

**REQUEST FOR BOARD ACTION
HENDERSON COUNTY
BOARD OF COMMISSIONERS**

MEETING DATE: March 21, 2012

SUBJECT: CANE CREEK WATER & SEWER DISTRICT MINUTES

PRESENTER: Terry Wilson

ATTACHMENTS: YES
1) February 15, 2012 draft minutes

SUMMARY OF REQUEST:

Staff requests approval of minutes from a previous meeting of the Cane Creek Water & Sewer District.

BOARD ACTION REQUESTED:

Staff suggests approval of minutes.

1st SUGGESTED MOTION:

I motion that the Board convene as Cane Creek Water & Sewer District Board.

2nd SUGGESTED MOTION:

I motion that the Board approves the Cane Creek Water & Sewer District minutes of February 15, 2012.

3RD SUGGESTED MOTION

I motion to adjourn as the Cane Creek Water & Sewer District Board and reconvene as the Henderson County Board of Commissioners.

DRAFT

2/21/2012

cc: BJC
Steve
David
Russ.
Christy

MINUTES

STATE OF NORTH CAROLINA
COUNTY OF HENDERSON

CANE CREEK WATER & SEWER DISTRICT
WEDNESDAY, FEBRUARY 15, 2012

The Cane Creek Water & Sewer District Board met for a regular meeting at 9:00 a.m. in the King Street Meeting Room due to emergent circumstances, Hendersonville.

Those present were: Chairman Tommy Thompson, Vice-Chairman Bill O'Connor, Commissioner Michael Edney, Commissioner Larry Young, Commissioner Charlie Messer, County Manager Steve Wyatt, Interim Assistant County Manager David Whitson, County Attorney Russ Burrell and Clerk to the Board Teresa L. Wilson.

Also present were: Public Information Officer Christy DeStefano, Finance Director J. Carey McLelland, Planning Director Anthony Starr, Associate County Attorney Sarah Zambon, Engineer Marcus Jones, Research/Budget Analyst Amy Brantley, Soil and Water Conservation District Director Jonathan Wallin, Code Enforcement Director Toby Linville, Captain Greg Cochran, Senior Planner Autumn Radcliff, IT Director Becky Snyder, Assessor/Tax Collector Stan Duncan, and Environmental Programs Coordinator Megan Piner.

CALL TO ORDER

Chairman Thompson called the meeting to order.

Commissioner Young made the motion for the Board to convene as Cane Creek Water & Sewer District Board. All voted in favor and the motion carried.

MINUTES

Draft minutes were presented for CCWSD Board review and approval of the following meeting(s):

- January 3, 2011
- January 18, 2012

Commissioner O'Connor made the motion to approve the minutes of January 3, 2011 as presented. All voted in favor and the motion carried.

Commissioner Messer made the motion to approve the minutes of January 18, 2012, as presented. All voted in favor and the motion carried.

INITIATE PROJECT AND FUNDING PLAN FLETCHER WAREHOUSE INTERCEPTOR PROJECT (DISTRICT #4)

Marcus Jones stated staff has developed a potential funding partnership with the Cane Creek Water and Sewer District, NCDOT and several property owners that would be served by the Fletcher Warehouse Interceptor Project and recommends initiating the construction of the project immediately to take advantage of the funding opportunities. This project is the fourth priority project on CCWSD's draft Capital Improvement Plan; see the attached map detailing the CIP projects. Further investigation by William Buie, PE from William G. Lapsley & Associates since completion of the CIP has determined that the project can be constructed entirely with gravity sewer without an additional lift station. As the attached letter from Mr. Buie indicates, the project will also eliminate two lift stations: the school's station at Fletcher Elementary and CCWSD's Johnson Farm station. This project has significant positive impacts on the School's and CCWSD's operating budgets by eliminating lift station expenses and

APPROVED: _____

positive impacts on the environment. Lift stations are high risk locations in a sewer system for sanitary sewer overflows.

