

**RESOLUTION 2011-13**

**RESOLUTION OF THE CITY COMMISSION OF LAKE WALES, FLORIDA, AUTHORIZING FUNDS FOR THE PROPOSED SEWER LINE AND RELATED FACILITIES IMPROVEMENTS TO BE COMBINED WITH THE ANTICIPATED CDBG NEIGHBORHOOD REVITALIZATION GRANT**

**Whereas**, the City of Lake Wales plans to provide improvements to the community to benefit low and moderate income persons; and

**Whereas**, the City of Lake Wales will apply for Federal Fiscal Year 2011 grant funds from the Neighborhood Revitalization Category of the Florida Small Cities Community Development Block Grant (CDBG) program to partially fund a sewer line and related facilities improvement project; and

**Whereas**, based on a phase I project cost of \$1,917,000, the City will need to provide \$1,167,000 in non-CDBG funds to be combined with the anticipated CDBG grant of \$750,000 to fund the full phase I cost; and

**Whereas**, the CDBG grant program rules require that the City document the absolute availability of the non-CDBG funds for the project; and

**Whereas**, the City has funds available that may be used for the proposed improvements.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF LAKE WALES, FLORIDA;**

SECTION 1. That the City of Lake Wales commits funds in the amount of \$1,167,000 for the proposed sewer line and related facilities improvements to be combined with the anticipated CDBG Neighborhood Revitalization grant of \$750,000.

SECTION 2. That the non-CDBG funds will be expended after the date of the grant agency's Site Visit and before administrative closeout of the CDBG grant.

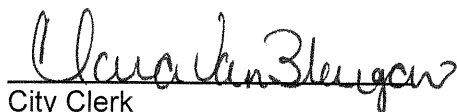
SECTION 3. That \$250,000 of the City funds to be contributed to this project will be used for grant scoring purposes in the CDBG grant application. The project budget, project map and Engineer's Cost Estimate are included as Attachment "A" to this resolution.

**ADOPTED unanimously by the City Commission of Lake Wales, Florida, on this 2nd day of August, 2011.**



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Mayor

Attest:



\_\_\_\_\_  
City Clerk

Attachment A

Project Budget, Project Map and Engineer's Cost Estimate

25 July 2011

Mr. Thomas J. Moran, P.E.  
Public Works Director  
CITY OF LAKE WALES  
201 West Central Avenue  
Lake Wales, Florida 33853

Subject | CDBG Project Description

Project | Lift Station No. 16 ("C" Street Sewer) Service Area Sewer Replacement -  
City of Lake Wales

EVI No. | 70700202

Dear Mr. Moran:

EVI is pleased to submit to the City of Lake Wales the following project description for use with the City's CDBG Application.

Project Overview:

The City desires to replace the existing substandard gravity sanitary sewer system contributing to Lift Station No. 16, which is generally located on the northwest side of the City's utility service area. Specifically, the substandard sanitary sewer network is bounded by G Street to the west; A Street, B Street, C Street and N. 1<sup>st</sup> Street to the east; Florida Avenue to the north; and North Avenue (also known as Dr. J.A. Wiltshire Avenue) to the south. The project is also located along Carver Drive and Dorsett Avenue, which are to the south of North Avenue (Figure 1).

The system for this defined area has been identified by the City of Lake Wales to be substandard and a source of public health concerns. The City has studied this area and evaluated conceptual alternatives. It is the City's intent to replace the existing vitrified clay pipe gravity sanitary sewer system with a new gravity sewer system. The system upgrades are to be designed in accordance with current City of Lake Wales and industry standards to improve the level of service in this area.

Project Description:

The City's engineering consultant, Envisors, LLC (Envisors), has designed and is currently permitting a replacement sewer system for the entire area described above. However, the CDBG Project as proposed will only involve constructing the first phase of the overall larger project that may be accomplished using a combination of currently available City funds and proposed CDBG funding. The actual extent and scope of this first phase of work to be constructed will be dependent on the result of construction market conditions at the time the project is competitively bid. The limits of the proposed CDBG project are illustrated on Figure 1.

Continued

The proposed gravity sewer system will be designed to meet all applicable City and industry standards including minimum pipe slopes and minimum pipe cover. The proposed sewer improvements include sewer pipes generally laid with steeper grades and at lower elevations as compared to the existing system. Lowering the pipes will result in the requirement to reconstruct the Lift Station No. 16 wet well, which is currently too shallow to accept the overall deeper sewer trunk line for the replacement sewer system.

The design location of the proposed sewer system throughout the project area is in most cases parallel and directly adjacent to the existing sewer system. This route was determined to be the apparent most cost effective design scenario to replace the sewer system in the project area. In many project areas, both existing and proposed sewer pipes are located outside of existing public right-of-way. As a result, the proposed project includes acquiring easements from property owners (purchasing the easements at appraised values) to provide space to construct the project. These easements are being acquired by the City attorney and staff in accordance with the procedures of the Uniform Property Acquisition and Relocation Act of 1974 as required for CDBG funded projects.

