail on UD-2.

3. Please include the detail for the shared laterals.

4. What does A* mean on the pump schedule on sheet UD-4?

5. Please provide the design for pump station #1 as part of the downstream sewer evaluation.

6. Please include the remaining pages of the computer model (those including the node elevations, pipe nodes, etc.).

7. It was noted that negative pressure is produced at several of the junctions, perhaps indicating a change to gravity. Please describe the placement of air release valves in relation to these negative pressure areas and how solids accumulation will be handled.

8. Why are pumps 10 and 11 "off"?

9. Why are there negative discharge rates presented in the pipe report?

Memorandum

To: Deborah Gore, NCDENR / DWQ
From: Mike Zaccardo, P.E., C E Group, Inc.
Date: June 15, 2006
Re: The Woodlands Subdivision, Chatham County.

Application No. WQ0030113

Response to DWQ Comments dated 5/23/06 for Sewer Collection System

My response to comments 1-5 is as follows:

Comment #1A

We have revised drawing RW-10 to show the forcemain between stations 17+00 and 22+00.

Comment #1B & 1C

We have revised sheets RW-12 & RW-15 clarifying that the forcemain to the gravity manhole near PS#1 is a 6".

Comment # 2

The thrust blocking detail has been revised on sheet UD-2 to include sanitary sewer forcemains.

Comment #3

A detail for the shared low pressure sewer system laterals has been added to sheet UD-1.

June 15, 2006

Comment #4

A* does not apply to this project, it was copied over from another job during plan production. It typically is labeled on a steep lot (falling away from the road) with a gravity sewer lateral. It gives the builder an option to put in an individual grinder pump based upon where he places his house. (ie – walk out basement).

Comment #5

The design for pump station #1 is enclosed.

Comments #6 - #9

See enclosed memo from Mark Ashness, PE to Mike Zaccardo, PE dated 6/15/06.

Please let me know if you should need additional information.