As shown in the Project layout map provided, the project is broken out into four phases. Phase 1 constructs a gravity main from the District's Rockwell Lift Station to Old Asheville Hwy at Fletcher Crossing (aka Fletcher Warehouse). Phase 2 abandons the Johnston Farm lift station and constructs a gravity main to Phase 1. Phase 3 abandons the Fletcher Elementary lift station and constructs a gravity main to Phase 1. Phase 4 of the project does not have a funding partner at this time and is not under consideration. Mr. Buie's cost estimate for the first three phases is \$1.45 Million. The funding partners described below will pay approximately \$400,000 of project costs upfront; \$150,000 to \$200,000 more would be added up front or assessed when the property is developed.

Brief descriptions of the funding partners are as follows:

North Carolina Department of Transportation (NCDOT): NCDOT has submitted the attached letter proposing to contribute \$358,696 to this project. This contribution is the funding required to upgrade Fletcher Elementary lift station to CCWSD and DENR standards. This upgrade is necessary to receive wastewater from the adjacent apartments which are impacted by NCDOT's Howard Gap Road project. The NCDOT project is removing the apartment's drainage field and eliminating the onsite sewer system. NCDOT is left with the option of either condemning the apartments and relocating the occupants or assisting CCWSD in providing sewer service via our system. They have chosen to assist CCWSD in providing the service. In turn and in the best interest of our customers and the environment, staff recommends using this contribution to construct CCWSD's priority project instead of adding another pump station. NCDOT's project is scheduled to bid this month making for an aggressive project schedule for CCWSD's project. A formal agreement will be developed and brought back to the Board for approval.

Note, NCDOT's project will also require a small amount of right of way in front of Fletcher Elementary. The Board of Commissioners has retained ownership of this property and will need to approve an offer from NCDOT for this property. The offer will be presented at a future meeting but is less than \$5,000 dollars and does not impact the CCWSD's enterprise fund or project funding.

Fletcher Crossing: Mr. Charlie Owen is the owner of Fletcher Crossing (aka Fletcher Warehouse) and other surrounding property's where CCWSD's project will be located. Mr. Owen is looking for an alternative to his facility's onsite wastewater treatment plant and would benefit from this gravity project. It would allow CCWSD to serve his property by gravity instead of the current option requiring a private pump station. Mr. Owen has offered to contribute \$40,000 to the project based on the value of the cost of the private lift station, see attached letter. This is the same methodology used to determine NCDOT's contribution; Mr. Owen will require a much smaller lift station as evident by the smaller contribution. He has also agreed to provide access to his property for the project by approving the necessary utility easements. Also, he is agreeable to transferring his treatment permit if allowable by NCDENR. As with the NCDOT offer, a formal agreement will be developed and brought back to the Board for Approval.

Brickton Village: Negotiations have been on going with the owner of the Brickton Village residential development to provide the sewer capacity for Phase 2 of his development. The development is served by CCWSD's Johnson Farm lift station. This lift station is at capacity after serving the first phase of his development. Negotiations until now have centered on him upgrading the lift station; however now that a gravity option has been identified, it is appropriate for him to contribute the construction cost of his developments share of the gravity project. At the time of submitting this agenda item, contact with the owner regarding this specific project has not been made. Staff recommends the Board require the owner to contribute funding calculated in the same method as NCDOT and Fletcher Crossing. At a future

meeting staff will bring to the Board either an agreement from the owner or a motion to access the property a fair contribution to be made at the time the property is further developed. A fair contribution will be based on his share of the actual construction of Phase 2 of the District's project. A rough estimate of the contribution is between \$150,000 and \$200,000.

Cane Creek Water and Sewer District: The District would provide the remainder of the funding for the Project from its fund balance. As the Board is aware, CCWSD is an enterprise fund; its operating budget and fund balance are funded by sewer revenue and completely separate from the General fund and property taxes. However as with the General fund, a fund balance is generated to provide for emergencies and to take advantage of opportunities. This is a significant opportunity for the District to construct a priority project for almost half the cost.

