

LOS ANGELES
DEPARTMENT OF WATER
AND POWER

**SUPPLEMENTAL
COMMUNITY INVOLVEMENT PLAN
FOR GROUNDWATER REMEDIATION ACTIVITIES
IN THE CITY OF LOS ANGELES**

November 2015

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1. Introduction

This Supplemental Community Involvement Plan (CIP) and outreach efforts are to communicate to Los Angeles Department of Water and Power (LADWP) customers and the general public the importance of the groundwater basins in the City and their impact on the future local water supply. The outreach is to also communicate the efforts that the LADWP are taking to ascertain the actual condition of the water supply and the efforts that are needed to clean up existing groundwater basin contamination in the San Fernando Valley, Central, and Sylmar basins.

To complete data gaps in the San Fernando Valley Groundwater Basin (SFB) and determine the extent of contamination in the Central and Sylmar Groundwater Basins, LADWP will drill additional monitoring wells in or near Atwater Village, Burbank, Pacoima, South Los Angeles, and Sylmar. Water quality data obtained from these wells will be used to characterize the contamination and to design and build groundwater remediation facilities that may be needed.

The purpose of this supplemental CIP is to keep the communities adjacent to the monitoring well sites and the general public informed by involving them in the outreach efforts. LADWP will produce and distribute public information materials that communicate clearly to the target communities, considering their history, concerns, demographics, and language needs.

This supplemental CIP is an addendum to the CIP filed in May 2015 for the San Fernando Valley Groundwater Basin Groundwater System Improvement Study described in Section 3.2

Installation of up to 16 monitoring wells will occur in some residential neighborhoods and may include disruptive, construction activities: noise, temporary loss of street parking, slight temporary increase in local traffic, and the use of heavy construction equipment. The impacts are short-term and most will be mitigated.

Long-term benefits to the City significantly outweigh the short-term impacts. Cleanup of the contaminated SFB will allow LADWP to restore access to existing groundwater storage supplies and to reduce Los Angeles' dependency on expensive imported sources of water. Water obtained from local groundwater supplies is more economical than imported water purchased from the Metropolitan Water District and is more reliable during emergencies and drought years.

Monitoring data will also provide substantiation for cost reimbursement. Programs such as the groundwater monitoring wells demonstrate LADWP's and the City's commitment to environmental stewardship and to addressing citizen concerns regarding environmental and health issues in their communities.

This supplemental CIP has been prepared in accordance with state and federal guidelines including the National Contingency Plan (NCP) 40 C.F.R. part 300; the

United States Environmental Protection Agency (USEPA) *Superfund Community Involvement Handbook (2005)* and the U.S. EPA *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (1988)*, and the State Water Resources Control Board *Public Participation At Cleanup Sites (2005)*. The CIP contains public information and outreach activities that enable LADWP to comply with the *California Department of Public Health Policy Memo 97-005*.

This supplemental CIP will be updated annually to incorporate public information or community involvement activities that will help respond to significant issues and concerns.

2. Community Involvement Activities and Information Repositories

Below is a list of community involvement activities that LADWP will perform prior to drilling the monitoring wells in order to keep the neighbors of the monitoring well sites and the general public informed of monitoring well construction.

- **Briefings to Neighborhood Councils**

There are approximately 97 neighborhood councils throughout the City of Los Angeles. LADWP will work closely with the respective councils to ensure that they are informed about the monitoring well construction activities and objectives. A list of all of the neighborhood councils can be found at <http://empowerla.org/councils/>

- **Posts on the LADWP Website**

www.ladwp.com/Remediation & www.ladwp.com/wells

The website is updated as needed and will be particularly important at the time that the draft Feasibility Study (FS) of treatment alternatives is published. Key information will be available to the public via the website, including details about the availability of the document for public review and comment. LADWP will also use the website to publicize a public meeting to discuss the results, answer questions, and receive comments.

- **Posts on Community Partners' Websites**

LADWP will request assistance from community partners to post brief updates or links on their websites.

- **Outreach to Well Site Neighbors and Responses to Calls/Inquiries**

LADWP will develop the collateral materials mentioned above primarily for use in outreach to well site neighbors. For the neighbors of proposed wells, LADWP will mail customized letters in appropriate languages (English and Spanish) and distribute fact sheets in advance of the commencement of construction within the neighborhood. Outreach will be coordinated with the office of the respective City Councilmember.

- **Community Acceptance Analysis**

LADWP will review community input, questions, and concerns and assess the community acceptance related to well drilling. This supplemental CIP will be updated to incorporate public information or community involvement activities that will help respond to significant issues and concerns.

- **Information Repositories**

The purpose of maintaining the Information Repositories is to keep the public informed of project developments as they occur, reducing the likelihood of misinformation, lack of information, or speculation. Important information regarding the SFB and made available to the public through the Repositories includes the GSIS CIP and GSIS Remedial Investigation Update Report. In an effort to keep the monitoring well sites' neighbors and the public informed, the Repositories will be updated annually. Additional Information Repositories may

be identified to better represent the monitoring well communities as new well sites are determined. The previously selected, Information Repositories are listed below.

Panorama City Public Library
14345 Roscoe Boulevard
Panorama City, CA 91402-4297
818-894-4071

City of Burbank Public Library
110 North Glenoaks Street
Burbank, CA 91502
818-238-5880

City of Glendale Public Library
222 East Harvard Street
Glendale, CA 91205
818-548-2021

City of Los Angeles Central Library
630 West 5th Street
Los Angeles, CA 90071
213-228-7200

Another Information Repository has been added to provide the Central Basin community with an opportunity to access information regarding monitoring well construction in their area.

John Muir Branch Library
1005 W. 64th Street
Los Angeles, CA 90044
Phone: (323) 789-4800

3. San Fernando Valley Groundwater Basin

3.1 Description of Groundwater Basin

The San Fernando Valley Groundwater Basin (SFB) is an aquifer, which is a geological formation containing water. The geological formation can be made up of permeable rock, sand, or gravel from which groundwater can be extracted. Depth to groundwater in the SFB varies from approximately 24 feet (ft.) to 1,200 ft. below ground surface. LADWP owns and operates eight major well fields within the SFB that provide drinking water to over 800,000 City of Los Angeles residents.

Below is a list of the SFB major Wellfields located primarily in the Eastern portion of the Basin. Figure 1 shows a map of the SFB production and monitoring wells' locations.

Erwin

Erwin Wellfield is located in North Hollywood near Victory Boulevard and Vineland Avenue. The Wellfield is comprised of two active and six inactive wells that were drilled between the years 1953 and 1955.

Headworks

Headworks Wellfield is located near Riverside Drive and the Burbank and Glendale City boundaries. The Wellfield contains 4 inactive wells, which were drilled in year 2000, but were never completed due to groundwater contamination discovered at the wells' sites.

North Hollywood

North Hollywood Wellfield is located on Vanowen Street between Coldwater Canyon and Cahuenga Boulevard. The Wellfield contains fourteen active wells, three standby, and eighteen inactive wells. These wells were drilled in a sixty year span beginning in 1924.

Pollock

Pollock Wellfield is located East of the 5 freeway, near Fletcher Drive. The Wellfield contains one inactive and two active wells that were drilled in 1957 and 1958.

Rinaldi-Toluca

Rinaldi-Toluca Wellfield is located southeast of the 170 freeway between Roscoe Boulevard and Sherman Way. The Wellfield is comprised of fifteen, active wells that were drilled between the years 1985 and 1988.

Tujunga

Tujunga Wellfield is located in North Hollywood on Tujunga Avenue and Sherman Way. The Wellfield is comprised of twelve, active wells that were drilled between the years 1989 and 1991.

