



**CITY OF LODI
COUNCIL COMMUNICATION**

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AGENDA TITLE: Adopt Resolutions Authorizing City Manager to Execute Agreements Regarding Woodbridge Irrigation District Connection for Providing Surface Water and Appropriating Funds **(\$92,000)**

MEETING DATE: January 16, 2008

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Adopt resolutions authorizing the City Manager to:

- 1) Execute an agreement with Woodbridge Irrigation District for the reimbursement of costs for construction of raw water supply piping for the Lodi Surface Water Treatment Plant and appropriate \$60,000 from the Water Development Impact Fee fund.
- 2) Execute Amendment No. 1, in the amount of \$32,000, to the contract with HDR Engineering, Inc., to add raw water pump station design and consultations with California Department of Public Health and appropriate funds from the Water Development Impact Fee fund.

BACKGROUND INFORMATION: The Woodbridge Irrigation District (WID) is currently constructing a fish screen at the head of the main irrigation canal. In planning for the City's future surface water diversions, WID incorporated a 48-inch diameter raw water supply pipe stub into the design and construction of the fish screen facility for Lodi to access at a later time when the surface water treatment plant was being constructed. The design and construction of the outlet pipe have been performed at no cost to the City.

As City and WID staff continued discussion on the future connection, we determined the pipe could be terminated at a higher elevation during the fish screen construction by adding an elbow fitting. This would make it significantly easier to connect to the pipeline during construction of the City's surface water treatment plant. Due to right-of-way constraints and the need to perform a significant excavation near the river, adding the elbow now will cost significantly **less** since the excavation is currently open and the temporary construction right-of-way has been acquired.

Citing potential of disturbing the newly-constructed fish screen improvements, WID is strongly urging the City to have the work done now to avoid future excavation adjacent to their completed facility and has offered to assist.

In order to save significant future construction costs and to avoid the risk of disturbing the WID fish screen improvements, staff recommends Council authorize the City Manager to execute an agreement with Woodbridge Irrigation District for the reimbursement of costs for construction of raw water supply piping for the Lodi Surface Water Treatment Plant and appropriate funds (\$60,000). A copy of the WID proposal is provided as Exhibit A.

APPROVED:


Blair King, City Manager

However, construction of raw water supply piping at this time will require that the design of the pipeline and pump station be advanced from conceptual to a more detailed design level. Since May 2007, HDR Engineering, Inc., (HDR) has been under contract with the City to prepare the surface water treatment facility conceptual design and feasibility evaluation for utilization of the Woodbridge Irrigation District (WID) surface water supply. That work is progressing and Council has preliminarily selected the water treatment plant site.

Amendment No. 1 to the HDR contract adds the following services:

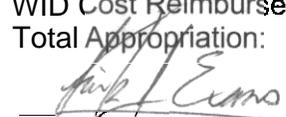
1. Near-final design of the raw water supply pipeline and pumping station to coordinate with the WID construction underway. In cooperation with the City, WID will have its contractor construct one elbow of the new raw water supply piping as shown in Exhibit B.
2. Perform additional research and analysis of the California Health and Safety Code required to develop a strategic action plan with respect to recreational use of Lodi Lake and the point of diversion for a public drinking water supply.

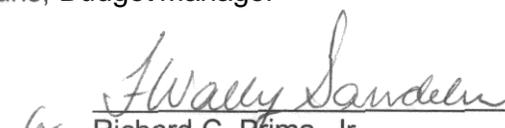
Because Lodi Lake includes a swimming beach, several provisions of the California Health and Safety Code, Division 104, are potentially relevant to the proposed diversion from the Mokelumne River at the WID canal. Several alternatives exist for addressing the various and different provisions of the code and their applicability to this project. A quick determination on these issues was required and a position paper and decision matrix has been prepared and discussed with State of California Department of Public Health. The decision by the State was favorable to the project.

FISCAL IMPACT: None at this time. Upon completion of the surface water treatment facilities, additional maintenance costs will be incurred by the City. The HDR contract is \$399,786, and the amendment is \$32,000 or 8%. Approximately \$112,000 has been expended on this contract as of November 2007. Although it is early in the project, cost savings in the contract may result from the early selection by the City Council of the preferred water plant site that could partially offset this contract amendment.

FUNDING AVAILABLE: Funds will need to be appropriated from the Water Development Impact Fee fund in the amount of \$92,000.

