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CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE DIRECTOR

January 3, 1986

Melvin H. Johnson
Director
Leslie M. Frink
Deputy Director
Reginald Young
Deputy Director

Transportation and Community Development Committee
Sacramento, California

Honorable Members In Session:

SUBJECT: Water Quality Issues Associated with the Existing Landfill

SUMMARY

New groundwater monitoring wells have been installed at the 28th Street Landfill. Preliminary results continue to indicate the presence of detectable quantities of Vinyl Chloride in the groundwater immediately adjacent to the Landfill areas. The results of the first round of water quality testing of these new monitoring wells is included in this report. Staff will conduct additional investigations to determine the specific extent of potential contamination and off-site migration, if at all, of the detected contaminants.

BACKGROUND

Water quality tests conducted earlier this year on samples taken from monitoring wells around the landfill indicated detectable levels of volatile organic constituents. Based on these results, a number of new monitoring wells constructed from stainless steel casing and screen material have been installed. The Solid Waste Division also purchased pumps dedicated to each well for water quality sampling.

In early December the first round of groundwater samples were taken by City staff and by Anlab, retained by the City to collect and conduct chemical analysis on these samples. Preliminary results of testing performed by the City's American River Filtration Plant Laboratory indicate that Vinyl Chloride in concentrations up to five parts per billion are present in the groundwater underneath the landfill. Results from Anlab are anticipated to be available at the time of the Committee Meeting.

The test results will be submitted to the Regional Water Quality Control Board. When the Regional Board has had the opportunity to evaluate the results, City staff will meet with them to discuss the findings and present steps for additional testing and/or potential remedial action. Readings taken of the receiving water of the American River are continuing to show that there are no detectable contaminants impacting the potential drinking water supply. Additional testing and monitoring will likely be

required to identify the extent of migration of the detected contaminants. It is anticipated that additional monitoring wells will be needed to accomplish this. City staff will prepare an expanded monitoring program for review by the Regional Board Staff. The proposed monitoring and testing program will also be presented to the Transportation and Community Development Committee. We anticipate presenting additional findings and the proposed course of action within two months.

FINANCIAL

The test results indicate the need for additional monitoring and possibly remedial action to control off-site migration of pollutants. At this time we are not able to estimate the potential cost of such activities.

RECOMMENDATION

It is recommended that the Committee Accept this report for information and schedule a report back to the Committee in March, 1986.

Respectfully submitted,

Approved for Committee Information

Solon Wisham Jr.
SOLON WISHAM, JR.
Assistant City Manager

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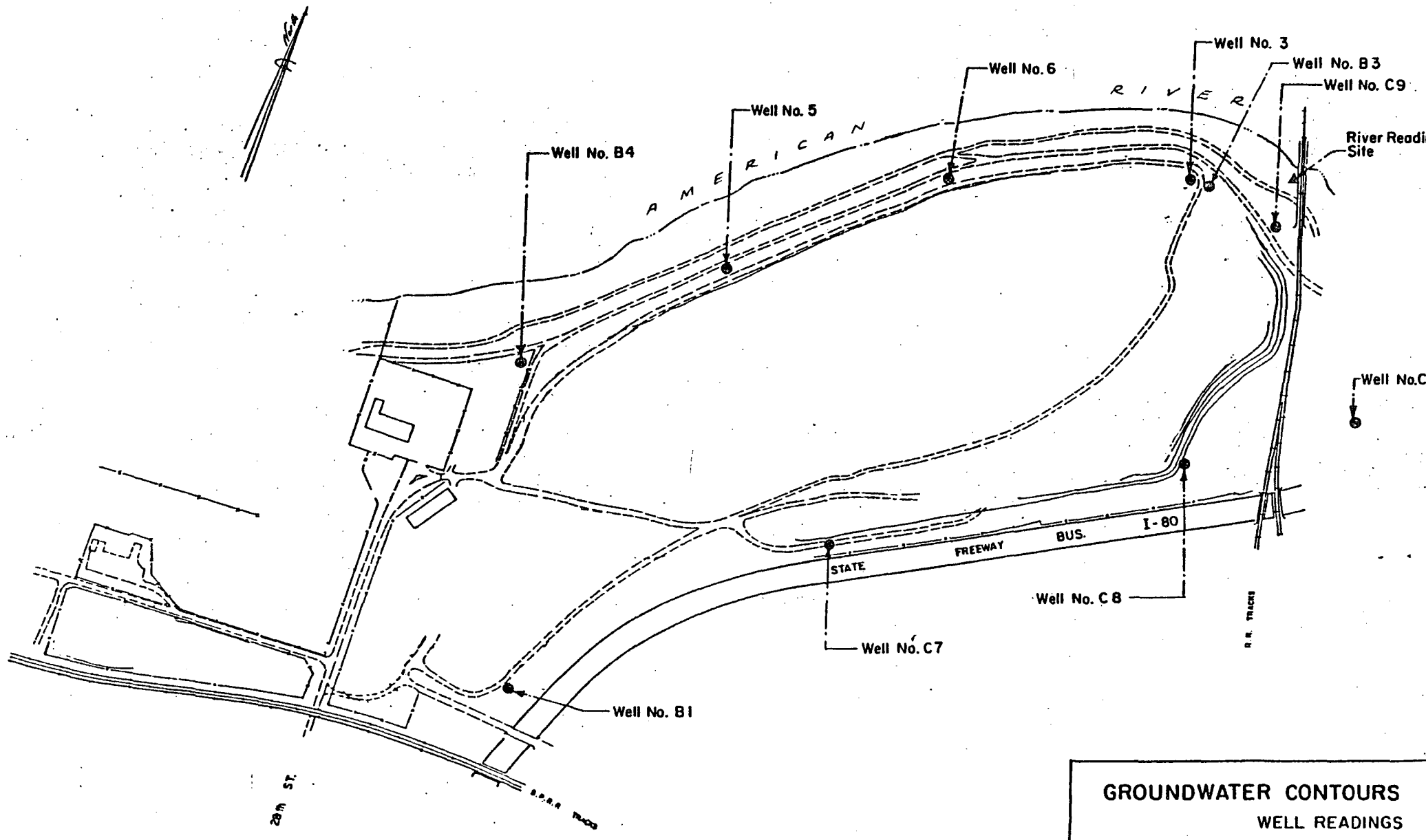
Attachments

John F. Boss
JOHN F. BOSS
Supervising Engineer
Planning and Special Projects

Approved:

Melvin H. Johnson
MELVIN H. JOHNSON
Director of Public Works

January 14, 1986
All Districts



GROUNDWATER CONTOURS
WELL READINGS

CITY OF SACRAMENTO

LANDFILL SITE
28 TH STREET

LEGEND

- Ground water elevation contour line
- - - Ground water flow direction

