

Sacramento County Water Agency

Phase 1A - Arden Service Area Distribution System Pipe Realignment and Meter Installation Project

October 3, 2017



DEPARTMENT OF WATER RESOURCES
SACRAMENTO COUNTY
WATER AGENCY

Presentation Overview

- * Background and Location
- * Pipe Realignment Plan
- * Meter Installation and Service Reconnection
- * Metered Rates and Discounts
- * Outreach and Schedule
- * Construction Impacts
- * Webpage
- * Questions

Arden Service Area Project Background

- * Existing pipe in project area is undersized for current fire flow regulations.
- * Existing infrastructure is nearing the end of expected service life.
- * Install new water meters to meet State (AB 2572) requirements by January 2025.

Project Location

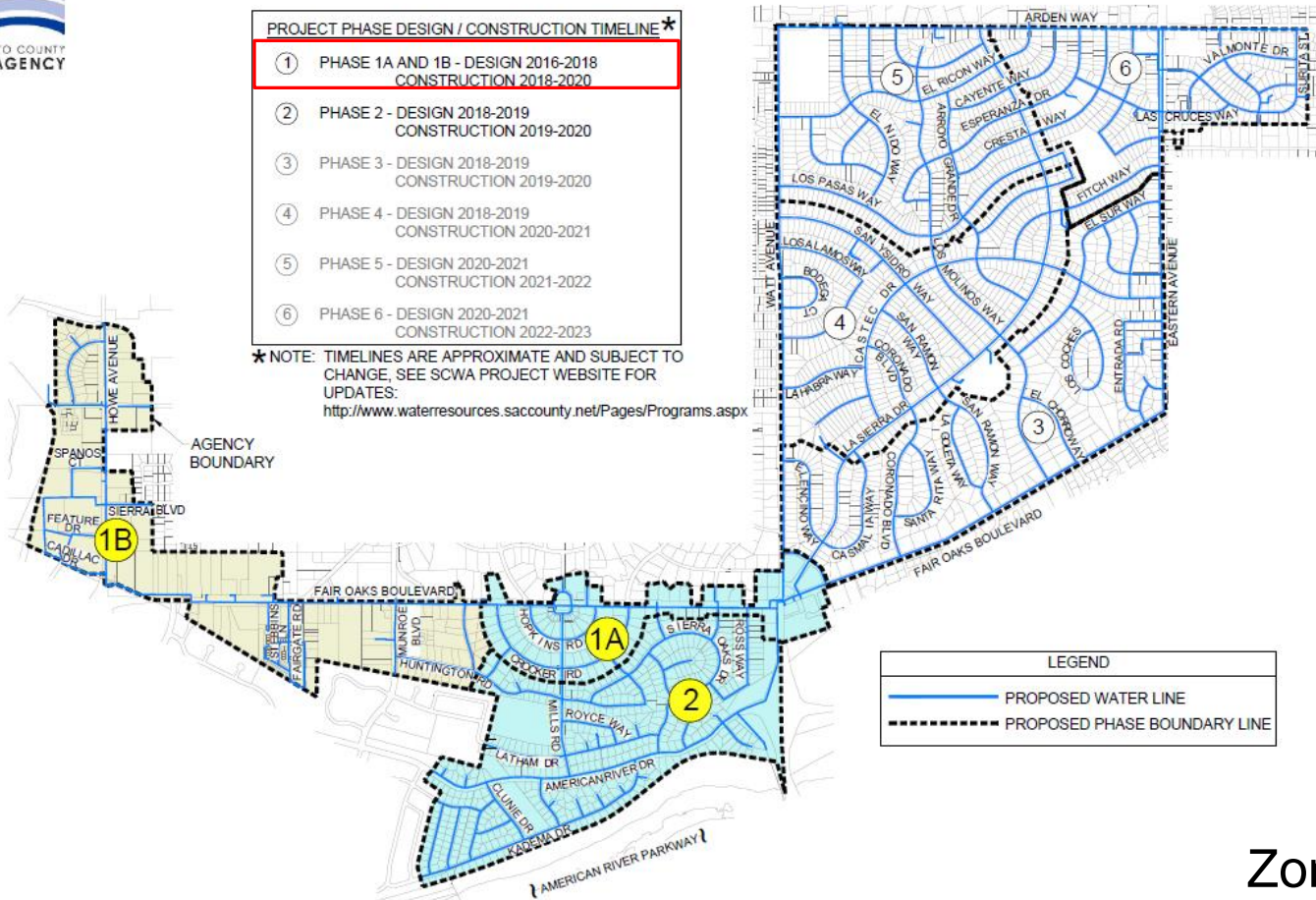


SACRAMENTO COUNTY WATER AGENCY ARDEN SERVICE AREA

DISTRIBUTION SYSTEM PIPE REALIGNMENT AND METER INSTALLATION PROJECT

PROJECT PHASE DESIGN / CONSTRUCTION TIMELINE*	
①	PHASE 1A AND 1B - DESIGN 2016-2018 CONSTRUCTION 2018-2020
②	PHASE 2 - DESIGN 2018-2019 CONSTRUCTION 2019-2020
③	PHASE 3 - DESIGN 2018-2019 CONSTRUCTION 2019-2020
④	PHASE 4 - DESIGN 2018-2019 CONSTRUCTION 2020-2021
⑤	PHASE 5 - DESIGN 2020-2021 CONSTRUCTION 2021-2022
⑥	PHASE 6 - DESIGN 2020-2021 CONSTRUCTION 2022-2023

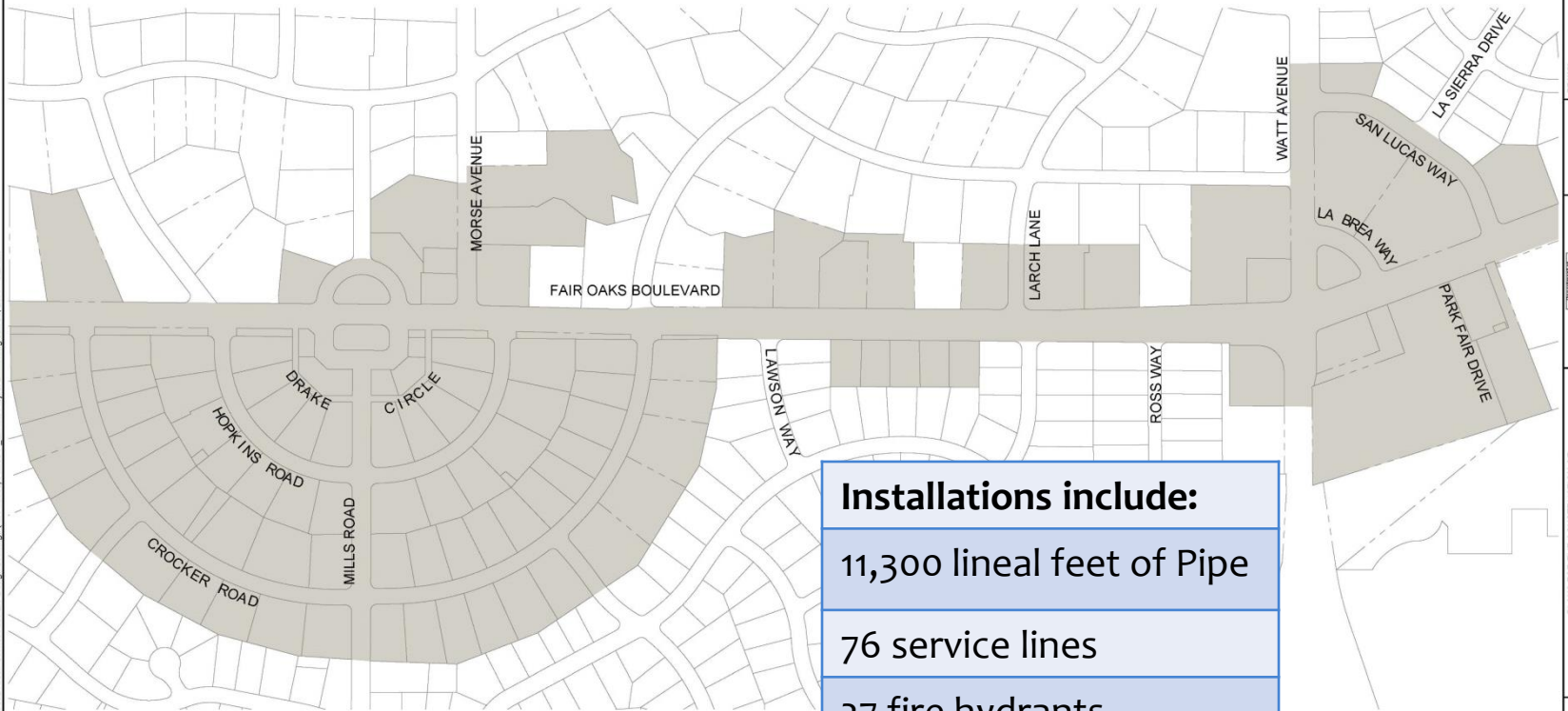
*NOTE: TIMELINES ARE APPROXIMATE AND SUBJECT TO CHANGE, SEE SCWA PROJECT WEBSITE FOR UPDATES:
<http://www.waterresources.sacounty.net/Pages/Programs.aspx>