Verdugo

Verdugo Wellfield is located just North of the 134 Freeway near the City boundary of North Hollywood and Burbank. The Wellfield is comprised of two active and seven inactive wells that were drilled in 1948 and 1949.

Whitnall

The Whitnall Wellfield is located in North Hollywood near Victory Boulevard, between Tujunga Avenue and Cahuenga Boulevard. The Wellfield is comprised of four active and six inactive wells that were drilled between the years 1951 and 1952.

3.2 Background on Contamination

LADWP is unable to extract its annual entitlement of approximately 87,000 acre feet per year (AFY) due to contamination. In early 2015, the Los Angeles Department of Water and Power (LADWP) completed a six year study characterizing the groundwater contamination in the SFB. Twenty-five new monitoring wells were drilled in support of the groundwater characterization. Public outreach associated with construction activities was documented in the “Groundwater System Improvement Study (GSIS) to Improve City of Los Angeles San Fernando Valley Groundwater Basin Community Involvement Plan (CIP),” filed in May 2015. The purpose of the CIP was to involve and inform the monitoring well sites’ neighbors of the monitoring well construction activities and objectives.

Groundwater basin contamination was likely caused by improper storage, handling, and disposal of hazardous chemicals used in the aircraft manufacturing industry, as well as commercial and heavy industrial activities dating back to the 1940s. LADWP is working alongside state and federal agencies to help identify potentially responsible parties.

Data acquired through the Groundwater System Improvement Study (GSIS) gave LADWP an understanding of the groundwater basin physical characteristics, nature and extent of contamination, and fate and transport characteristics. GSIS results are summarized in the “GSIS Remedial Investigation Update Report (2015),” which is also available at the Information Repositories mentioned above and at www.ladwp.com/remediation.

Although GSIS did provide significant, pertinent information in understanding the SFB, additional monitoring wells are needed to fill in data gaps.

3.3 Upcoming Activities

Up to 9 monitoring wells will be drilled in the SFB and will be located near the Wellfields listed below.

- Tujunga Wellfield – Two monitoring wells

- Pollock Wellfield – Three monitoring wells
- Headworks Wellfield – Four monitoring wells

These monitoring wells will be drilled to determine the nature and extent of the pollution, in areas of the SFB where the GSIS wells did not cover. The groundwater quality data collected will characterize the extent of trichloroethylene (TCE), 1,4 Dioxane, and other contaminants of concern (COC). TCE is primarily used as a solvent to remove grease from metal parts; 1,4 Dioxane is primarily used as stabilizer and solvent. It is also a component of some cosmetics, detergents, and shampoos.

Water samples collected from the monitoring wells will be used to assist LADWP in developing state-of-the-art groundwater basin remediation facilities. The monitoring wells are for water testing only and are not used to supply water to LADWP customers.

Updated information regarding the SFB monitoring well locations, activities, and community outreach materials can be found in Appendix A.

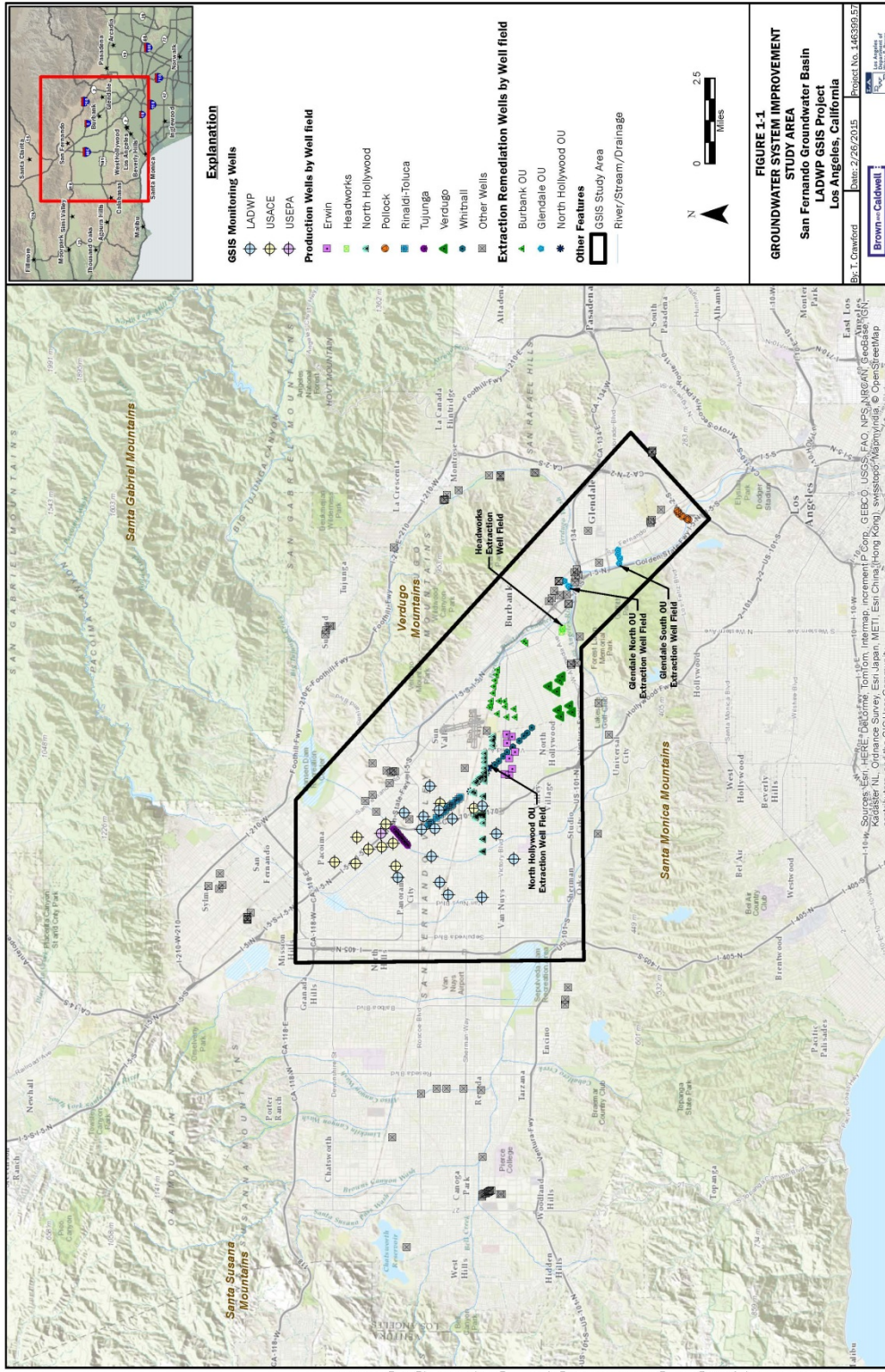


Figure 1: San Fernando Valley Groundwater Basin Production and Monitoring Wells

4. Central Basin

4.1 Description of Groundwater Basin

The Central Basin is an aquifer, which is a geological formation containing water. The geological formation can be made up of permeable rock, sand, or gravel from which groundwater can be extracted. Depth to groundwater in the Central Basin varies from approximately 14 ft. to 1,600 ft. below ground surface. LADWP owns and operates two, active wellfields in the Central Basin that provide drinking water to City of Los Angeles residents. Figure 2, which is from the Central Basin Watermaster, shows the locations of the 99th Street and Manhattan Wellfields.

99th Street

99th Street Wellfield is located near 99th Street and Wadsworth Avenue. The Wellfield is comprised of one inactive and four active wells that were drilled between the years 1974 and 2002.

Manhattan

Manhattan Wellfield is located near the intersection of Western Avenue and Gage Avenue in South Los Angeles. The Wellfield is comprised of two active and four inactive wells that were drilled between 1928 and 1974. The four inactive wells have been demolished, and four additional wells are being constructed, which are expected to be in service by late 2016.