Should the Board approve this project, staff will quickly return with a recommendation for the Board to select an engineer for the project and with formal agreements from the funding partners for Board approval.

Commissioner Messer made the motion that the Board authorizes the County Engineer to quickly begin the pre-construction phase of the Fletcher Warehouse Interceptor Project to maintain schedule with the NCDOT project to widen Howard Gap Road and develop agreements from the projects funding partners for Board approval at a future meeting. All voted in favor and the motion carried.

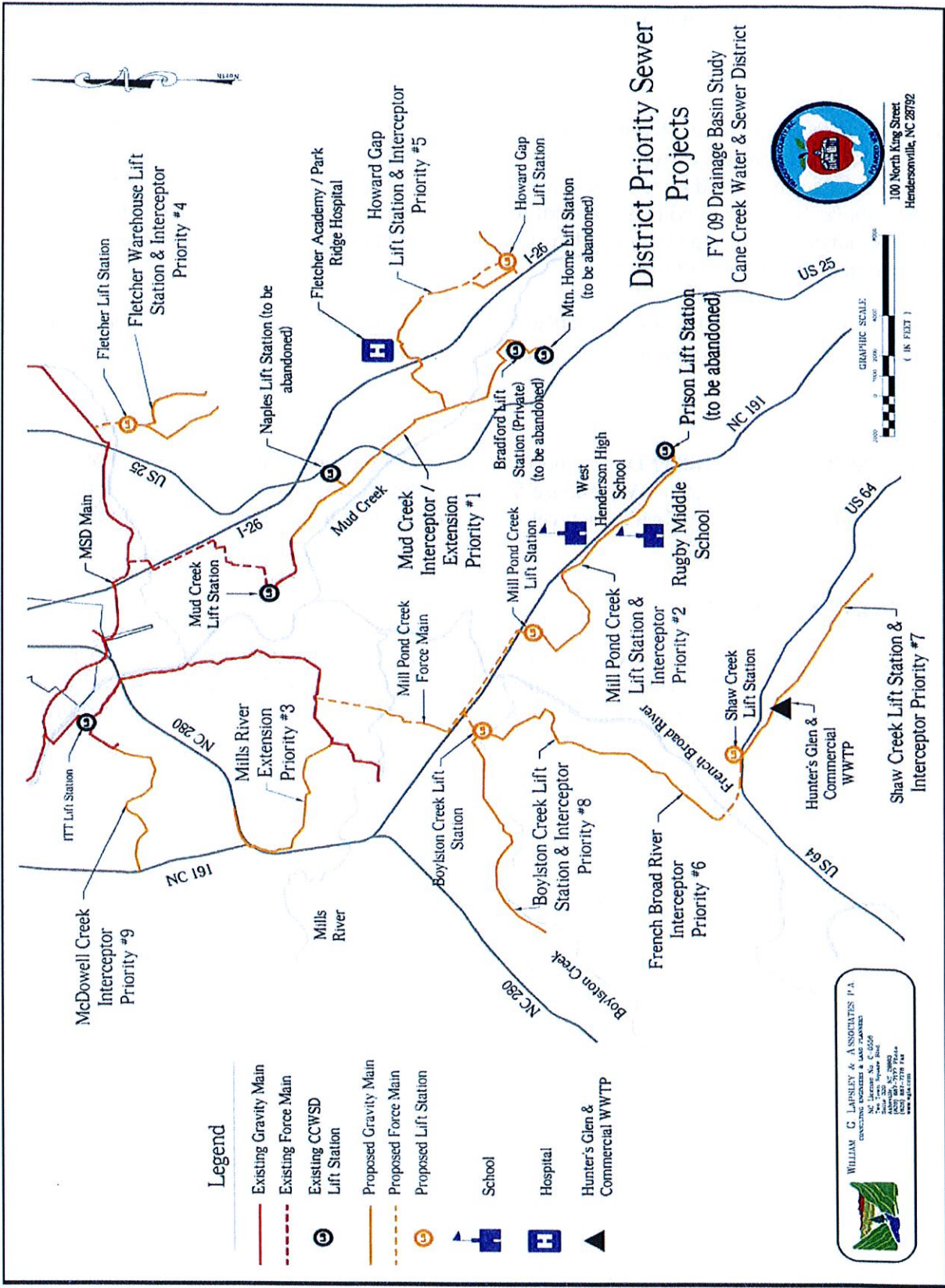
ADJOURN

Chairman Thompson made the motion to adjourn as the Cane Creek Water & Sewer District Board and reconvene as the Henderson County Board of Commissioners. All voted in favor and the motion carried.

Attest:

Teresa L. Wilson, Clerk to the Board

Thomas H. Thompson, Chairman



WILLIAM G. LAPSLEY & ASSOCIATES, P.A.
Consulting Engineers & Land Planners



Two Town Square Blvd, Suite 320
Asheville, NC 28803
(828) 687-7177 - Fax (828) 687-7178
www.wgla.com

MEMORANDUM

TO: Mr. Marcus Jones, P.E.;
Henderson County

FROM: William R. Buie, P.E. *WB*
William G. Lapsley & Associates, P.A.

RE: Fletcher Warehouse Sewer Extension

DATE: January 5, 2010

We have completed a preliminary analysis of the possible gravity sewer extension from the existing Rockwell pump station to the Fletcher Warehouse site. Based on the survey data provided by David Hill, it appears that a 12" gravity sewer line can be installed that will be approximately 4 – 5 feet deep at the intersection of Howard Gap Road and Jackson Road. This gravity sewer line can also be extended to eliminate the existing pump stations at Fletcher Elementary School and the Johnson Farm pump station.

