



HAYWOOD COUNTY
BOARD OF COMMISSIONERS

AGENDA REQUEST

***Must be presented to the County Manager's Office
NO LATER THAN 5 P.M. FRIDAY THE WEEK BEFORE THE MEETING***

DATE OF REQUEST November 10, 2011

FROM: Al Matthews, Town of Canton

MEETING DATE REQUESTED:

*Regular meetings: First (1st) Monday of the month at 9:00 am
Third (3rd) Monday of the month at 5:30 pm*

SUBJECT: Champion Drive Sewer Line Improvements

REQUEST To Request financial assistance for Champion Drive Sewer Lines and Pump Stations improvements to facilitate economic development and serve the new Med West Urgent Care Facility (under construction)

BACKGROUND: As previously discussed by the Haywood County Board of County Commissioners this project will upgrade and replace sewer line and pump stations along Champion Drive creating new jobs (committed), expand future potential future development (new construction and jobs), and serve the new urgent care facility which is under construction. The Counties local share could come from appropriated /unspent Water and Sewer Lines Fund.

IMPLEMENTATION PLAN: Design and engineering has been completed, bids are anticipated by January 1, 2012 pending ARC and County contributions.

FINANCIAL IMPACT STATEMENT: Funding has been committed from Golden Leaf, Rural Center, and the Town of Canton; funding from ARC is pending. Funding from the County could be obtained by utilizing unspent funds from the Barbers Orchard project designated as Water and Sewer Lines Fund.

SUPPORTING ATTACHMENTS: YES NO HOW MANY? 1

LIST:

If yes, one ORIGINAL ATTACHMENT, and 14 copies, copied front and back side of pages, stapled and three-hole punched must accompany the agenda request

PowerPoint Presentation: YES NO

PERSON MAKING PRESENTATION AT MEETING: Al Matthews

TITLE: Town Manager

PHONE NUMBER: 828-734-7148

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THIS SECTION FOR OFFICE USE ONLY

Received (Date/Time): Nov 11, 2011 11:15

County Manager / Clerk to the Board Comments: _____

In an effort to save paper, attachments should be copied on both front and back sides.

STRATEGIC PLAN/FEASIBILITY STUDY

FOR

CHAMPION DRIVE/I-40/BUCKEYE COVE CRITICAL WASTEWATER UPGRADE

BACKGROUND

Within the last several years, the Town of Canton has experienced faster than expected increases in discharges to their wastewater infrastructure along Champion Drive & Buckeye Cove Road on the north side of town. Three wastewater pump stations & the accompanying force mains in this portion of the sewer system have now reached maximum capacity.

The growth in wastewater discharges resulted from several factors. Wastewater pump station #11 & its force main were near maximum capacity when another commercial discharge was recently introduced in 2007. A significant amount of commercial development has occurred along the Champion Drive corridor, primarily new restaurants & expansions of existing restaurants & a large grocery store, which has impacted wastewater pump station #10 & its force main. Following the flooding of their previous facility in September 2004, Plus Laundry, a commercial laundry company, relocated to the Beaverdam Industrial Park & expanded their operation which transferred a significant amount of discharge from another wastewater pump station to pump station #9.

Furthermore, pump station #11 discharges to pump station #10, which discharges to pump station #9, thereby exacerbating the impacts by chain reaction. The Evergreen Packaging Company (formerly Blue Ridge Paper Company) landfill leachate pump station force main then connects directly to the pump station #9 force main, and the leachate pumps overwhelm the wastewater pumps & periodically prevents pump station #9 from functioning during periods of peak discharge.

The portion of the sewer system described above can now barely keep up with current peak discharges. The potential for wastewater overflows to the Pigeon River has significantly increased. The Town of Canton also must regularly deny requests for wastewater service connections, which is thwarting continued growth of the commercial & residential tax base in the north part of town.

PROJECT DESCRIPTION

The Champion Drive/I-40/Buckeye Cove Critical Wastewater Upgrade consists of four (4) interrelated parts: replace pump station #11 & its force main; replace pump station #10 & its force main; install larger pumps at pump station #9 & make minor gravity sewer improvements; & extend the leachate force main from the connection just past pump station #9 to the low lift station of the wastewater treatment plant. The conceptual project cost are presented in Table 1.

Pump Station #11

Pump station #11, located at the south end of Buckeye Cove Road, will be replaced with a new pump station located at a topographic low point approximately 550 feet farther north along Buckeye Cove Road. An 8-inch gravity sewer line will then be extended from the current pump station location to the new pump station. These infrastructure improvements will:

- 1) Allow the adjacent restaurant & hotel to properly discharge to the gravity sewer;
- 2) Allow future gravity sewer service to be extended along the Buckeye Cove Road corridor & to large areas of undeveloped property east & west of Buckeye Cove Road; and
- 3) Will provide full sewer service to the MedWest Urgent Care Facility (presently under construction) and allow for anticipated expansion for the purpose of medically related facilities.

The current pump station will be abandoned. The existing 2-inch force main will also be replaced with a 6-inch force main along an adjacent alignment.

Pump Station #10

Pump station #10, located adjacent to the Arby's restaurant on Champion Drive, will be replaced with a new pump station immediately adjacent to the current location & still within the North Carolina Department of Transportation road right-of-way. The improvements will:

- 1) Allow continued commercial development along the north end of Champion Drive;
- 2) Allow commercial & residential development east & west of Champion Drive;
- 3) Eliminate a significant safety hazard to the Town's employees which working at the pump station; & will
- 4) Accommodate increased discharges from pump station #11.

The current pump station will be abandoned. The existing 3-inch force main will also be replaced with a 6-inch force main along an adjacent alignment.

Pump Station #9

The wastewater pumps at pump station #9 located along Champion Drive near the intersection of Beaverdam Street, will be replaced with larger pumps & associated equipment. The adjacent, deteriorated, upstream manhole will also be replaced along with the short section of gravity sewer connecting to the pump station. The improvements will:

- 1) Accommodate the increased discharge from Plus Laundry;

- 2) Accommodate the new discharge which will be present from the WNC Livestock Market;
- 3) Allow continued commercial development at the Beaverdam Industrial Park;
- 4) Allow extension of sewer service to current & future development along Beaverdam Street & to the large areas of undeveloped property north of Interstate Highway 40 on the northeast side of town;
- 5) Allow extension of sewer service to the un-sewered community along North Canton Road (i.e, the Crossroad Hill neighborhood); & will
- 6) Accommodate increased discharges from pump station #10.

Committed new job creation #s related to the successful completion of this project*

BUSINESS	JOBS TO BE CREATED
MedWest Urgent Care Facility	14
Consolidated Metco, Inc.	30
Bojangles	20
WNC Livestock Market	10-15

*This does not include relocation of jobs or full-time equivalent positions created.

CHAMPION DRIVE SEWER LINE PROJECT
PROPOSED PROJECT BUDGET

REVENUES

State Grant	North Carolina Rural Development Center	\$	600,000.00
State Grant	Golden Leaf Foundation	\$	100,000.00
Federal Grant	ARC	\$	300,000.00
Local Match	Haywood County	\$	40,000.00
Local Match	Town of Canton	\$	160,000.00
	TOTAL REVENUES.....	\$	1,200,000.00

EXPENDITURES

Environmental Studies		\$	36,000.00
Design & Permitting		\$	104,000.00
Construction Administration		\$	69,000.00
Legal/Administrative/Testing		\$	45,000.00
Construction Cost		\$	860,000.00
Contingency (10%)		\$	<u>86,000.00</u>
	TOTAL EXPENDITURES.....	\$	1,200,000.00