4.2 Background on Contamination

Currently, LADWP is unable to extract its annual entitlement of 15,000 acre feet per year (AFY) due in part to well contamination and deterioration. Trichloroethylene (TCE), which is primarily used as a solvent to remove grease from metal parts, is one constituent of concern (COC) in the groundwater basin. Contamination is likely caused by improper storage, handling, and disposal of hazardous chemicals from nearby paper, aerospace, and dry cleaning companies. LADWP is working alongside state and federal agencies to help identify potentially responsible parties.

4.3 Upcoming Activities

To determine the nature and extent of the pollution, additional groundwater, monitoring wells will be installed. Up to 5 monitoring wells will be drilled near the Manhattan Well Field. These wells will provide groundwater quality data and characterize the extent of TCE and other volatile organic compounds' (VOC's) contamination. Water samples collected from the monitoring wells will be used to determine the size, type, and need for wellhead remediation facilities. The monitoring wells are for water testing only and are not used to supply water to LADWP customers.

Construction of each well is expected to last approximately three months and will involve drilling a small borehole. Several, small diameter PVC pipes will then be installed into the borehole, the borehole will be backfilled, and a maintenance lid will be placed at the ground surface.

For public safety, the sidewalk near the drill rig will be closed. The Los Angeles Department of Transportation (LADOT) will be assisting in facilitating traffic. Sound barriers will be installed to suppress the construction noise. Construction work will not affect LADWP customers' water or power service unless unforeseen circumstances require a service interruption.

Updated information regarding the Central Basin monitoring well locations, activities, and community outreach materials can be found in Appendix B.

Figure 1 - Central Basin
(showing groundwater production wells)

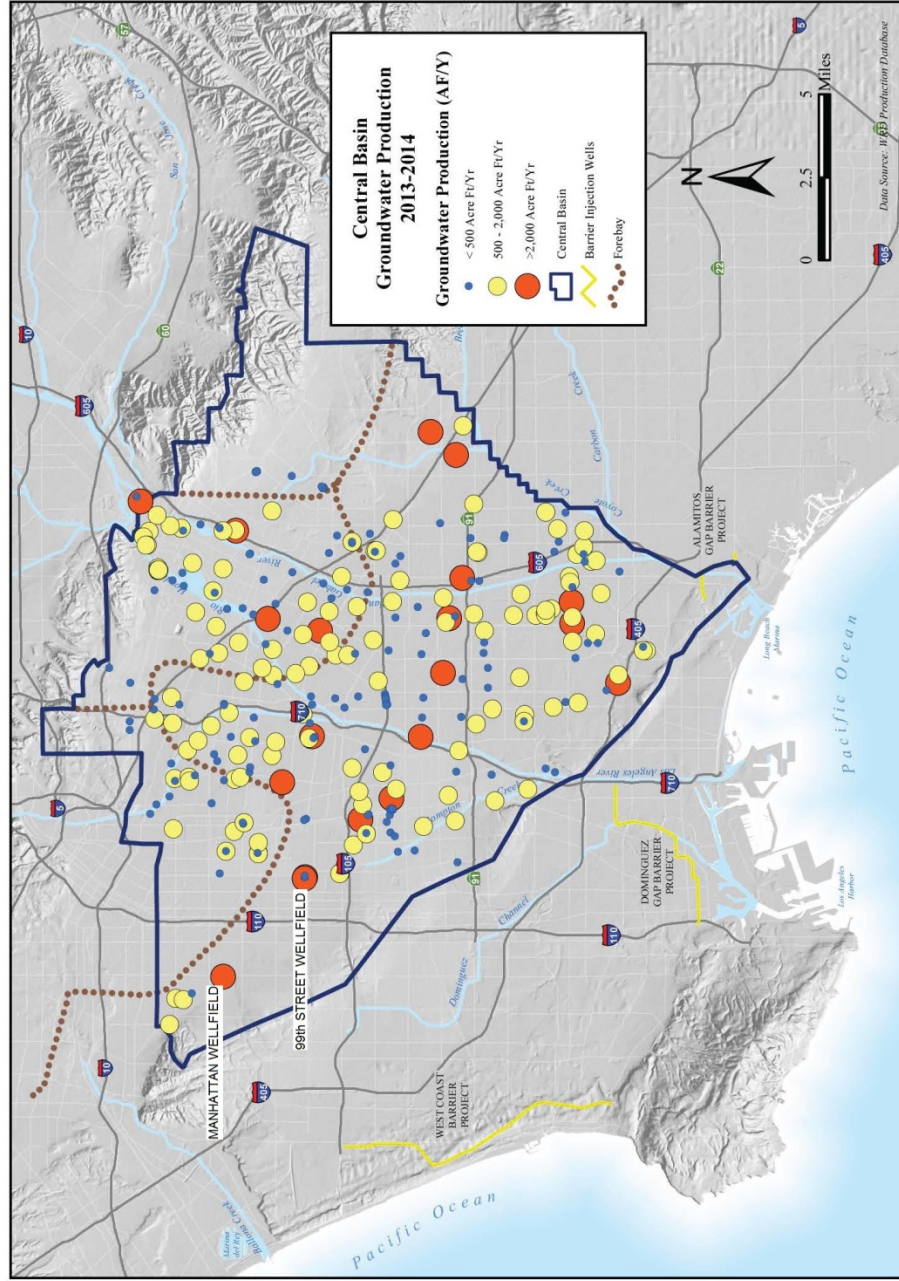


Figure 2: LADWP Central Basin Wellfield Locations

5. Sylmar Basin

5.1 Description of Groundwater Basin

The Sylmar Basin is an aquifer, which is a geological formation containing water. The geological formation can be made up of permeable rock, sand, or gravel from which groundwater can be extracted. Depth to groundwater in the Sylmar Basin varies from approximately 48 ft. to 1,000 ft. below ground surface. LADWP owns and operates Mission Wellfield in the Sylmar Basin that provides drinking water to City of Los Angeles residents. LADWP owns and operates Mission Wellfield in the Sylmar Basin, which is comprised of two active and four inactive wells. The wells were drilled between the years 1924 and 1961. The four inactive wells have been demolished; three new wells are being constructed and are expected to be in service by late 2016. Figure 3 is a map from the Upper Los Angeles River Area Watermaster (ULARA), which shows the location of the Mission Wellfield in Green.

5.2 Background on Contamination

Currently, LADWP is unable to extract its annual entitlement of 3,570 acre feet per year (AFY) due to groundwater contamination. The primary contaminants of concern include trichloroethylene (TCE), tetrachloroethylene (PCE), and other volatile organic compounds (VOCs). TCE is primarily used as a solvent to remove grease from metal parts, and a common source of PCE is discharge related to dry cleaning operations and metal degreasing processes. Contamination is likely caused by improper storage, handling, and disposal of hazardous chemicals from nearby metal shops. LADWP is working alongside state and federal agencies to help identify potentially responsible parties

5.3 Upcoming Activities

To determine the nature and extent of the pollution, approximately two additional groundwater monitoring wells will be drilled near the Mission Wellfield. These wells will provide groundwater quality data and characterize the extent of contamination. Water samples collected from the monitoring wells will be used to assist LADWP in developing effective strategies for operation of the Mission Wellfield. The monitoring wells are for water testing only and are not used to supply water to LADWP customers.

Construction of each well is expected to last approximately three months and will involve drilling a small borehole. Several, small diameter PVC pipes will then be installed into the borehole, the borehole will be backfilled, and a maintenance lid will be placed at the ground surface.