As you will recall, the Cane Creek Sewer Basin Study identified a new pump station to be located on the Fletcher Warehouse site as a backbone project. It was listed as a short-term need in the study. By extending a gravity sewer line from the Rockwell Pump Station, the need for a new sewer pump station at the Fletcher Warehouse site will be eliminated. Further, the existing Johnson Farm pump station and the station serving Fletcher Elementary School could both be eliminated with extension from this line. So in total, this project could eliminate two existing pump stations and one proposed future station.

Included with this memorandum is a schematic drawing showing the proposed routing for the gravity sewer line to serve Fletcher Warehousing (Phase 1) as well as the lines to eliminate the Johnson Farm pump station (Phase 2) and the Fletcher Elementary School pump station (Phase 3). A fourth phase sewer extension is also shown that would provide gravity sewer service to the Fox Glen subdivision and eliminate their pump station. Phase 4 would require approval from the Fox Glen property owners association as well as the acquisition of numerous private easements.

Mr. Marcus Jones, P.E.
January 5, 2010
Page 2

Also included with this memorandum are project cost estimates for Phases 1 – 3 as described above. Following is a summary of the estimated costs:

Fletcher Warehouse extension (Phase 1)	\$797,421.88
Johnson Farm extension (Phase 2)	\$235,609.38
Fletcher School extension (Phase 3)	\$419,328.75
 ESTIMATED PROJECT COST	 \$1,452,360.01

Again, this cost does not include the future Phase 4 project that could eliminate the Fox Glen subdivision pump station.

If you have any questions about this information, don't hesitate to contact our office.