HDR Contract Amendment No. 1:	\$32,000
WID Cost Reimbursement:	<u>\$60,000</u>
Total Appropriation:	\$92,000


Kirk Evans, Budget Manager

for 
Richard C. Prima, Jr.
Public Works Director

Prepared by Wally Sandelin, City Engineer/Deputy Public Works Director and Charlie Swimley, Water Services Manager
RCP/FWS/pmf
Attachments

cc: Anders Christensen, Woodbridge Irrigation District
Charlie Swimley, Water Services Manager

F. Wally Sandelin, City Engineer/Deputy Public Works Director
D. Stephen Schwabauer, City Attorney

WOODBIDGE IRRIGATION DISTRICT

18777 N. LOWER SACRAMENTO ROAD

WOODBIDGE, CALIFORNIA 95258

(209) 369-6808

FAX: 369-6823

ANDERS CHRISTENSEN
MANAGER
SECRETARY / TREASURER

JIM SHULTS
SUPERINTENDENT

DIRECTORS
WILLIAM STOKES
PRESIDENT

ED LUCCHESI
VICE PRESIDENT

BILL SHINN
AVERY McQUEEN
HENRY P. VAN EXEL

January 2, 2008

Charles Swimley
Public Works Department
221 West Pine Street
PO Box 3006
Lodi, CA 95241-1910

Dear Charley,

Re: Lodi Delivery Point

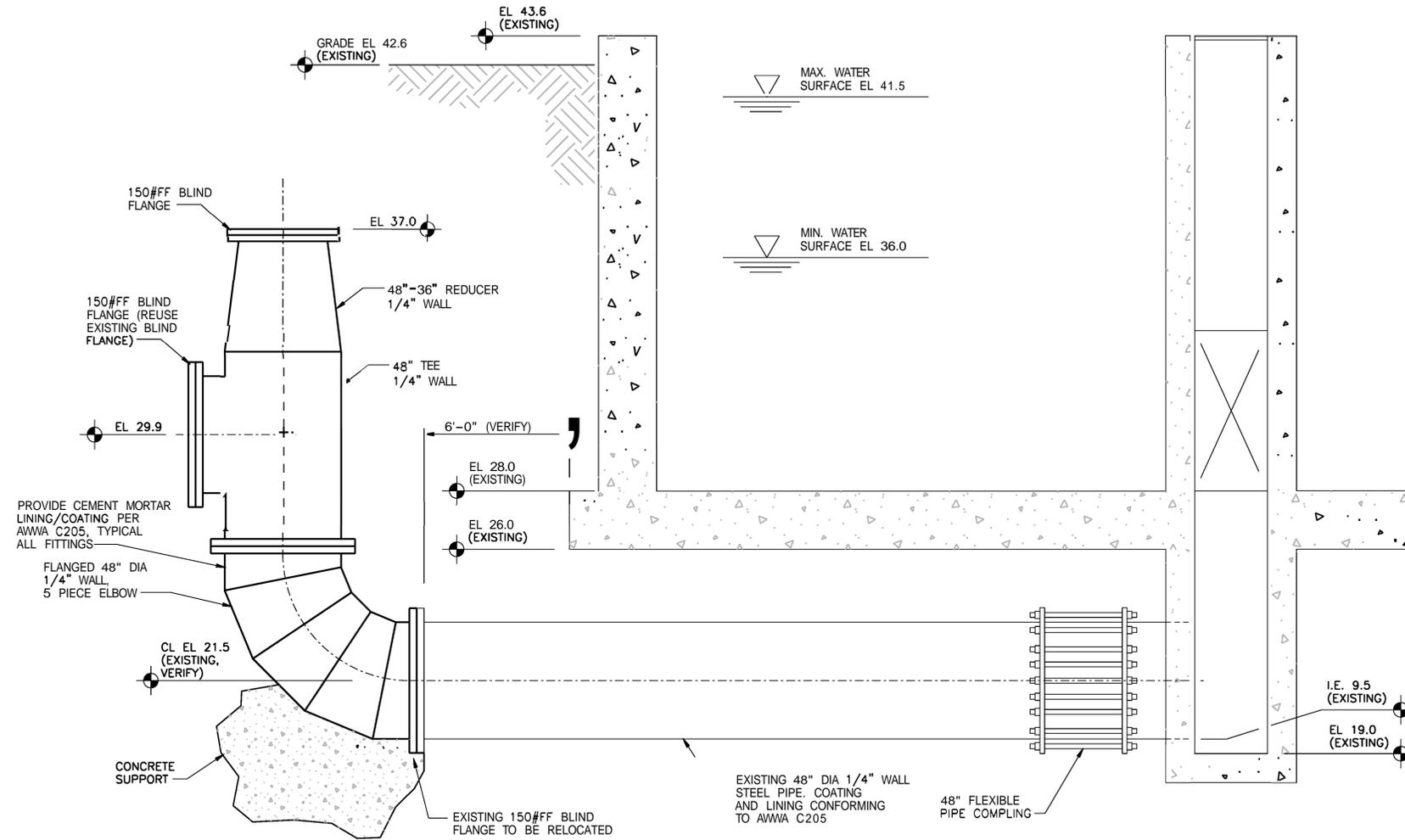
We have made an analysis of the probable costs for the installation of the of the Lodi Pipe extension to bring the centerline of the "T" elevation to 29.9' MSL to facilitate a future installation. The project would involve excavation for the 90 deg. Elbow to elevation 19' (approx.). The 90 deg. elbow would be secured with a concrete thrust block poured in place. The remainder of the pipe extension would then be place on top of the 90 deg. bend. A crane would be utilized to place the sections. The District would wrap the pipe with heavy poly wrap and back fill with Class II road base.