For public safety, the sidewalk near the drill rig will be closed. The Los Angeles Department of Transportation (LADOT) will be assisting in facilitating traffic. Sound barriers will be installed to suppress the construction noise. Construction work will

not affect LADWP customers' water or power service unless unforeseen circumstances require a service interruption.

Updated information regarding the Sylmar Basin monitoring well locations, activities, and community outreach materials can be found in Appendix C.

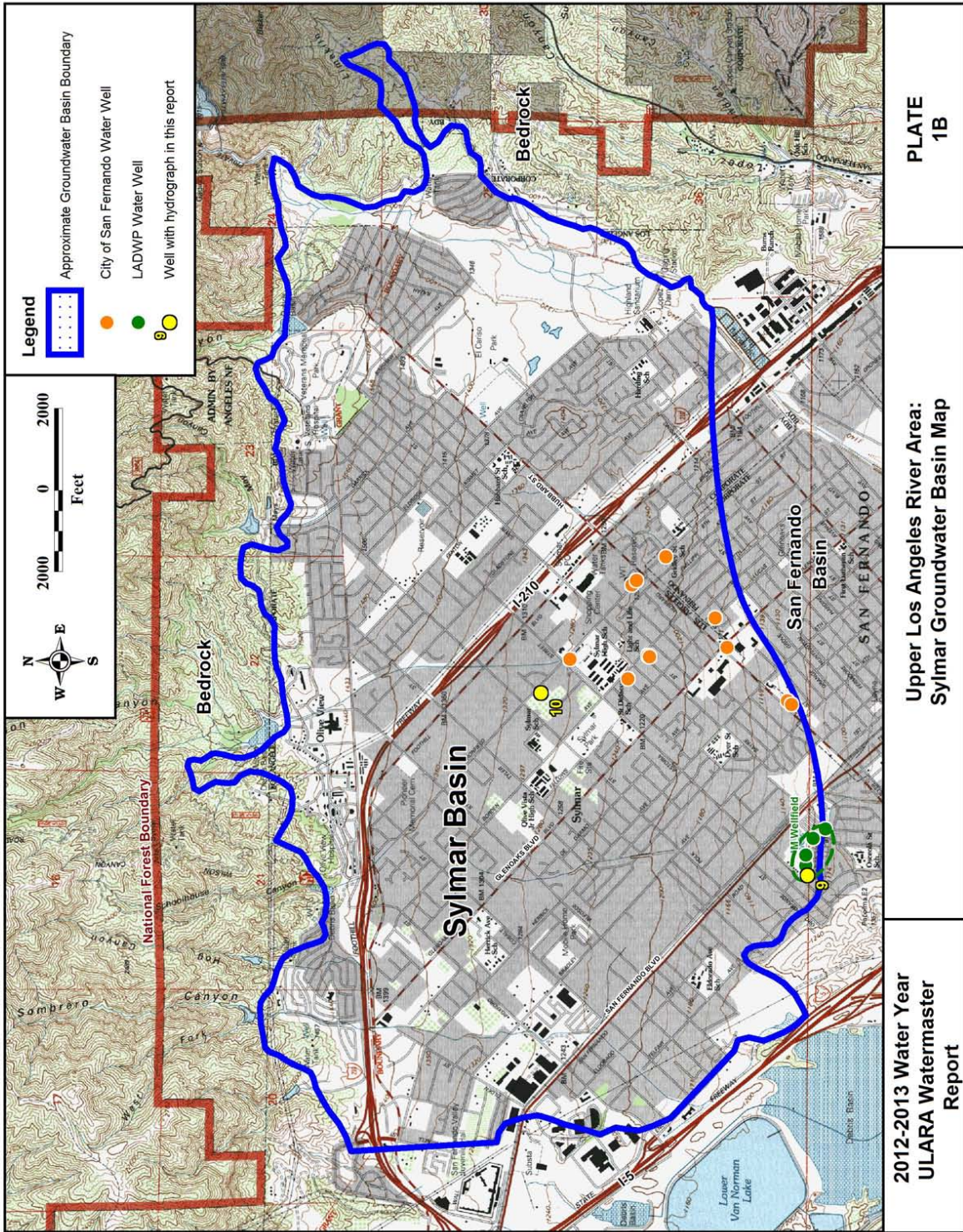


PLATE 1B

Upper Los Angeles River Area:
Sylmar Groundwater Basin Map

2012-2013 Water Year
ULARA Watermaster
Report

Figure 3: LADWP Sylmar Basin, Mission Wellfield Location

Appendices

Appendix A: San Fernando Valley Groundwater Basin Monitoring Well Summaries and Community Outreach Materials

Well Number: PA-MW-04 Location: El Dorado Ave. & Garber St.
Groundwater Basin: San Fernando Basin
 Construction Completed: October 5, 2015

Activity	Date	Notes
Site Visit		
Letters to 1,500' radius	8/5/15	Mailed - Written information about upcoming well drilling construction
Notification to Immediate Area	7/20/15	Hand delivered - Written notice of upcoming well drilling construction
Night Construction Notice		None
Media		None

Summary of Construction Inquiries -- Calls & Follow-up:

7/20/15: LADWP Community Liaison contacted Council District 7 to inform them of upcoming monitoring well construction and request a meeting; Cristina Coria, Field Deputy, and Yolanda Fuentes, District Director, replied that a meeting was not necessary.

Groundwater Monitoring Well Installation
Location: El Dorado Av. at Garber St.

July 30, 2015

Dear Valued LADWP Customer:

The Los Angeles Department of Water and Power (LADWP) will be constructing a groundwater monitoring well in your area. Construction is scheduled to begin as early as **August 6, 2015** on **El Dorado Av. just southeast of Garber St.** During construction, street parking will be restricted in the areas closest to the construction site. Construction will last approximately 3 months. Neighbors nearest to the construction site will receive additional notice 1 to 2 weeks before construction begins.

Normal working hours will be from 7:00 a.m. to 7:00 p.m., Monday through Friday, with some overnight construction required for about two days to install the well casings. Notice of the one time over-night construction will be provided in advance to the nearby residents. Efforts will be taken to reduce noise, including the use of sound control blankets and barriers. For the safety of the public, the sidewalk will be closed near the drill rig. This work will not affect your water or power service unless unforeseen circumstances require a service interruption.

The Los Angeles Department of Transportation will be assisting in facilitating traffic around the work area. Parking will be limited in the vicinity of the well construction. LADWP will coordinate construction activities to facilitate the ingress and egress needs of the neighboring properties.

This project is one of two additional monitoring wells to the 26 groundwater monitoring wells that have been constructed by LADWP in various areas of the east San Fernando Valley. These wells will be used to gather data for a comprehensive Groundwater System Improvement Study. This study will ultimately result in projects which will remove contamination from the groundwater for the betterment of the environment. This will also allow LADWP to reduce the city's reliance on imported water purchased from the Metropolitan Water District and provide Los Angeles with a more stable and reliable source of water.

We appreciate your support and understanding as we work to build a better sustainable water supply for the City of Los Angeles.

For more information:
LADWP Community Relations Office
(213) 367-1361
www.LADWP.com/wells

Instalación de Pozo de Monitoreo de Agua Subterránea
Sitio: El Dorado Av. y Garber St.

30 de Julio de 2015

Estimado Cliente de LADWP:

El Departamento de Agua y Energía de Los Ángeles (LADWP por sus siglas en inglés) va a construir un pozo de monitoreo de agua subterránea en su comunidad. La construcción está programada para comenzar tan pronto como el 6 de agosto de 2015 en El Dorado Av., al sureste de Garber St. Estacionamiento será restringido en las áreas más cercanas a la construcción. La construcción durará por un periodo de tres meses aproximadamente. Los vecinos más cercanos a la construcción recibirán un aviso adicional 1 a 2 semanas antes de la construcción.