Zone 41

Phase 1A Location

SCWA ARDEN SERVICE AREA PHASE 1A PROJECT LIMITS



- Installations include:**
- 11,300 lineal feet of Pipe
- 76 service lines
- 27 fire hydrants

Pipeline Realignment Plan

- * Relocate pipeline from backyard PUE to street ROW (where applicable)
- * Install new pipeline to meet State standards for separation from sewer and drainage facilities
- * Upgrade pipeline and hydrants to meet fire flow standards



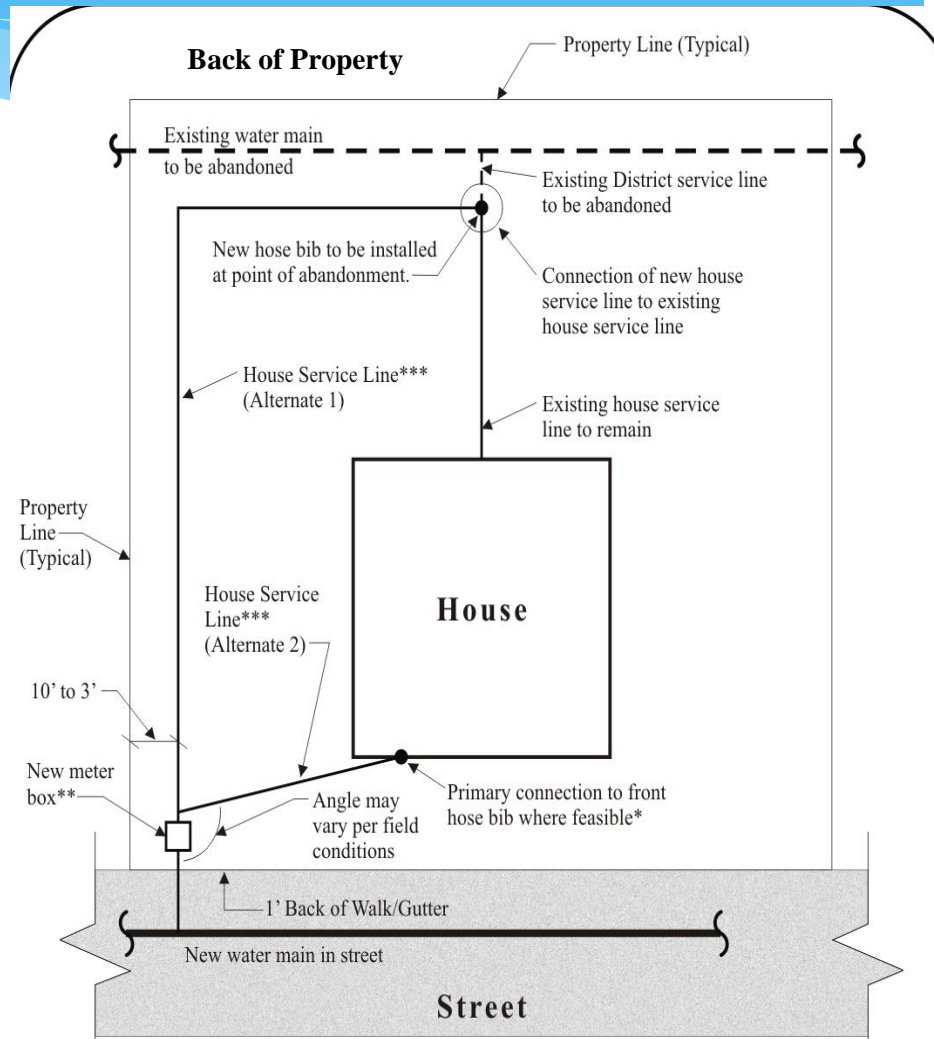
Meter Installation and Service Reconnection

- * All properties that do not currently have a meter will receive one.
- * Any property with a domestic well or a commercial property, will require a backflow device.
- * Meter boxes should be fully accessible at all times.



Meter Installation and Service Reconnection

- * Meter box location will be determined with property owner input.
- * If existing main is in street ROW, the existing service will be reconnected in the property's front yard.
- * If existing main is in the backyard, additional property surveys will be completed with property owner for new service reconnection.



