CITY OF
HAYWARD
HEART OF THE BAY

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DATE: June 2, 2009

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Dixon Area Sewer Improvements – Industrial Diverter: Approval of Plans and Specifications and Call for Bids

RECOMMENDATION

That Council adopts the attached resolution approving the plans and specifications for the Dixon Area Sewer Improvements – Industrial Diverter and call for bids to be received on June 30, 2009.

BACKGROUND

In 2002, CH2MHill completed a Wastewater Collection System Master Plan Update that identified future capacity issues in the 10-inch asbestos cement (ACP) sewer main on Dixon Street and Industrial Parkway. The 10-inch ACP sewer main was originally constructed in 1956. The 2002 Plan Update recommended upsizing this existing sewer main by pipe bursting methods to provide the needed capacity for future development in the Garin Vista and South Hayward BART areas.

DISCUSSION

During the design process, City staff discovered that the EPA has ruled that bursting asbestos pipe creates an active asbestos waste disposal site that must be managed. In addition, the Bay Area Air Quality Management District issued an advisory regarding additional reporting and compliance measures for asbestos pipe bursting or removal. As a result, the current construction practices for ACP sewer replacement are to either completely remove the asbestos cement pipe (by a properly certified contractor) or leave it in the ground intact (either in use or backfilled with grout) and installing a new sewer parallel to the existing ACP to provide the needed capacity. Considering the relatively close proximity of other major utilities and the numerous service connections to the existing ACP sewers, and the presence and unknown condition of a previously abandoned 8-inch sewer main on Dixon Street and Industrial Parkway, City staff determined that it would be cost prohibitive to replace the existing ACP sewers. Staff further determined that installing a new sewer main parallel to the existing one is not practically feasible without removing some sections of the existing ACP.

An alternative solution would be to construct a new 12-inch diversion sewer that intercepts the existing 8-inch sewer at the bottom of Alquire Parkway, crosses Mission Boulevard and continues down Industrial Parkway and connects to the existing 12" PVC sewer at Arrowhead Way that was constructed in 2000. By intercepting wastewater flow at Alquire Parkway that presently goes north through the Mission Boulevard sewer, the 10-inch Dixon Street and Industrial Parkway sewer will have sufficient capacity to accommodate current flows as well as future development in the South Hayward BART area. (See Exhibit A)

This project consists of the installation of approximately 440 feet of a new 12-inch PVC or high density polyethylene (HDPE) sewer main that connects to the existing 8" sewer at the bottom of Alquire Parkway, crosses under Mission Boulevard, continues down Industrial Parkway and connects to an existing manhole approximately 400 feet northeast of the Industrial Parkway and Dixon Street intersection. The project also includes the replacement of approximately 520 feet of existing 8-inch vitrified clay (VCP) sewer main with 12-inch PVC or HDPE sewer pipe from the new 12-inch sewer to an existing manhole at Industrial Parkway and Arrowhead Way/Dixon Street. An additional 35 feet of 8-inch VCP sewer will be replaced with 12-inch PVC or HDPE at Alquire Parkway and Mission Boulevard. The new 12-inch sewer will be installed primarily by Jack & Bore methods (including the portion under Mission Boulevard), while the 12-inch replacement sewer will be done by Open Trench methods. The project also includes construction of new sanitary sewer manholes and modifications to existing sanitary sewer manholes.

In general, the work will begin at the downstream end (at Industrial Parkway and Arrowhead Way/Dixon Street) and proceed up Industrial Parkway toward Mission Boulevard using open trench methods. Jack & Bore operations in Industrial Parkway and under Mission Boulevard are anticipated to begin shortly after the start of construction, such that the boring operations would be completed by the time the replacement of the downstream sewer in Industrial Parkway is also completed. The final phase of work will be the replacement of the existing 8-inch sewer main at the bottom of Alquire Parkway at Mission Boulevard. During construction, impacts to traffic will be minimized by restricting working hours on Mission Boulevard to only 9:00 A.M. to 3:00 P.M. on weekdays. In addition, the contractor will be required to maintain at least one of the two lanes in each direction open on Industrial Parkway at all times.

City staff has applied for a Caltrans Encroachment Permit for the work within the State's right-of-way on Mission Boulevard. The encroachment permit for the project will be secured prior to the start of construction. In addition, the contractor will be required to obtain a separate (secondary) encroachment permit from Caltrans.

ENVIRONMENTAL REVIEW

This project is categorically exempt from environmental review under the California Environmental Quality Act (CEQA). The Public Resource Code states that CEQA does not apply to any project of less than one mile in length within a public street or highway or any other public right-of-way, for the installation of a new pipeline, or the maintenance, repair, restoration, reconditioning, replacement, removal, or demolition of an existing pipeline of any length.

FISCAL AND ECONOMIC IMPACT

The estimated project costs are as follows:

Design & Award (In-house)		$ 75,000
Construction Contract		800,000
Inspection & Administration		85,000
	Total:	**$ 960,000**

The FY 2009 Capital Improvement Program includes a total of $1,100,000 for this project in the Sewer Replacement Fund.

PUBLIC CONTACT

Notices will be provided to residents, property owners, and business owners who may be affected by the construction, to inform them of the nature and purpose of the work, potential impacts, and a City contact for additional information. A second notice will be provided when the contractor work schedule is defined and specific dates for lane closures can be established.

