

## ACTION FORM BRYAN CITY COUNCIL

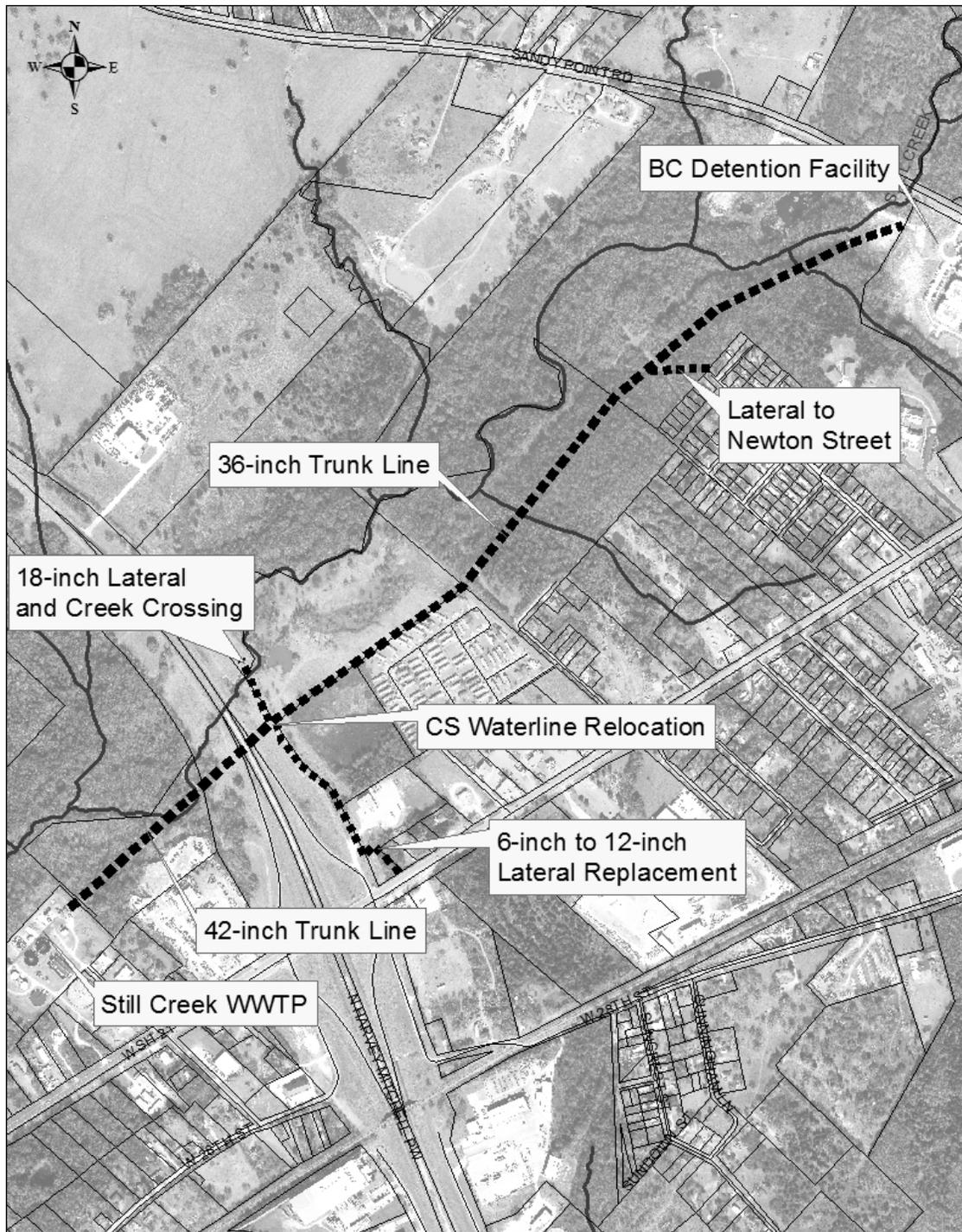
<b>DATE OF COUNCIL MEETING:</b> December 10, 2013		<b>DATE SUBMITTED:</b> November 22, 2013	
<b>DEPARTMENT OF ORIGIN:</b> Engineering/PW		<b>SUBMITTED BY:</b> W. Paul Kaspar	
<b>MEETING TYPE:</b>	<b>CLASSIFICATION:</b>	<b>ORDINANCE:</b>	<b>STRATEGIC INITIATIVE:</b>
<input type="checkbox"/> BCD	<input type="checkbox"/> PUBLIC HEARING	<input type="checkbox"/> 1ST READING	<input checked="" type="checkbox"/> PUBLIC SAFETY
<input type="checkbox"/> SPECIAL	<input type="checkbox"/> CONSENT	<input type="checkbox"/> 2ND READING	<input type="checkbox"/> SERVICE
<input checked="" type="checkbox"/> REGULAR	<input checked="" type="checkbox"/> STATUTORY		<input checked="" type="checkbox"/> ECONOMIC DEVELOP.
<input type="checkbox"/> WORKSHOP	<input type="checkbox"/> REGULAR		<input checked="" type="checkbox"/> INFRASTRUCTURE
			<input type="checkbox"/> QUALITY OF LIFE
<b>AGENDA ITEM DESCRIPTION:</b> Consider awarding the construction contract for the Still Creek Wastewater Improvements Phase III project, City Project Number 411-D4-1102, to Elliott Construction, L.L.C., for the not to exceed amount of \$2,776,079.75.			
<p><b>SUMMARY STATEMENT:</b> This construction project includes installation of approximately 6,500 linear feet of 42-inch and 36-inch trunk sewer line, and 2,200 linear feet of 18-inch, 12-inch and 8-inch lateral lines. The project starts at the Still Creek Wastewater Treatment Plant (WWTP) and runs along Still Creek north of State Highway 21, between Sandy Point Road and Harvey Mitchell Parkway, (see image below) terminating near the Brazos County Detention Facility off Sandy Point. The estimated construction cost for this project was \$3,300,000.00 for the Base Bid and, \$2,770,000 for Base Bid plus Alternate Bid #1. This project will replace two lines that currently convey wastewater to the Still Creek WWTP and relocates the line away from the creek.</p> <p>Replacement of the sanitary sewer trunk lines will require modification of the headworks at the Still Creek WWTP; the headworks will be reconstructed to accommodate the larger lines entering the plant. Installation of the 42-inch trunk line will require a 60-inch bore and casing under Harvey Mitchell Parkway (FM2818), just east of the Still Creek plant. The 42-inch trunk line will change to a 36-inch trunk line on the east side of FM2818. Construction of the 36-inch line will require lowering a 36-inch diameter City of College Station water line that will conflict with the new 36-inch sewer line. From the east side of FM2818, the new trunk line will run eastward, through mostly undeveloped land, to a sanitary sewer junction box just off Sandy Point Road, near the Brazos County Detention Facility. The alignment of the proposed trunk lines will be farther from the creek than the existing alignment to improve access to the line and, reduce the chances of groundwater infiltration. New manholes will be installed on the proposed trunk line to meet TCEQ spacing requirements and where lateral lines connect to the new trunk line.</p> <p>Several sanitary sewer lateral lines will be upgraded or replaced with this project. Approximately 400 linear feet of 18-inch lateral line will be removed and replaced from the new trunk line, northward along FM2818, to across Still Creek. Replacement of this lateral line will reconstruct the creek crossing with new piers and casing. From the new trunk line southward along FM2818 to SH21, approximately 1,250 linear feet of existing 6-inch sanitary sewer line will be upgraded to a 12-inch line. This section of lateral line will be upgraded by two different methods, removal and replacement and by pipe bursting the existing line. The existing 6-inch sanitary sewer lateral, from Newton Street to the new trunk line, will be upsized to an 8-inch line by removal and replacement. The proposed lateral lines will include new manholes and service connections where needed.</p> <p>One section of the sewer line was removed from the bid. This line ran through property owned by Mr. Paul Madison. Because of the requirement to go through condemnation when a council member is involved, staff elected to remove this section from the bid and save the expense. If the City is able to obtain an easement from Mr. Madison, staff may bring a change order back to the City Council to add this line back to the project.</p>			