Meter Location Property Surveys

- * Residents will be contacted to review location of new meter box
- * If not home at the time a door hanger will be left with contact information to set up an appointment
- * Important information:
 - * Fire sprinklers – existing or planned
 - * Water softener or other
 - * Any plans that could affect work

**SCWA ARDEN SERVICE AREA – MAIN REPLACEMENT PHASE 1
SERVICE LOCATION SHEET**

LEGEND

M WATER METER **⊗** CORP STOP

⊗ BACKFLOW DEVICE **★** POINT OF CONNECTION

— SERVICE LINE

PROPERTY LINES SHOWN HERE ARE APPROXIMATE

SIZE OF WATER TAP
 3/4" 1" OTHER: _____

BACKFLOW DEVICE
 YES SIZE: _____ NO

WATER SOFTENER?
 YES NO UNKNOWN

INSTANT WATER HEATER?
 YES NO UNKNOWN

HYDRANT LOCATION DOG ON PROPERTY

OWNER TENANT

FOR USE DURING CONSTRUCTION

PRESSURE ● HOSE BIB: _____

STATIC PRESSURE (p.s.i.): _____

RESIDUAL PRESSURE (p.s.i.): _____

DATED CHECKED: _____

KEY MAP

Notes (property type, obstructions such as structures, trees, or concrete walkways, any other important info): **INSTALL NEW SERVICE/METER BOX APPROXIMATELY 4' NORTH OF DRIVEWAY, IN FRONT OF FENCE. INSTALL NEW IN-TRACT AND CONNECT TO EXISTING 3/4" HOSE-BIB ON EAST FACE OF HOUSE NEAR PLANTER AREA.**