Las horas de trabajo serán de 7:00 a.m. hasta las 7:00 p.m., de lunes a viernes. Construcción nocturna será necesaria por aproximadamente dos días para la instalar forros dentro de los pozos. Los residentes de las áreas cercanas al pozo recibirán previo aviso de la fecha de la construcción nocturna. Durante este proceso continuaremos esforzándonos para reducir el ruido utilizando mantas de control de sonido y barricadas. Por motivos de seguridad pública será necesario clausurar el uso de la acera en el área del pozo. Este proyecto no afectará su suministro de agua o electricidad a menos que circunstancias imprevistas lo requieran.

El Departamento de Transporte de Los Ángeles facilitará el acceso de tráfico en el área de construcción. Estacionamiento será limitado en la zona de construcción. LADWP coordinará sus actividades para facilitar el ingreso y egreso de vehículos a los residentes de la zona inmediata.

Este proyecto es uno de dos pozos adicionales a los 26 pozos de monitoreo de agua subterránea que han sido construidos por el LADWP en varias zonas del este del Valle de San Fernando. Estos pozos serán utilizados para obtener información para un estudio comprensivo para la mejora de aguas subterráneas en el Valle de San Fernando. Este estudio resultará últimamente en proyectos que removerán la contaminación de las aguas subterráneas para el mejoramiento del medio ambiente. Esto también permitirá a LADWP reducir la dependencia de la ciudad en aguas importadas compradas del Metropolitan Water District y proveerá a Los Angeles con un suministro de agua más estable y fiable.

Apreciamos su apoyo y su comprensión mientras trabajamos para sustentar y mejorar los suministros de agua para la Ciudad de Los Ángeles.

Para más información:
LADWP Oficina de Asuntos Comunitarios
(213) 367-1361
www.LADWP.com/wells

Well Number: PA-MW-03 Location: Sutter & Van Nuys Blvd.
Groundwater Basin: San Fernando Basin
 Construction Completed: November 23, 2015

Activity	Date	Notes
Site Visit		
Letters to 1,500' radius	8/5/15	Mailed - Written information about upcoming well drilling construction
Notification to Immediate Area	7/20/15	Hand delivered - Written notice of upcoming well drilling construction
Night Construction Notice	11/02/15	Hand delivered
Media		None

Summary of Construction Inquiries -- Calls & Follow-up:

7/20/15: LADWP Community Liaison contacted Council District 7 to inform them of upcoming monitoring well construction and request a meeting; Cristina Coria, Field Deputy, and Yolanda Fuentes, District Director, replied that a meeting was not necessary.

Groundwater Monitoring Well Installation
Location: Sutter Av. at Van Nuys Blvd.

July 30, 2015

Dear Valued LADWP Customer:

The Los Angeles Department of Water and Power (LADWP) will be constructing a groundwater monitoring well in your area. Construction is scheduled to begin as early as **August 17, 2015** on **Sutter Av. just southeast of Van Nuys Blvd.** During construction, street parking will be restricted in the areas closest to the construction site. Construction will last approximately 3 months. Neighbors nearest to the construction site will receive additional notice 1 to 2 weeks before construction begins.

Normal working hours will be from 7:00 a.m. to 7:00 p.m., Monday through Friday, with some overnight construction required for about two days to install the well casings. Notice of the one time over-night construction will be provided in advance to the nearby residents. Efforts will be taken to reduce noise, including the use of sound control blankets and barriers. For the safety of the public, the sidewalk will be closed near the drill rig. This work will not affect your water or power service unless unforeseen circumstances require a service interruption.

The Los Angeles Department of Transportation will be assisting in facilitating traffic around the work area. Parking will be limited in the vicinity of the well construction. LADWP will coordinate construction activities to facilitate the ingress and egress needs of the neighboring properties.

This project is one of two additional monitoring wells to the 26 groundwater monitoring wells that have been constructed by LADWP in various areas of the east San Fernando Valley. These wells will be used to gather data for a comprehensive Groundwater System Improvement Study. This study will ultimately result in projects which will remove contamination from the groundwater for the betterment of the environment. This will also allow LADWP to reduce the city's reliance on imported water purchased from the Metropolitan Water District and provide Los Angeles with a more stable and reliable source of water.

We appreciate your support and understanding as we work to build a better sustainable water supply for the City of Los Angeles.

For more information:
LADWP Community Relations Office
(213) 367-1361
www.LADWP.com/wells

Instalación de Pozo de Monitoreo de Agua Subterránea
Sitio: Sutter Av. y Van Nuys Blvd.

30 de Julio de 2015

Estimado Cliente de LADWP:

El Departamento de Agua y Energía de Los Ángeles (LADWP por sus siglas en inglés) va a construir un pozo de monitoreo de agua subterránea en su comunidad. La construcción está programada para comenzar tan pronto como el **17 de agosto de 2015 en Sutter Av., al sureste de Van Nuys Blvd.** Estacionamiento será restringido en las áreas más cercanas a la construcción. La construcción durará por un periodo de tres meses aproximadamente. Los vecinos más cercanos a la construcción recibirán un aviso adicional 1 a 2 semanas antes de la construcción.

Las horas de trabajo serán de 7:00 a.m. hasta las 7:00 p.m., de lunes a viernes. Construcción nocturna será necesaria por aproximadamente dos días para la instalar forros dentro de los pozos. Los residentes de las áreas cercanas al pozo recibirán previo aviso de la fecha de la construcción nocturna. Durante este proceso continuaremos esforzándonos para reducir el ruido utilizando mantas de control de sonido y barricadas. Por motivos de seguridad pública será necesario clausurar el uso de la acera en el área del pozo. Este proyecto no afectará su suministro de agua o electricidad a menos que circunstancias imprevistas lo requieran.

El Departamento de Transporte de Los Ángeles facilitará el acceso de tráfico en el área de construcción. Estacionamiento será limitado en la zona de construcción. LADWP coordinará sus actividades para facilitar el ingreso y egreso de vehículos a los residentes de la zona inmediata.

Este proyecto es uno de dos pozos adicionales a los 26 pozos de monitoreo de agua subterránea que han sido construidos por el LADWP en varias zonas del este del Valle de San Fernando. Estos pozos serán utilizados para obtener información para un estudio comprensivo para la mejora de aguas subterráneas en el Valle de San Fernando. Este estudio resultará últimamente en proyectos que removerán la contaminación de las aguas subterráneas para el mejoramiento del medio ambiente. Esto también permitirá a LADWP reducir la dependencia de la ciudad en aguas importadas compradas del Metropolitan Water District y proveerá a Los Angeles con un suministro de agua más estable y fiable.

Apreciamos su apoyo y su comprensión mientras trabajamos para sustentar y mejorar los suministros de agua para la Ciudad de Los Ángeles.

Para más información:
LADWP Oficina de Asuntos Comunitarios
(213) 367-1361
www.LADWP.com/wells



OVERNIGHT CONSTRUCTION NOTICE
Sutter Av. at Van Nuys Blvd.

October 28, 2015

Dear Valued LADWP Customer:

The Los Angeles Department of Water and Power (LADWP) will soon be arriving at a key construction phase of the groundwater monitoring well installation, which will require overnight construction. To secure the final well structure on **Sutter Ave. at Van Nuys Blvd.**, the working hours for this project will be temporarily extended to include night work for approximately 2 days, barring any unforeseen circumstances. We expect this work to begin as soon as **Thursday, November 5, 2015**, as approved by the Los Angeles Police Commission.

Daytime Work Hours: 7:00 a.m. to 7:00 p.m.
Overnight Work Hours: 7:00 p.m. to 7:00 a.m.