We have obtained a quote for the pipe including delivery to the site amounting to \$30,302.00 plus tax including all hardware. It is estimated that the pipe could be delivered to the site in approximately 3 weeks after ordering.

The District would utilize its own labor forces for the install and would bill Lodi for all labor and materials an equipment rental needed to make the installation. The cost for the entire project including the pipe costs will not exceed \$60,000. If you agree with our proposal, please sign the letter and return to the District.

Signed Anders Christensen:  Date: 1-2-08
Woodbridge Irrigation District

Signed Charles Swimley: _____ Date: _____
City of Lodi



SECTION

0 2 4 8 FT

SCALE: 3/8" = 1'-0"

A
FIG 1

PENTABLE: HDRcodist.tbl PLOT DRIVER: PDF_2007.plt



HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION	PROJECT NUMBER

**CITY OF LODI
RAW WATER PUMP STATION**

EXHIBIT B



RESOLUTION NO. 2008-01

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING THE CITY MANAGER TO EXECUTE AGREEMENT WITH WOODBRIDGE IRRIGATION DISTRICT FOR THE REIMBURSEMENT OF COSTS FOR CONSTRUCTION OF RAW WATER SUPPLY PIPING FOR THE LODI SURFACE WATER TREATMENT PLANT AND APPROPRIATING FUNDS FOR THIS PROJECT

WHEREAS, the Woodbridge irrigation District (WID) is currently constructing a fish screen at the head of its main irrigation canal; and

WHEREAS, in planning for the City's future surface water diversions, WID at no cost to the City of Lodi incorporated a 48-inch diameter raw water supply pipe into the design and construction of the fish screen facility for Lodi to access at a later time when the surface water treatment plant was being constructed; and

WHEREAS, it was discovered the 48-inch diameter raw water supply pipe could be terminated at a higher elevation during the fish screen construction, thereby making it significantly easier to connect to the pipeline during construction of the City's surface water treatment plant; and

WHEREAS, due to right-of-way issues and the need to perform a significant excavation near the river, this modification will cost significantly **less** to implement now since the excavation is currently open and the temporary right-of-way has been acquired; and

WHEREAS, WID is strongly suggesting this work be performed as part of fish screen improvements to avoid a future excavation adjacent to its completed facility.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council hereby authorizes the City Manager to execute an agreement with Woodbridge Irrigation District for the reimbursement of costs for construction of raw water supply piping for the Lodi Surface Water Treatment Plant; and

BE IT FURTHER RESOLVED that funds in the amount of \$60,000 be appropriated from the Water Development Impact ~~Fee~~ fund.