CC: Mr. Doyle Freeman, Cane Creek Sewer District

William G. Lapsley & Associates, P.A.
Consulting Engineers and Land Planners

Preliminary Cost Estimate
Cane Creek Water & Sewer District
Fletcher Warehouse Gravity Sewer Extension
Phase I - Rockwell Lift Station to Fletcher Warehouse

Date: 12/31/09

Project #: 09191

Sanitary Sewer Improvements

Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00
12" Gravity Sewer (to Cranson Site)	7,400	LF	\$45.00	\$333,000.00
Stone Bedding	3,000	TN	\$28.00	\$84,000.00
4' Diameter Manholes	26	EA	\$2,500.00	\$65,000.00
Roadway & Railroad Bore (12" Gravity Line)	250	LF	\$275.00	\$68,750.00
Gravity Creek Crossings	6	EA	\$4,000.00	\$24,000.00
Asphalt Open Cut & Patch	75	SY	\$50.00	\$3,750.00
Incidental Stone	500	TN	\$28.00	\$14,000.00
Erosion Control Measures	1	LS	\$15,000.00	\$15,000.00
Seeding and Mulching	4.25	AC	\$2,500.00	\$10,625.00
			SUBTOTAL	\$633,125.00

TOTAL ESTIMATED CONSTRUCTION COST

\$633,125.00

Contingency (10% budget)

\$63,312.50

Rock Contingency

\$30,000.00

Engineering, Design, Permitting & Bidding Assistance (WGLA)

\$31,656.25

Construction Observation & Administration (WGLA)

\$15,828.13

Surveying, Easement Plat Preparation & As-Builts (Hill & Associates)

\$17,500.00

Stream/Wetland Delineation & Environmental Permitting (Clearwater Environmental)

\$2,500.00

Legal & Administrative (County)

\$3,500.00

TOTAL ESTIMATED PROJECT COST

\$797,421.88

William G. Lapsley & Associates, P.A.
Consulting Engineers and Land Planners

Preliminary Cost Estimate
Cane Creek Water & Sewer District
Fletcher Warehouse Gravity Sewer Extension
Phase 2 - Interceptor to Johnson Farm Pump Station

Date: 12/31/09

Project #: 09191

Sanitary Sewer Improvements

Clearing and Grubbing	0.75	AC	\$9,500.00	\$7,125.00
10" Gravity Sewer (to Johnson Farm Pump Station)	2,400	LF	\$38.00	\$91,200.00
Stone Bedding	925	TN	\$28.00	\$25,900.00
4' Diameter Manholes	11	EA	\$1,900.00	\$20,900.00
Eliminate Johnson Farm Pump Station	1	EA	\$7,500.00	\$7,500.00
Rockwell Drive Bore (10" Main)	60	LF	\$150.00	\$9,000.00
Gravity Creek Crossings	1	EA	\$5,000.00	\$5,000.00
Asphalt Open Cut & Patch	75	SY	\$50.00	\$3,750.00
Erosion Control Measures	1	LS	\$7,500.00	\$7,500.00
Seeding and Mulching	1.50	AC	\$2,500.00	\$3,750.00
			SUBTOTAL	\$181,625.00

TOTAL ESTIMATED CONSTRUCTION COST

\$181,625.00

Contingency (10% budget)				\$18,162.50
Rock Contingency				\$10,000.00
Engineering, Design, Permitting & Bidding Assistance (WGLA)				\$9,081.25
Construction Observation & Administration (WGLA)				\$4,540.63
Surveying, Easement Plat Preparation & As-Builts (Hill & Associates)				\$5,700.00
Stream/Wetland Delineation & Environmental Permitting (Clearwater Environmental)				\$2,000.00
Legal & Administrative (County)				\$4,500.00

TOTAL ESTIMATED PROJECT COST

\$235,609.38

William G. Lapsley & Associates, P.A.
Consulting Engineers and Land Planners

Preliminary Cost Estimate
Cane Creek Water & Sewer District
Fletcher Warehouse Gravity Sewer Extension
Phase 3 - Fletcher Warehouse to School