The overnight work hours will be used to install PVC pipes into the drilled borehole and backfill the borehole with sand and cement slurry. We will continue our efforts to reduce the noise, including the use of sound control blankets and barriers.

For questions/concerns during the overnight construction hours, contact:

7 p.m. to 11 p.m. Jim Neff, LADWP Resident Engineer, (213) 792-5937
11 p.m. to 7 a.m. Fares Botros, LADWP Resident Engineer, (213) 792-6804

This well will be used to gather data for a comprehensive Groundwater System Improvement Study. This study will ultimately result in the construction of facilities that will remove the contamination from the local groundwater to protect the environment and the public health. This program also ensures that local groundwater resources remain available to meet the needs of the City.

We appreciate your patience and support during the construction of this critical monitoring well.

**For more information:
LADWP Community Relations Office
(213) 367-1361
www.LADWP.com/wells**

Instalación de Pozo de Monitoreo de Agua Subterránea
Sitio: Sutter Av. y Van Nuys Blvd.

30 de Julio de 2015

Estimado Cliente de LADWP:

El Departamento de Agua y Energía de Los Ángeles (LADWP por sus siglas en inglés) va a construir un pozo de monitoreo de agua subterránea en su comunidad. La construcción está programada para comenzar tan pronto como el **17 de agosto de 2015 en Sutter Av., al sureste de Van Nuys Blvd.** Estacionamiento será restringido en las áreas más cercanas a la construcción. La construcción durará por un periodo de tres meses aproximadamente. Los vecinos más cercanos a la construcción recibirán un aviso adicional 1 a 2 semanas antes de la construcción.

Las horas de trabajo serán de 7:00 a.m. hasta las 7:00 p.m., de lunes a viernes. Construcción nocturna será necesaria por aproximadamente dos días para la instalar forros dentro de los pozos. Los residentes de las áreas cercanas al pozo recibirán previo aviso de la fecha de la construcción nocturna. Durante este proceso continuaremos esforzándonos para reducir el ruido utilizando mantas de control de sonido y barricadas. Por motivos de seguridad pública será necesario clausurar el uso de la acera en el área del pozo. Este proyecto no afectará su suministro de agua o electricidad a menos que circunstancias imprevistas lo requieran.

El Departamento de Transporte de Los Ángeles facilitará el acceso de tráfico en el área de construcción. Estacionamiento será limitado en la zona de construcción. LADWP coordinará sus actividades para facilitar el ingreso y egreso de vehículos a los residentes de la zona inmediata.

Este proyecto es uno de dos pozos adicionales a los 26 pozos de monitoreo de agua subterránea que han sido construidos por el LADWP en varias zonas del este del Valle de San Fernando. Estos pozos serán utilizados para obtener información para un estudio comprensivo para la mejora de aguas subterráneas en el Valle de San Fernando. Este estudio resultará últimamente en proyectos que removerán la contaminación de las aguas subterráneas para el mejoramiento del medio ambiente. Esto también permitirá a LADWP reducir la dependencia de la ciudad en aguas importadas compradas del Metropolitan Water District y proveerá a Los Angeles con un suministro de agua más estable y fiable.

Apreciamos su apoyo y su comprensión mientras trabajamos para sustentar y mejorar los suministros de agua para la Ciudad de Los Ángeles.

Para más información:
LADWP Oficina de Asuntos Comunitarios
(213) 367-1361
www.LADWP.com/wells

Appendix B: Central Basin Monitoring Well Summaries and Community Outreach Materials

Well Number: MH-MW-01 Location: St. Andrews Pl. & 62nd St.
Groundwater Basin: Central Basin
 Construction Completed: April 20, 2015

Activity	Date	Notes
Site Visit		
Letters to 1,500' radius	6/30/14	Mailed - Written information about upcoming well drilling construction
Notification to Immediate Area	6/30/14	Hand delivered - Written notice of upcoming well drilling construction
Night Construction Notice	9/19/14	Hand delivered
Media		None

Summary of Construction Inquiries -- Calls & Follow-up:

None

Construction in Your Neighborhood

Groundwater Monitoring Wells Installation

LADWP will be constructing two groundwater monitoring wells on the east side of St. Andrews Pl. between Gage and 62nd St. in Los Angeles. These wells will be constructed side by side along St. Andrews Pl. Ave and will be used to evaluate the condition of the groundwater at the same location at different depths. These monitoring wells will be used for water testing only and will not be used to supply water to LADWP customers.

What to Expect during Construction

Construction will begin as early as MONDAY, JULY 21, 2014 on the east side of St. Andrews Pl. between Gage and 62nd St. in Los Angeles.

- Construction of these wells is expected to last approximately 5 months.
- Normal working hours will be from 7:00 a.m. to 7:00 p.m., Monday through Friday, with some overnight construction required for two short periods of approximately 2 to 4 nights each to install the well casing (see Phase 2 info below). *Neighbors will be notified before the overnight construction period for each well.*
- Construction equipment will include a drill rig, support trucks, and waste storage containers placed within proximity of the monitoring well location.
- Street parking will be restricted along St. Andrews Pl. between Gage and 62nd St.
- For the safety of the public, the sidewalk will be closed near the drill rig.
- Construction will not affect your water or power service unless unforeseen circumstances require a service interruption.

Construction of each well is separated into three phases:

Phase 1: Well Drilling

Crews will set-up the construction area and begin drilling at the well site. Sound barriers will be installed to suppress the construction noise as much as possible. Traffic lanes will be restriped to allow for two-way traffic during construction.

Phase 2: Installation of Well Casing

Installation of the well casing requires continuous construction, including overnight construction, to ensure the stability of the drilled borehole.

Phase 3: Installation of Well Pumps

This is the final phase of construction. Large equipment will be removed. Smaller trucks will be utilized as crews complete the top of the well to make it flush with the ground surface. Street parking and sidewalks will be reopened to the public.



www.LADWP.com/groundwater
(213) 367-1361

Construcción en Su Vecindad

Instalación de Pozos de Monitoreo de Agua Subterránea

LADWP pronto construirá dos pozos de monitoreo de aguas subterráneas en el lado este de St. Andrews Pl. entre Gage St. y 62nd St. en Los Angeles. Estos pozos se construirán lado a lado en St. Andrews Pl. y se utilizarán para evaluar la condición del agua subterránea en un sitio a diferentes niveles de profundidad. Estos pozos de monitoreo solamente se utilizarán para muestras y no se utilizarán para servir agua a los clientes de LADWP.

Que Ocurrirá durante la Construcción

Construcción comenzará tan pronto como LUNES, el 21 de JULIO de 2014 en el lado este de St. Andrews Pl. entre Gage St. y 62nd St. in Los Angeles.

- Construcción de estos pozos durará aproximadamente 5 meses.
- Horas típicas de construcción serán de 7 a.m. a 7 p.m., lunes a viernes, con construcción de noche necesario por dos cortos periodos durante la Fase 2 para establecer el pozo. *Vecinos serán notificados antes del periodo de construcción de noche para cada pozo*
- Equipo utilizado en este proceso incluyen un equipo de perforación, camiones y recipientes de almacenamiento ubicados en las cercanías del pozo.
- Estacionamiento en St. Andrews Pl. será restringido en las entre Gage St. y 62nd St. Para la seguridad del público, se cerrará la acera cerca del equipo de perforación.
- La construcción no afectará sus servicios de electricidad y agua, a no ser que circunstancias no previstas requieran una interrupción de servicio.

La construcción de cada pozo consiste de tres fases:

Fase 1: Perforación de Pozo

Equipos se introducirán en el sitio de construcción para empezar la perforación del pozo. Se instalarán barreras de sonido para eliminar el ruido de la construcción en la medida de lo posible. Líneas de carriles serán pintadas para mantener un carril en cada sentido durante construcción.