There is an existing high pressure Atmos Energy gas line located outside of TxDOT right-of-way on the east side of FM2818 that will conflict with the new 36-inch sewer trunk line. The Atmos line will have to be relocated prior to constructing the 36-inch line. Since the Atmos line is not in City of Bryan right-of-way, the line is not subject to the requirements of the City of Bryan's franchise agreement with Atmos or the City's right-of-way ordinance. Therefore, the City of Bryan is left with only one choice, which is to pay the cost of relocating the gas line. The estimated cost provided by Atmos to relocate the line is \$139,716.00.

The majority of the existing sewer lines in this area are located in the Still Creek Basin and have been evaluated and identified as severely degraded and a significant source of Inflow and Infiltration (I&I). This project will correct I&I problems as well as increase capacity for future flow requirements and growth. This project is one the Texas Commission on Environmental Quality (TCEQ) expects to see completed by October 2014 as part of the City's Sanitary Sewer Overflow (SSO) initiative.

The Base Bid for this project includes 42-inch and 36-inch ductile iron pipe for the sanitary sewer trunk line. Alternate Bid #1 for this project substitutes PVC pipe for the ductile iron pipe.

Three (3) competitive bids were received and opened on November 21, 2013. The low bidder for Base Bid plus Alternate Bid #1 on the project is Elliott Construction, L.L.C. with a bid of \$2,776,079.75, which is approximately two percent above the Engineer's Estimate of \$2,770,000.00 and represents the best value for the City of Bryan.



**STAFF ANALYSIS AND RECOMMENDATION:** Staff recommends that the City Council award the Base Bid plus Alternate Bid #1 for the construction contract to Elliott Construction, L.L.C. for the Still Creek Sewer Improvements Phase III project, City Project Number 411-D4-1102, in the not to exceed amount of \$2,776,079.75 as this combination of alternate bid provides the best value to the City of Bryan. There are approximately 9,000 linear feet of sewer lines in this area that have been evaluated and determined to be severely degraded and a significant source of I&I. This project will replace these lines, relocate the lines out of alignments that are too close to Still Creek, and increase the flow capacity of the system to help meet requirements for future growth and development.

**OPTIONS (In Suggested Order of Staff Preference):**

1. Award the construction contract
2. Award the construction contract with base bid, which may require consideration at a future City Council meeting
3. Do not award the construction contract

**ATTACHMENTS:** Bid Tabulation, Bid Summary

**FUNDING SOURCE:** Fund 515, Wastewater Operating Funds - \$2,776,079.75.

**APPROVALS:** Jayson E. Barfknecht 11/25/13; Hugh R. Walker, 11/25/2013

**APPROVED FOR SUBMITTAL: CITY MANAGER** Kean Register, 11/25/2013

**APPROVED FOR SUBMITTAL: CITY ATTORNEY** Janis K. Hampton 12/01/2013

Revised 05/2013