Date: 01/05/10

Project #: 09191

Sanitary Sewer Improvements

Clearing and Grubbing	1.50	AC	\$9,500.00	\$14,250.00
8" & 10" Gravity Sewer	4,850	LF	\$38.00	\$184,300.00
Stone Bedding	1,900	TN	\$28.00	\$53,200.00
4' Diameter Manholes	18	EA	\$1,900.00	\$34,200.00
Old Asheville Highway Bore (10" Main)	60	LF	\$150.00	\$9,000.00
Gravity Creek Crossings	1	EA	\$5,000.00	\$5,000.00
Asphalt Open Cut & Patch	100	SY	\$50.00	\$5,000.00
Erosion Control Measures	1	LS	\$12,000.00	\$12,000.00
Seeding and Mulching	3.00	AC	\$2,500.00	\$7,500.00
			SUBTOTAL	\$324,450.00

TOTAL ESTIMATED CONSTRUCTION COST				\$324,450.00
Contingency (10% budget)				\$32,445.00
Rock Contingency				\$20,000.00
Engineering, Design, Permitting & Bidding Assistance (WGLA)				\$16,222.50
Construction Observation & Administration (WGLA)				\$8,111.25
Surveying, Easement Plat Preparation & As-Builts (Hill & Associates)				\$11,600.00
Stream/Wetland Delineation & Environmental Permitting (Clearwater Environmental)				\$2,000.00
Legal & Administrative (County)				\$4,500.00
TOTAL ESTIMATED PROJECT COST				\$419,328.75

NUMBER	OWNER	DEED	PIN#	MAILING ADDRESS	CITY	STATE	ZIP
1	ROCKWELL HEAVY VEHICLE SYS. INC	911574	9652-23-8106	2135 W MAPLE RD	TROY	NC	48084
2	TOWN OF FLETCHER	1058702	9652-45-2828	4005 HENDERSONVILLE RD	FLETCHER	NC	28732
3	SIROCCO PROPERTIES, LLC	1129439	9652-55-3637	31 BUSBEE RD	ASHVILLE	NC	28803
4	FLETCHER WAREHOUSING CO. LTD	1129439	9652-55-3637	P.O. BOX 188	FLETCHER	NC	28732
5	ROCKWELL HEAVY VEHICLE SYS. INC	911574	9652-23-8196	2135 W MAPLE RD	TROY	NC	48084
6	GEORGE SHIPMAN	764205	9652-34-9413	69 SUNNYVIEW TER.	ASHVILLE	NC	28806
7	CU DI MAR LLC	1011108	9652-33-7960	P.O. BOX 954	FLETCHER	NC	28732
8	BILLY McMINN	1123385	9652-74-2386	85 BILLY ACRES DR.	FLETCHER	NC	28732
9	ARNOLD BLYTHE	761784	9652-73-5698	99 CUSHION CREEK RD	FLETCHER	NC	28732
10	FRANCIS VALENTA	SLD2485	9652-73-6359	P.O. BOX 1076	FLETCHER	NC	28732
11	PORTER AMMONS	411142	9652-73-4352	P.O. BOX 1483	FLETCHER	NC	28732
12	ELIZABETH ALLEN	597945	9652-72-7894	P.O. BOX 1	FLETCHER	NC	28732
13	JESSE OWENS	589835	9652-82-0748	P.O. BOX 1243	DALLAS	NC	28034
14	COUNTY OF HENDERSON	1015359	9652-82-0186	100 N. KING STREET	HENDERSONVILLE	NC	28792
15	TDM CORPORATION	1243228	9652-75-9661	P.O. BOX 277	FLETCHER	NC	28732
16	GREATER NEW ZION BAPTIST CHURCH	993694	9652-85-5212	P.O. BOX 746	FLETCHER	NC	28732
17	FLETCHER WARD	623417	9652-84-6887	P.O. BOX 23	FLETCHER	NC	28732
18	JAMES SANDERS	733089	9652-84-7528	P.O. BOX 1411	FLETCHER	NC	28732
19	CLARA FOX	4913211	9652-84-5963	P.O. BOX 73	NAPLES	NC	28760
20	RICHARD REECE	904623	9652-83-8903	175 ANGEL LN	FLETCHER	NC	28732
21	J C LONG	771237	9652-83-8655	240 SOUTHER LN	FLETCHER	NC	28732
22	JAMES LONG	791063	9652-83-8619	72 NORMANDY LN	FLETCHER	NC	28732
23	GEORGE WILLIS	836657	9652-83-9108	9 WARBLE DR	FLETCHER	NC	28732
24	NATHAN BENSON BUILDERS, INC	1060247	9652-82-9847	P.O. BOX 1090	MTN HOME	NC	28752
25	NATHAN BENSON BUILDERS, INC	1060247	9652-82-9847	P.O. BOX 1090	MTN HOME	NC	28752
26	STATE EMPLOYEES CREDIT UNION	1397194	9652-92-1943	P.O. BOX 25279	RALEIGH	NC	27611
27	GLADE RESIDENTIAL, LLC	1335359	9652-92-2548	475 S CHURCH ST	HENDERSONVILLE	NC	28792