Fase 2: Instalación del Revestimiento del Pozo

Instalación del revestimiento del pozo requiere construcción continua, incluyendo trabajo de noche, para garantizar la estabilidad de la perforación.

Fase 3: Instalación de Bomba de Pozo

Esta es la fase final de la construcción. Los equipos grandes serán removidos. Se utilizarán camiones pequeños para completar la tapa del pozo para nivelarla con la superficie de la tierra. El estacionamiento y la acera se abrirán para el público.



www.LADWP.com/groundwater
(213) 367-1361

Construction in Your Neighborhood

St. Andrews Pl. between Gage and 62nd St. in Los Angeles

Groundwater Monitoring Well Installation Summer - Fall 2014

Construction hours will be from 7 a.m. to 7 p.m., Monday through Friday, for approximately 5 months. Some overnight construction will be required. Neighbors nearest to the construction site will receive additional notice 1 to 2 weeks before construction begins.

Instalacion de Pozo de Monitoreo Verano - Otoño 2014

Horas de construcción serán de 7 a.m. a 7 p.m. de lunes a viernes por aproximadamente 5 meses. Construcción de noche será requerida temporalmente. Los vecinos más cercanos al sitio de construcción recibirán notificaciones adicionales una a dos semanas antes del comienzo de construcción.



Los Angeles Department of Water and Power

111 N. Hope St., Room 1531
Los Angeles, CA 90012

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Groundwater Monitoring Well Installation

LADWP will be constructing two groundwater monitoring wells on the east side of St. Andrews Pl. between Gage and 62nd St. in Los Angeles. The wells will be constructed side by side along St. Andrews Pl. and will be used to evaluate the condition of the groundwater at this site at different depths. Groundwater monitoring wells will be used by LADWP for water testing only and will not be used to supply water to LADWP customers.

Instalación de Pozo de Monitoreo

LADWP pronto construirá dos pozos de monitoreo de aguas subterráneas en el lado este de St. Andrews Pl. entre Gage St. y 62nd St. en Los Angeles. Los pozos serán construidos lado a lado en St. Andrews Pl. y se utilizarán para evaluar la condición del agua subterránea en este sitio a diferentes niveles de profundidad. Pozos de monitoreo de agua subterránea solamente serán utilizados por LADWP para obtener muestras de agua y no se utilizarán para servir agua a los clientes de LADWP.

More information/Más Información:
213-367-1361
www.ladwp.com/groundwater

Appendix C: Sylmar Basin Monitoring Well Summaries and Community Outreach Materials

Well Number: MI-MW-01 Location: El Dorado Ave. & Astoria
Groundwater Basin: Sylmar Basin
 Construction Completed: September 5, 2014

Activity	Date	Notes
Site Visit		
Letters to 1,500' radius	6/23/14	Mailed - Written information about upcoming well drilling construction
Notification to Immediate Area	6/23/14	Hand delivered - Written notice of upcoming well drilling construction
Night Construction Notice	8/29/14	Hand delivered
Media		None

Summary of Construction Inquiries -- Calls & Follow-up:

None

Construction in Your Neighborhood

Groundwater Monitoring Wells Installation

LADWP will be constructing two groundwater monitoring wells on the south side of El Dorado Ave, between Astoria St. and Berg St. in Sylmar. These wells will be constructed side by side along El Dorado Ave and will be used to evaluate the condition of the groundwater at the same location at different depths. These monitoring wells will be used for water testing only and will not be used to supply water to LADWP customers. Water samples may be taken from these wells on a quarterly basis.

What to Expect during Construction

Construction will begin as early as MONDAY, JULY 7, 2014 on the south side of El Dorado Ave, between Astoria St. and Berg St.

- Construction of these wells is expected to last approximately 5 months.
- Normal working hours will be from 7:00 a.m. to 7:00 p.m., Monday through Friday, with some overnight construction required for two short periods of approximately 2 to 4 nights each to install the well casing (see Phase 2 info below).
- Construction equipment will include a drill rig, support trucks, and waste storage containers placed within proximity of the monitoring well location.
- Street parking will be restricted along El Dorado Ave between Astoria Street and Berg Street. For the safety of the public, the sidewalk will be closed near the drill rig.
- Construction will not affect your water or power service unless unforeseen circumstances require a service interruption.

Construction of each well is separated into three phases:

Phase 1: Well Drilling

Crews will set-up the construction area and begin drilling at the well site. Sound barriers will be installed to suppress the construction noise as much as possible. Traffic lanes will be restriped to allow for two-way traffic during construction.

Phase 2: Installation of Well Casing

Installation of the well casing requires continuous construction, including overnight construction, to ensure the stability of the drilled borehole. Neighbors will be notified before the overnight construction period for each well.

Phase 3: Installation of Well Pumps

This is the final phase of construction. Large equipment will be removed. Smaller trucks will be utilized as crews complete the top of the well to make it flush with the ground surface. Street parking and sidewalks will be reopened to the public.



www.LADWP.com/groundwater
(213) 367-1361

Construcción en Su Vecindad

Instalación de Pozos de Monitoreo de Agua Subterránea

LADWP pronto construirá dos pozos de monitoreo de aguas subterráneas en el lado sur de El Dorado Ave, entre Astoria St. y Berg St en Sylmar. Estos pozos se construirán lado a lado en El Dorado Ave y se utilizarán para evaluar la condición del agua subterránea en un sitio a diferentes niveles de profundidad. Estos pozos de monitoreo solamente se utilizarán para muestras y no se utilizarán para servir agua a los clientes de LADWP. Se tomarán muestras de agua de estos pozos trimestralmente.

Que Ocurrirá durante la Construcción

Construcción comenzará tan pronto como LUNES, el 7 de JULIO de 2014 en el lado sur de El Dorado Ave, entre Astoria St. y Berg St.

- Construcción de estos pozos durará aproximadamente 5 meses.
- Horas típicas de construcción serán de 7 a.m. a 7 p.m., lunes a viernes, con construcción de noche necesario por dos cortos periodos durante la Fase 2 para establecer el pozo.
- Equipo utilizado en este proceso incluyen un equipo de perforación, camiones y recipientes de almacenamiento ubicados en las cercanías del pozo.
- Estacionamiento en El Dorado Ave. será restringido en las entre Astoria Street y Berg Street. Para la seguridad del público, se cerrará la acera cerca del equipo de perforación.
- La construcción no afectará sus servicios de electricidad y agua, a no ser que circunstancias no previstas requieran una interrupción de servicio.

La construcción de cada pozo consiste de tres fases:

Fase 1: Perforación de Pozo

Equipos se introducirán en el sitio de construcción para empezar la perforación del pozo. Se instalarán barreras de sonido para eliminar el ruido de la construcción en la medida de lo posible. Líneas de carriles serán pintadas para mantener un carril en cada sentido durante construcción.



Fase 2: Instalación del Revestimiento del Pozo

Instalación del revestimiento del pozo requiere construcción continua, incluyendo trabajo de noche, para garantizar la estabilidad de la perforación. Vecinos serán notificados antes del periodo de construcción de noche para cada pozo.

Fase 3: Instalación de Bomba de Pozo

Esta es la fase final de la construcción. Los equipos grandes serán removidos. Se utilizarán camiones pequeños para completar la tapa del pozo para nivelarla con la superficie de la tierra. El estacionamiento y la acera se abrirán para el público.

www.LADWP.com/groundwater
(213) 367-1361

OVERNIGHT CONSTRUCTION NOTICE

El Dorado Ave. between Berg St and Astoria St. in Sylmar

The Los Angeles Department of Water and Power (LADWP) will soon be arriving at a key construction phase of the groundwater monitoring well installations, which will require overnight construction. To secure the first of the two well structures under construction on El Dorado Ave. between Berg St and Astoria St., the working hours for this project will be temporarily extended to include night work. The stability of the well requires continuous construction while the well casing is installed.