Dated: January 16, 2008

I hereby certify that Resolution No. 2008-01 was passed and adopted by the Lodi City Council in a regular meeting held January 16, 2008, by the following votes:

AYES: COUNCIL MEMBERS – Hansen, Hitchcock, Johnson, Katzakian, and Mayor Mounce

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None


RANDI JOHL
City Clerk

RESOLUTION NO. 2008-02

A RESOLUTION OF THE LODI CITY COUNCIL
AUTHORIZING THE CITY MANAGER TO EXECUTE
CONTRACT AMENDMENT NO. 1 WITH HDR ENGINEERING,
INC., TO ADD RAW WATER PUMP STATION DESIGN AND
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH PERMIT
CONSULTATIONS AND FURTHER APPROPRIATING FUNDS

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WHEREAS, HDR Engineering, Inc., (HDR) has been under contract with the City of Lodi since May 2007 to prepare the surface water treatment facility conceptual design and feasibility evaluation for utilization of the Woodbridge Irrigation District (WID) surface water supply; and

WHEREAS, Amendment No. 1 would provide for the near-final design of the raw water supply pipeline and pumping station to coordinate with the WID construction underway and performance of research and analysis of the California Health and Safety Code required to develop a strategic action plan with respect to recreational use of Lodi Lake and the point of diversion for a public drinking water supply; and

WHEREAS, in cooperation with the City, WID will have its contractor construct one elbow of the new raw water supply piping; and

WHEREAS, construction of a new fish screen by WID has included the installation of a horizontal pipe stub that would be the future connection point for the raw water supply to the water treatment plant, and staff recommends the installation of the elbow at this time, which would require that the design of the pipeline and pump station be advanced from conceptual to near-final design level; and

WHEREAS, Lodi Lake includes a swimming beach, and several provisions of the California Health and Safety Code, Division 104, are potentially relevant to the proposed diversion from the Mokelumne River for the water treatment plant. Several alternatives exist for addressing the various and different provisions of the code and their applicability to this project. A position paper and decision matrix will be prepared and discussed with the California Department of Public Health for the purpose of establishing a strategic action plan.

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the City Manager to execute Contract Amendment No. 1 with HDR Engineering, Inc., in the amount of \$32,000 to add raw water pump station design and consultations with the California Department of Public Health; and

BE IT FURTHER RESOLVED that funds in the amount of \$32,000 be appropriated from the Water Development Impact Fee fund.

Dated: January 16, 2008

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I hereby certify that Resolution No. 2008-02 was passed and adopted by the City Council of the City of Lodi in a regular meeting held January 16, 2008, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Hitchcock, Johnson, Katzakian,
and Mayor Mounce

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

RANDI JOHL
City Clerk

CITY COUNCIL

JOANNE L. MOUNCE, Mayor
LARRY D. HANSEN,
Mayor Pro Tempore
SUSAN HITCHCOCK
BOB JOHNSON
PHIL KATZAKIAN

CITY OF LODI
PUBLIC WORKS DEPARTMENT

CITY HALL, 221 WEST PINE STREET
P.O. BOX 3006
LODI, CALIFORNIA 95241-1910
(209) 333-6706
FAX (209) 333-6710
EMAIL pwdept@lodi.gov
<http://www.lodi.gov>

BLAIR KING
City Manager
RANDI JOHL
City Clerk
D. STEVEN SCHWABAUER
City Attorney
RICHARD C. PRIMA, JR.
Public Works Director

January 11, 2008

Anders Christensen
Woodbridge Irrigation District
18777 N. Lower Sacramento Road
Woodbridge, CA 95258

SUBJECT: Adopt Resolutions Authorizing City Manager to Execute Agreements
Regarding Woodbridge Irrigation District Connection for Providing Surface
Water and Appropriating Funds (\$92,000)

Enclosed is a copy of background information on an item on the City Council agenda of
Wednesday, January 16, 2008. The meeting will be held at 7 p.m. in the
City Council Chamber, Carnegie Forum, 305 West Pine Street.

This item is on the consent calendar and is usually not discussed unless a
Council Member requests discussion. The public is given an opportunity to address
items on the consent calendar at the appropriate time.

If you wish to write to the City Council, please address your letter to City Council,
City of Lodi, P. O. Box 3006, Lodi, California, 95241-1910. Be sure to allow time for the
mail. Or, you may hand-deliver the letter to City Hall, 221 West Pine Street.

If you wish to address the Council at the Council Meeting, be sure to fill out a speaker's
card (available at the Carnegie Forum immediately prior to the start of the meeting) and
give it to the City Clerk. If you have any questions about communicating with the
Council, please contact Randi Johl, City Clerk, at (209) 333-6702.

If you have any questions about the item itself, please call Charlie Swimley,
Water Services Manager, at (209) 333-6740.


for: Richard C. Prima, Jr.
Public Works Director

RCP/pmf

Enclosure

cc: City Clerk