



# WINTERVILLE

*A slice of the good life!*

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## MAYOR AND TOWN COUNCIL

DOUG JACKSON, MAYOR

RONALD COOPER, SR.

JOHNNY MOYE

TONY MOORE

VERONICA ROBERSON

MARK SMITH

## ADMINISTRATION

TERRI L. PARKER, TOWN MANAGER

BEN WILLIAMS, ASSISTANT TOWN MANAGER

JASMAN J. SMITH, TOWN CLERK

KEEN LASSITER, TOWN ATTORNEY

ALAN LILLEY, PLANNING DIRECTOR

ANTHONY BOWERS, FINANCE DIRECTOR

DAVID MOORE, FIRE CHIEF

EVAN JOHNSTON, PARKS & RECREATION DIRECTOR

TRAVIS WELBORN, PUBLIC WORKS DIRECTOR

RYAN WILLHITE, POLICE CHIEF

MIKE WELDIN, BUILDING INSPECTOR/CODE ENFORCEMENT OFFICER

**May 4, 2015**



**TOWN COUNCIL  
SPECIAL MEETING AGENDA**

**May 4, 2015**

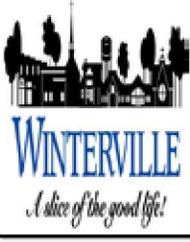
**5:30 P.M.**

**WINTERVILLE TOWN HALL EXECUTIVE CONFERENCE ROOM**

- I. **Call to Order**
- II. **Invocation**
- III. **Welcome**
- IV. **Approval of Agenda**
- V. **Budget Update**
- VI. **Nobel Canal**
- VII. **Adjourn**

**SPECIAL NOTICE:**

**The meeting is open to the public; however, public comments will not be received.**



**Town of Winterville  
Town Council  
Agenda Abstract**

**Item Section:** New Business

**Meeting Date:** May 4, 2015

**Presenter:** Terri L. Parker, Town Manager

**Item to be Considered**

**Subject:** FY 2015-2016 Budget Update

**Action Requested:** N/A.

**Attachments:** Any information will be handed out at the Meeting.

**Prepared By:** Terri L. Parker, Town Manager

**Date:** 5/1/2015

**ABSTRACT ROUTING:**

TC 5/1/2015

FD \_\_\_\_\_

TM tlp – 05/01/2015

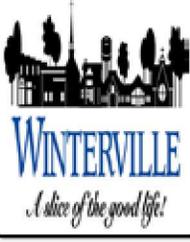
Final tlp – 05/01/2015

**Supporting Documentation**

The Town Manager will be giving an update of the FY 2015-2016 Budget Process to date. Applicable trends related to anticipated revenues and large changes in expenditures will be discussed.

**Budgetary Impact:** TBD.

**Recommendation:** N/A



**Town of Winterville  
Town Council  
Agenda Abstract**

**Item Section:** Old Business

**Meeting Date:** May 4, 2015

**Presenter:** Terri L. Parker, Town Manager

**Item to be Considered**

**Subject:** Nobel Canal Work Session

**Action Requested:** Council Direction

**Attachments:** Cost Estimates provided by the Wooten Company; Copy of July 29, 2014 Email/Memo previously sent to Council

**Prepared By:** Terri L. Parker, Town Manager

**Date:** 5/1/2015

**ABSTRACT ROUTING:**

TC 5/1/2015

FD \_\_\_\_\_

TM tlp - 05/01/2015

Final tlp - 05/01/2015

**Supporting Documentation**

Nobel Canal, specifically the section of the Canal that borders Good Hope Freewill Baptist Church has been the subject of Town discussion for many years.

At the end of 2014, Council directed Staff to have the Wooten Company estimate costs for rehabilitating the Canal and relocating the applicable portion of the Canal.

Both cost estimates have been attached for Council's review.

Staff awaits Council's direction.

**Budgetary Impact:** TBD

**Recommendation:** N/A

**PRELIMINARY ESTIMATE OF PROBABLE PROJECT COST**  
**Nobel Canal Drainage System Improvements**  
**Town of Winterville**  
**Pitt County, North Carolina**