Construction Hours

Overnight work is expected to begin as soon as **TUESDAY, SEPTEMBER 2, 2014**, as approved by the Los Angeles Police Commission, and is expected to continue for approximately two nights, barring any unforeseen circumstances.

Regular Construction: 7 a.m. to 7 p.m.
Overnight Construction: 7 p.m. to 7 a.m.

Contact Information

LADWP staff will be available to respond to questions or concerns during overnight construction hours from 7 p.m. to 7 a.m.

Wednesday, September 3
Dana Taylor (213) 792-5925

Thursday, September 4
Jonathan Villanueva (213) 792-3504

Project Information

The two groundwater monitoring wells currently under construction will be used to evaluate the condition of the groundwater at this site at different depths. Groundwater monitoring wells will be used by LADWP for water testing only and will not be used to supply water to LADWP customers. A second occasion of overnight work will be required to secure the second well at this site and additional notifications will be provided in advance of that work.

We appreciate your patience and support during the construction of the monitoring wells.

For more information, visit www.LADWP.com/groundwater.

AVISO DE CONSTRUCCION DE NOCHE

El Dorado Ave. entre Berg St and Astoria St.

El Departamento de Agua y Energía de Los Angeles (LADWP) pronto llegará a una fase crítica en la construcción de los pozos de monitoreo de aguas subterráneas que requerirá construcción de noche. Para garantizar la estabilidad del primero de los dos pozos bajo construcción en El Dorado Ave. entre Berg St and Astoria St., las horas de trabajo para este proyecto se extenderán temporalmente para incluir el trabajo de noche. La estabilidad del pozo requiere construcción continua mientras se instala el vestimento del pozo.

Horas de Construcción

La construcción de noche empezará tan pronto como el **MARTES, 2 de SEPTIEMBRE de 2014**, de acuerdo con la aprobación de la Comisión de la Policía, y se anticipa que continuará por dos noches, impidiendo circunstancias imprevistas.

Construcción Regular: 7 a.m. a 7 p.m.

Construcción de Noche: 7 p.m. a 7 a.m.

Información de Contacto

Personal de LADWP estarán disponibles para responder a preguntas durante la construcción de noche de 7 p.m. y 7 a.m.

Miércoles, 3 de septiembre:
Dana Taylor (213) 792-5925

Jueves, 4 de septiembre:
Jonathan Villanueva (213) 792-3504

Información del Proyecto

Los pozos de monitoreo de aguas subterráneas que están bajo construcción serán usadas para evaluar la condición del agua subterránea a diferentes niveles. Los pozos de monitoreo de aguas subterráneas serán usados por LADWP solamente para el análisis de agua y no serán usadas para suministrar agua a nuestros clientes. Una segunda ocasión de trabajo de noche será necesaria para el segundo pozo y notificaciones adicionales serán proveídos a los vecinos de antemano.

Apreciamos su paciencia y apoyo durante la construcción de estos pozos de monitoreo.

Para más información, visite www.LADWP.com/groundwater.

Well Number: MI-MW-02 Location: San Fernando Road & Polk St.
Groundwater Basin: Sylmar Basin
 Construction Completed:

Activity	Date	Notes
Site Visit		
Letters to 1,500' radius		Mailed - Written information about upcoming well drilling construction
Notification to Immediate Area	11/18/15	Hand delivered - Written notice of upcoming well drilling construction
Night Construction Notice		Hand delivered
Media		None

Summary of Construction Inquiries -- Calls & Follow-up:

None as of November 30, 2015

Construction in Your Neighborhood

Groundwater Monitoring Well Installation

LADWP will be constructing one groundwater monitoring well on the south side of San Fernando Road (north of the rail road), south of Polk St. in Sylmar. This well will be used to evaluate the condition of the groundwater at different depths. This monitoring well will be used for water testing only and will not be used to supply water to LADWP customers. Water samples will be taken from these wells on a quarterly basis.

What to Expect during Construction

Construction will begin as early as TUESDAY, NOVEMBER 10, 2015

- Construction of these wells is expected to last approximately three months.
- Normal working hours will be from 7:00 a.m. to 7:00 p.m., Monday through Friday, with some overnight construction required for two short periods of approximately 2 to 4 nights each to install the well casing (see Phase 2 info below).
- Construction equipment will include a drill rig, support trucks, and waste storage containers placed within proximity of the monitoring well location.
- Street parking will be restricted along San Fernando Rd. south Polk St. For the safety of the public, the sidewalk will be closed near the drill rig.
- Construction will not affect your water or power service unless unforeseen circumstances require a service interruption.

Construction of each well is separated into three phases:

Phase 1: Well Drilling

Crews will set-up the construction area and begin drilling at the well site. Sound barriers will be installed to suppress the construction noise as much as possible. Traffic lanes will be restriped to allow for two-way traffic during construction.

Phase 2: Installation of Well Casing

Installation of the well casing requires continuous construction, including overnight construction, to ensure the stability of the drilled borehole. Neighbors will be notified before the overnight construction period for each well.

Phase 3: Installation of Well Pumps

This is the final phase of construction. Large equipment will be removed. Smaller trucks will be utilized as crews complete the top of the well to make it flush with the ground surface. Street parking and sidewalks will be reopened to the public.



www.LADWP.com/groundwater
(213) 367-1361

Construcción en Su Vecindad

Instalación de Pozo de Monitoreo de Agua Subterránea

LADWP pronto construirá un pozo de monitoreo de aguas subterráneas en San Fernando Rd. (al norte de la línea de ferrocarril), al sur de Polk St. en Sylmar. Este pozo se utilizará para evaluar la condición del agua subterránea a diferentes niveles de profundidad. Este pozo de monitoreo solamente se utilizará para muestras y no se utilizará para servir agua a los clientes de LADWP. Se tomarán muestras de agua de este pozo trimestralmente.

Que Ocurrirá durante la Construcción

Construcción comenzará tan pronto como MARTES, 10 de NOVIEMBRE, de 2015.

- Construcción de estos pozos durará aproximadamente tres meses.
- Horas típicas de construcción serán de 7 a.m. a 7 p.m., lunes a viernes, con construcción de noche necesario por dos cortos períodos durante la Fase 2 para establecer el pozo.
- Equipo utilizado en este proceso incluyen un equipo de perforación, camiones y recipientes de almacenamiento ubicados en las cercanías del pozo.
- Estacionamiento en San Fernando Rd. será restringido al sur de Polk St. Para la seguridad del público, se cerrará la acera cerca del equipo de perforación.
- La construcción no afectará sus servicios de electricidad y agua, a no ser que circunstancias no previstas requieran una interrupción de servicio.

La construcción de cada pozo consiste de tres fases:

Fase 1: Perforación de Pozo

Equipos se introducirán en el sitio de construcción para empezar la perforación del pozo. Se instalarán barreras de sonido para eliminar el ruido de la construcción en la medida de lo posible. Líneas de carriles serán pintadas para mantener un carril en cada sentido durante construcción.

Fase 2: Instalación del Revestimiento del Pozo

Instalación del revestimiento del pozo requiere construcción continua, incluyendo trabajo de noche, para garantizar la estabilidad de la perforación. Vecinos serán notificados antes del periodo de construcción de noche para cada pozo.

Fase 3: Instalación de Bomba de Pozo

Esta es la fase final de la construcción. Los equipos grandes serán removidos. Se utilizarán camiones pequeños para completar la tapa del pozo para nivelarla con la superficie de la tierra. El estacionamiento y la acera se abrirán para el público.



www.LADWP.com/groundwater
(213) 367-1361