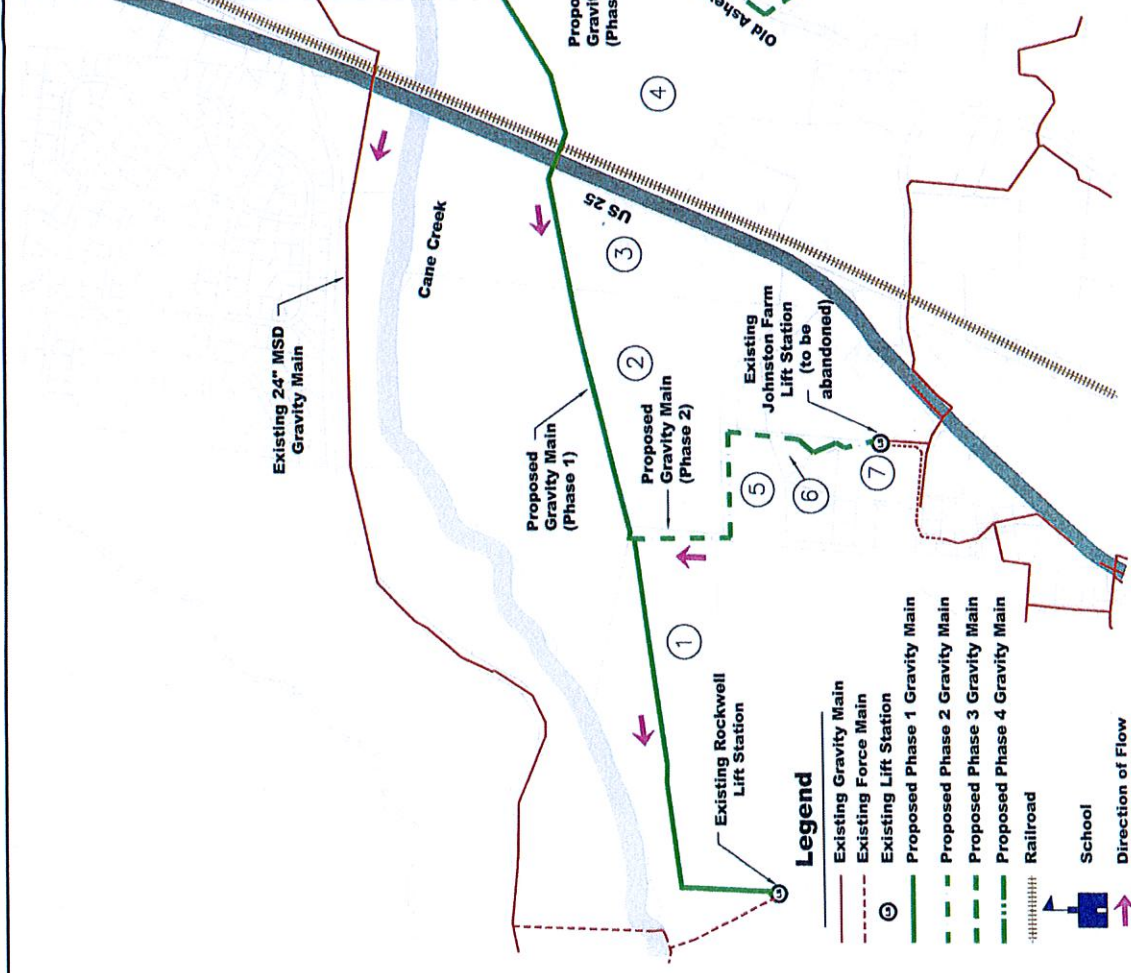
(PROPERTY INFORMATION FROM HENDERSON COUNTY GIS)