TWC No. 2853-P  
12/4/2014

THE WOOTEN COMPANY

DESCRIPTION	UNITS	TOTAL QUANTITY	UNIT COST <sup>1</sup>	EXTENDED COST	
<i>Preliminary Hybrid Approach</i>					
1	Regrade Existing Ditch Alignment	CY	6,600	\$ 25.00	\$ 165,000.00
2	Fill Existing Ditch (From Regrade Section)	CY	630	\$ 10.00	\$ 6,300.00
3	Vertical Polyurethane Sheathing w/ Bulkhead	LF	200	\$ 170.00	\$ 34,000.00
4	Concrete Headwall	EA	1	\$ 20,000.00	\$ 20,000.00
5	Vehicle Guide Rails (Corrugated Steel w/ Steel Posts)	LF	80	\$ 30.00	\$ 2,400.00
6	Aluminum Hand Railing	LF	200	\$ 50.00	\$ 10,000.00
7	Rip Rap Splash Pad	SY	4	\$ 1,100.00	\$ 4,400.00
8	Geotextile Fabric for Soil Stabilization	SY	4,550	\$ 6.00	\$ 27,300.00
9	Seeding	AC	1.50	\$ 4,600.00	\$ 6,900.00
10	Construction Entrance	EA	3	\$ 1,000.00	\$ 3,000.00
<b>Sub-Total:</b>				<b>\$</b>	<b>279,300.00</b>



Construction Sub-Total	\$	279,300.00
Contingency (10%)	\$	28,000.00
Engineering Design	\$	35,000.00
Construction Administration	\$	7,000.00
Resident Observation	\$	25,000.00
Easement Survey and Mapping	\$	10,000.00
Permitting	\$	5,000.00
Mitigation		-
Land/Easement Acquisition <sup>3</sup>		-
<b>ESTIMATED TOTAL PROJECT COST</b>	<b>\$</b>	<b>389,300.00</b>

**PRELIMINARY: Do Not Use For  
Construction**

**NOTE:**

1. Costs estimated for construction in 2015.
2. Estimated Construction Time is 2 Months
3. Cost of Land/Easement Acquisition not included per Town Request.

**PRELIMINARY ESTIMATE OF PROBABLE PROJECT COST**  
**Nobel Canal Drainage System Improvements**  
**Town of Winterville**  
**Pitt County, North Carolina**

TWC No. 2853-P  
12/4/2014

THE WOOTEN COMPANY

DESCRIPTION	UNITS	TOTAL QUANTITY	UNIT COST <sup>1</sup>	EXTENDED COST	
<i>Preliminary Realignment A</i>					
1	Excavate New Ditch Alignment	CY	4,200	\$ 25.00	\$ 105,000.00
2	Fill Existing Ditch (From Cut Section)	CY	3,780	\$ 10.00	\$ 37,800.00
3	Fill Existing Ditch (Additional)	CY	1,000	\$ 20.00	\$ 20,000.00
4	Concrete Headwall	EA	1	\$ 20,000.00	\$ 20,000.00
5	New 18-inch RCP	LF	230	\$ 55.00	\$ 12,650.00
6	New 36-inch RCP	LF	100	\$ 100.00	\$ 10,000.00
7	Rip Rap Splash Pad	SY	4	\$ 1,100.00	\$ 4,400.00
8	Geotextile Fabric for Soil Stabilization	SY	2,890	\$ 6.00	\$ 17,340.00
9	Remove Vegetation	LF	480	\$ 15.00	\$ 7,200.00
10	Seeding	AC	0.80	\$ 4,500.00	\$ 3,600.00
11	Construction Entrance	EA	3	\$ 1,000.00	\$ 3,000.00
<b>Sub-Total:</b>				<b>\$</b>	<b>240,990.00</b>



Construction Sub-Total	\$	240,990.00
Contingency (10%)	\$	24,100.00
Engineering Design	\$	35,000.00
Construction Administration	\$	7,000.00
Resident Observation	\$	25,000.00
Easement Survey and Mapping	\$	10,000.00
Permitting	\$	5,000.00
Mitigation	\$	158,850.00
Land/Easement Acquisition <sup>3</sup>		-
<b>ESTIMATED TOTAL PROJECT COST</b>	<b>\$</b>	<b>505,940.00</b>

**PRELIMINARY: Do Not Use For Construction**

**NOTE:**

1. Costs estimated for construction in 2015.
2. Estimated Construction Time is 2 Months
3. Cost of Land/Easement Acquisition not included per Town Request.

## Terri Parker

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**From:** Terri Parker  
**Sent:** Tuesday, July 29, 2014 9:59 AM  
**To:** Mayor and Town Council  
**Cc:** Travis Welborn  
**Subject:** On-Site Meeting July 2014  
**Attachments:** On-Site Meeting July 2014.docx

**Importance:** High

<b>Tracking:</b>	<b>Recipient</b>	<b>Read</b>
	Mayor and Town Council	
	Travis Welborn	Read: 7/29/2014 11:27 AM
	Mark Smith	Read: 7/29/2014 10:21 AM
	Veronica Roberson	Read: 7/29/2014 10:32 AM

Good morning:

Attached please find a memorandum from Travis Welborn to me regarding the outcome of the most recent meeting held concerning Nobel Canal. Please review and let us know should you have any questions.

Thank you and have a great day.