CONSTRUCTION SCHEDULE

The following tentative project schedule has been developed for this project:

Call for Bids	June 2, 2009
Open Bids	June 30, 2009
Award Construction Contract	July 21, 2009
Begin Construction	August 17, 2009
Construction Completion	November 6, 2009

Prepared by:

Alex Ameri, Deputy Director of Public Works

Recommended by:

Robert A. Bauman, Director of Public Works

Approved by:

Gregory T. Jones, City Manager

Attachments: Exhibit A: Project Location Map
Draft Resolution

DIXON AREA SEWER IMPROVEMENTS – INDUSTRIAL DIVERTER

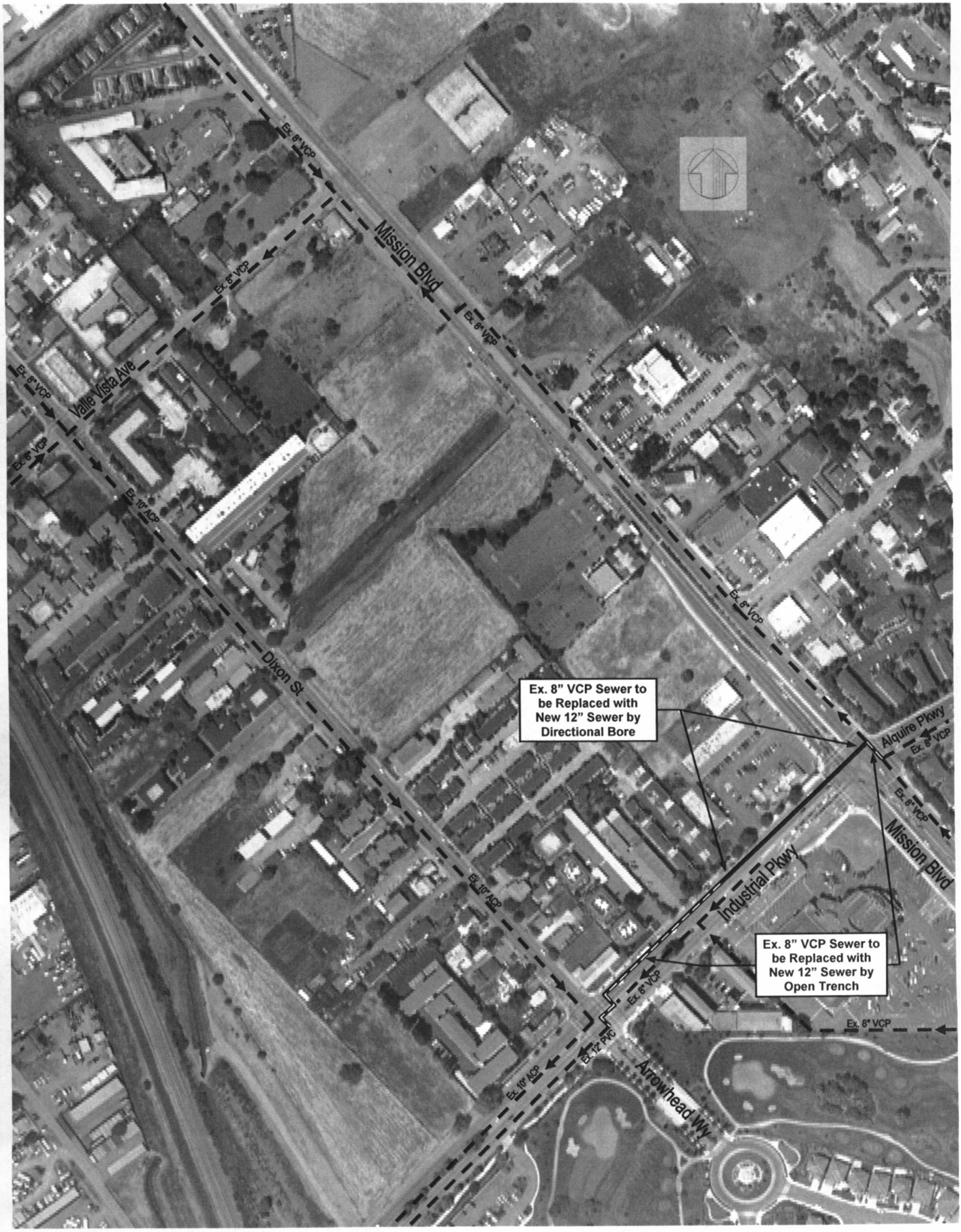

Exhibit A – Project Location Map

DRAFT NK 5/21/09

HAYWARD CITY COUNCIL

RESOLUTION NO. 09-

Introduced by Council Member_____

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR THE DIXON AREA SEWER IMPROVEMENTS-INDUSTRIAL DIVERTER PROJECT, PROJECT NO. 7550, AND CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Dixon Area Sewer Improvements-Industrial Diverter Project, Project No. 7550, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project;

2. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law;

3. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 B Street, Hayward, California 94541, up to the hour of 2:00 p.m. on Tuesday, June 30, 2009, and immediately thereafter publicly opened and declared by the City Clerk in Conference Room 4D, City Hall, Hayward, California;

4. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same.

5. The project is categorically exempt from review under the California Environmental Quality Act Guidelines which state that CEQA does not apply to any project of less than one mile in length within a public street or highway or any other public right-of-way, for the installation of a new pipeline, or the maintenance, repair, restoration, recondition, replacement, removal or demolition of an existing pipeline of any length.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2009

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:
MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST:_____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

_____
City Attorney of the City of Hayward