Fletcher Warehouse Interceptor Priority #4

FY 09 Drainage Basin Study
Cane Creek Water & Sewer District



100 North King Street
Hendersonville, NC 28792



Legend

- Existing Gravity Main
- Existing Force Main
- Existing Lift Station
- Proposed Phase 1 Gravity Main
- Proposed Phase 2 Gravity Main
- Proposed Phase 3 Gravity Main
- Proposed Phase 4 Gravity Main
- Railroad
- School
- Direction of Flow

WILLIAM G. LAPSLEY & ASSOCIATES P.A.
CONSULTING ENGINEERS & LAND SURVEYORS
100 North King Street
Hendersonville, NC 28792
Phone: (704) 771-7100
Fax: (704) 771-7101
www.wga.com





STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

February 2, 2012

Marcus A. Jones, Director of Engineering
Henderson County Engineering
1 Historic Courthouse Square, Suite 6
Hendersonville, NC 28792

Subject: R-5207B, Howard Gap Road, Parcel 188 Sewer Service

Dear Mr. Jones,

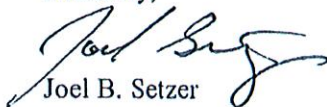
The NCDOT, Division 14, has reviewed the estimate provided by Henderson County Engineering to connect Parcel 188 and Fox Glen development to a proposed gravity sewer main.

The NCDOT agrees to participate in the proposed sewer project known as the Fletcher Warehouse Interceptor project in the amount of \$358,696. As part of this agreement, Parcel 188 (apartments owned by Donna Marie Riley, DB 870, PG 155) on the TIP project R-5207B and the Fox Glen development will be connected to the proposed gravity sewer main. The NCDOT will be responsible for the funding contribution, access to the apartment property for construction, and access to Fox Glenn development for construction, and a sewer service application from the property owner (application to be provided by the sewer district). The county will be responsible for all engineering, design, permits, and construction that may be required as part of the Fletcher Warehouse Interceptor project.

Once the Henderson County Board of Commissioners approves this sewer project and the NCDOT participation, a reimbursable municipal agreement between Henderson County and the NCDOT will be prepared.

Please contact Stephen J. Williams at 828-586-2141 or sjwilliams@ncdot.gov if you have any further questions.

Sincerely,


Joel B. Setzer

Fourteenth Division Office, 253 Webster Road, Sylva, North Carolina 28779

Telephone: 828-586-2141

Fax: 828-586-4043



February 3, 2012

Marcus Jones
Director of Engineering, Henderson County
1 Historic Courthouse Square
Hendersonville NC 28739

Dear Marcus,

The Fletcher Warehousing Company, LP will contribute \$40,000.00 towards the Howard Gap Road gravity sewer line project. We will also provide access across our property via the line surveyed by William Laipsley and Associates. This will include use of our existing easements from the east side of the Norfolk Southern Railway line to the Henderson County pump station. In exchange we expect to receive three free sewer taps and free use of the sewer for a period of two years for the waste generated. The taps are for our property along Jackson Road for Sirocco Properties, LLC and two free taps on our property.

Sincerely,

Charles D. Owen, III
President