Terri

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**Terri L. Parker**  
**Town Manager**  
**Town of Winterville**  
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Winterville, NC 28590  
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Think GREEN before you print

## **Town of Winterville**

**To:** Terri Parker, Town Manager  
**From:** Travis Welborn, Public Works Director  
**CC:** Anthony Scarbraugh, NCDENR – DWR  
Roberto Scheller, NCDENR – DWR  
William Wescott, USACOE  
Maria Dunn, NCWRC  
Jonas Hill, Pitt County Planning  
Will Larsen, The Wooten Company  
Gary Hartong, The Wooten Company  
**Date:** 7/10/2014  
**Re:** On-Site Meeting Regarding Nobel Canal

### **Meeting Information**

An on-site meeting was held on Tuesday, July 8 at 2:00 pm to discuss the Town of Winterville's options for addressing erosion concerns with the Nobel Canal between Mill Street and Chapman Street. Meeting attendees included Travis Welborn (Town of Winterville), Will Larsen (The Wooten Company), Jonas Hill (Pitt County), Maria Dunn (NC Wildlife Resources Commission), William Wescott (USACOE), and Anthony Scarbraugh (NCDENR DWR).

### **Historical Background**

Erosion/settling issues have been present along this stretch of Nobel Canal in recent years prompting several studies funded by the Town including a foundation study by Terracon in October 2009. Most of the meeting attendees were previously aware of the current situation with Nobel Canal and have been involved with this project for some time. Previously, options of piping and/or armoring the length of the Canal have been discussed and received negative feedback from the review agencies with respect to environmental and hydraulic impacts both at the site and downstream. Attendees were made aware of the previous and continued complaints that have been received from the Good Hope Free Will Baptist Church and other adjacent residents regarding building settlement and loss of property through erosion. The attendees walked the stretch of Canal between Mill and Chapman streets to observe its current condition.

## **Alternatives**

To address the current issues along this stretch of Nobel Canal, four (4) alternatives were discussed.

### **1. Do-nothing**

The option of "do-nothing" is available to the Town. This alternative would create the least amount of construction/improvement disturbance and involve no expenditure of Town funds. However, the "do-nothing" alternative will not remedy any erosion or stabilization issues.

### **2. Relocation**

Prior to the meeting preliminary sketches were distributed to all parties depicting two (2) alternatives for relocating the Nobel Canal to a location further south to provide more separation between the existing structures and the Canal's banks. Since this is the alternative recommended by the Town Council, it was the first proposal discussed. The USACOE, NCDENR DWR, and NCWRC representatives were in agreement that this alternative would not likely be a realistic option from a permitting and mitigation standpoint. In order for this option to be acceptable, alternative options with less stream and buffer impacts would have to be first evaluated and deemed infeasible.

The Town would also be responsible for demonstrating the need and purpose of relocating the Canal, and would be responsible for mitigation fees in the amount of approximately \$289 per linear foot of disturbed stream bed as well as a buffer impact mitigation fee of approximately \$1.05 per square foot. At the current NC Ecosystem Enhancement Program (NC EEP) rates, mitigation fees would be approximately \$158,850. (\$43,350 from stream bed disturbance \$115,500 from buffer impacts).

After walking the Canal and investigating its current condition, the USACOE and DWR representatives believed there is a much simpler and less disruptive option than relocating the entire length of the Canal to alleviate the Town's concerns.

### **3. Stabilization**

William Westcott from the USACOE stated that stream bank stabilization in the most critical areas of the Canal could be permitted at this time under one of the USACOE's General or Nation Wide permits, and would not likely require mitigation depending upon the specific scope of the project and design.

A possible solution discussed between the parties includes the installation of vertical retaining walls or sheet piling along the most critical areas on the north side of the Canal to prevent further erosion and/or sloughing of the banks. Retaining walls or bulkheads could be installed between the top of bank and toe of the slope. Vertical walls could be used in conjunction with re-grading the banks on the south side of the Canal to increase

capacity and reduce erosion and sloughing. As long as the re-grading of the Canal bank on the south side increases the buffer area, stabilization could be done for the entire length of the canal, not just in critical areas.

The representatives from the USACOE, NCDENR DWR, and NCWRC all agreed that this option was the most likely to be approved and permitted by their agencies.

4. Restoration

Another option would be for the Town to pursue a stream restoration project in the current alignment of the Canal. Unfortunately due to the space constraints around existing structures along the canal, this alternative would not solve the current and future problems that the church is experiencing. Therefore a stream restoration project is not a viable option.

Summary

It was the conclusion of all parties present that if the Town wished to pursue a project a combination of stream stabilization and re-grading (Option 3) was the preferred alternative in terms of permitting approval and mitigation avoidance.