The contractor's scope of work for the CDBG project will be to furnish all labor, materials, equipment, management, administration, supervision, insurance coverage, and any other facilities and services necessary to successfully construct, start-up, and warranty the completed project. The major items of construction are summarized below:

- 1) Install approximately 2,400 feet of 8-inch and 4,850 feet of 18-inch gravity PVC sanitary sewer pipe and associated manholes.
- 2) Install new wet well, piping and appurtenances for Lift Station No. 16 and transfer existing pumps, electrical components, etc. to new wet well and controls.
- 3) Provide the City with: warranties, guarantees, lien releases, as-built drawings, etc.; and
- 4) Warranty the completed project for one (1) year and provide services as required during the one (1) year warranty period.

Project Cost Estimate and Phasing:

The available budget for the proposed CDBG project is summarized as follows:

Pledged City funds:	\$1,167,000
CDBG grant funds:	<u>\$ 750,000</u>
Total:	\$1,917,000

The engineer's opinion of probable cost, for the proposed CDBG project is included as Table 1. Due to the unpredictability of the future construction market conditions, the City proposes to bid the proposed CDBG project using a base project scope with multiple additive alternate bid items (Additive Bid Alternates A through C) as detailed on Table 1 and illustrated on Figure 1. The priority sequencing of the various additive alternates is based primarily on constructing the most downgradient sections of the sewer system first and also on the areas with the most existing operational problems as reported by City staff.

Continued

Mr. Thomas J. Moran, P.E.  
25 July 2011  
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Future Needs: Remainder of project that has been designed but not funded in the first phase of work.

Thank you and please feel free to call us if you have any questions. We sincerely appreciate the opportunity to assist the City of Lake Wales with this important Project.

Sincerely,  
ENVISORS, LLC



Steven L. Elias, P.E.  
V.P. of Engineering



Roger L. Homann  
Project Manager

SE/RH/ir

Attachments: As Stated

Copy to: Andy Easton, AICP, Andy Easton & Associates; EVI Job, Contract, and Cost File:

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**TABLE 1**  
**CDBG Project Opinion of Probable Cost\***  
**City of Lake Wales**  
**Lift Station No. 16 ("C" Street Sewer) Service Area Sewer Replacement**

	Opinion of Probable Construction Cost	Opinion of Probable Construction Cost with 15% Contingency
<b><u>Preconstruction Costs:</u></b>		
Easement Costs (Paid to Property Owners Based on Appraised Values):	\$150,000	\$172,500
Other Easement Acquisition Costs:	\$113,000	\$129,950
Engineering Design & Permitting Costs:	\$196,000	\$225,400
<b>Preconstruction Costs Total:</b>	<b>\$459,000</b>	<b>\$527,850</b>
<b><u>CDBG Grant Administration:</u></b>	\$50,000	\$50,000
<b><u>Construction Engineering Inspection:</u></b>		
1) City Funded:	\$73,200	\$84,180
2) CDBG Funded:	\$42,200	\$48,530
<b><u>Base Bid Scope:</u></b>	\$679,853	\$781,831
1) Lift Station 16 Improvements 2) North Avenue Sewer Replacement 3) Booker Avenue Area Sewer Replacement 4) Dorsett Ave. Area Sewer Replacement		
<b><u>Additive Bid Alternate A:</u></b>	\$193,620	\$222,663
Scope: Sewer Replacement between A Street and B Street		
<b><u>Additive Bid Alternate B:</u></b>	\$171,814	\$197,586
Scope: Sewer Replacement between B Street and C Street		
<b><u>Additive Bid Alternate C:</u></b>	\$144,893	\$166,626
Scope: Southern Half of Sewer Replacement between C Street and D Street		
<b><u>Additive Bid Alternate D:</u></b>	\$144,893	\$166,626
Scope: Northern Half of Sewer Replacement between C Street and D Street		
<b>Total for Phase 1 (Including Bid Alternates and CEI):</b>	<b>\$1,500,472</b>	<b>\$1,718,043</b>
<b>GRAND TOTAL:</b>	<b>\$1,959,472</b>	<b>\$2,245,893</b>

\*Because Envisors, LLC has no control over the cost of labor, materials, equipment, or services furnished by contractors; methods of determining prices; competitive bidding; nor economic market conditions, any opinions of construction and material costs are made on the basis of past experience and represent Envisors' best judgment as experienced and qualified professional engineers familiar with the construction industry. Envisors cannot guarantee that proposals, bids, or actual costs will not vary from our opinion of probable costs. If at any time the City of Lake Wales desires greater assurance as to the probable costs, an independent cost estimator can be retained to develop a detailed cost estimate.