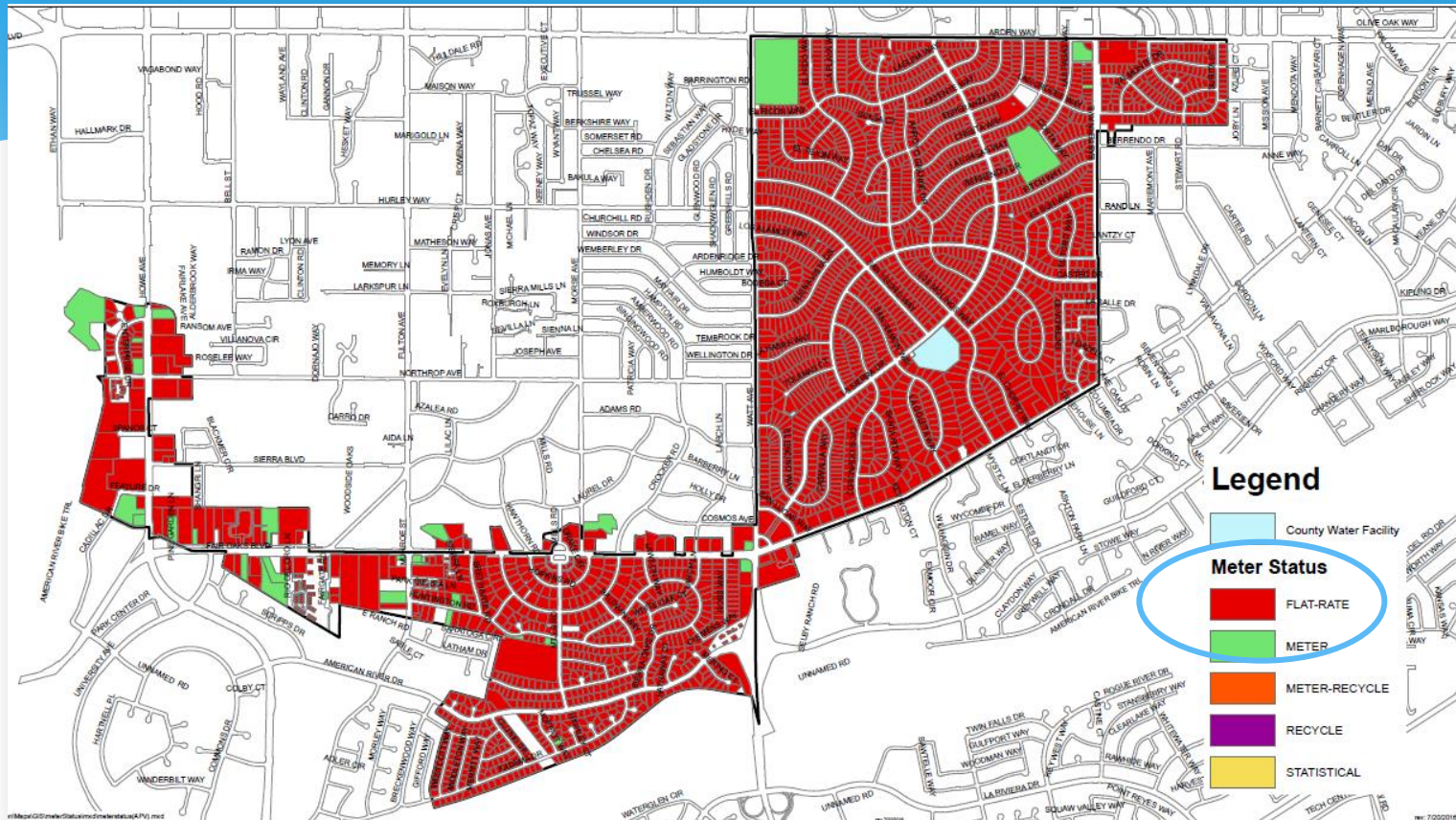
EXAMPLE METER SHEET

Picture File: _____ 1st Attempt: _____
 APN: _____ 2nd Attempt: _____
 New Service Size: _____ 3rd Attempt: _____
 Old Service Loc.: _____ _____

Landowner Signature: _____ Contact Number: _____ Date: _____

Sacramento County Water Agency	ADDRESS: 441 LARCH LANE	
827 7th Street, Room 301	SCALE: 1"=40'	
Sacramento, CA 95814	DATE: 8-15-18	DWG NAME: METER SHEETS LARCH LANE.DWG
PH: (916) 874-6851		

Metered Rates



- * Flat rate will continue for one year after meter is activated.
- * First year of bills will show both meter and flat rate uses for comparison.

Example Bill with Statistical Metering

WATER SERVICE DETAIL FOR PARCEL

Service Type : Flat

Service Dates : From 12/08/2016 To 02/07/2017 BILLING DAYS 62



RESIDENTIAL	130.66
SACRAMENTO COUNTY WATER AGENCY	130.66
Total Water Charge For Parcel	130.66

STATISTICAL METER READINGS--NOT BILLED--FOR CUSTOMER COMPARISON

<u>Prior Meter Read</u>	<u>Current Meter Read</u>	<u>Cubic feet</u>	<u>Gallons</u>
1,888	5,207	3,319	24,828
Usage	<u>Days Billed</u>	<u>Gallons</u>	<u>Gallons Per Day</u>
This Period	64	24,828	388
METERED WATER CHARGES - NOT BILLED			117.79
(FOR CUSTOMER COMPARISON INFORMATION ONLY)			

Metered vs Flat Rate Billing

Description based on Monthly <u>Metered</u> Charges	Amount
Residential Service Charge (assumes 1-inch meter)	\$13.80
Usage Charge* = $(\$1.53 / 748 \text{ gallons}) \times (\text{gallons used}) \times (30 \text{ days/month})$ *assumes 499 gallons per day are used in household	\$31.00
Capital Development Fee for Zone 41	\$0.00
Average Monthly Bill	\$44.80

Description based on Monthly <u>Flat Rate</u> Charges	Amount
Current Flat Rate	\$44.54

****** Charges are subject to change with future rate increases

Discounts for Water Conservation

- * Customers using 1,400 or fewer cubic feet (10,472 gallons) per two month billing cycle receive 20% discount.
- * Customers using 1,401 to 3,000 cubic feet (10,473 to 22,441 gallons) per two month billing cycle receive a 10% discount.

Project Outreach and Schedule

Timeline



- * You will be notified as construction progresses.
- * Door Hangers
- * Social Media
- * Website
- * Public Meetings (if needed)

Department of Water Resources
Michael L. Peterson, Director



Including service to the Cities of
Elk Grove and Rancho Cordova

January 30, 2017

Dear Sacramento County Water Agency Customer:

The Sacramento County Water Agency (SCWA) will be installing water meters in your community. In 2004, the State Legislature passed Assembly Bill 2572, requiring the installation of a water meter by January 1, 2025, as a condition of water service from all water suppliers. To comply with this mandate, SCWA has initiated a multi-phased water meter installation program. The aged and undersized water mains located in the Arden Service Area (ASA) has facilitated pipe material failure and leaks, insufficient fire flows, and various issues for operations and maintenance. The Arden Service Area Distribution System Pipe Realignment and Meter Installation Project (Project) will abandon old pipelines located in backyards, install approximately 38 miles of new distribution pipelines within the street right-of-way, install nearly 3000 new meters, and replace or install new fire hydrants. Implementing this project in your area will help 1) improve reliability 2) meet current fire flow requirements 3) meet pipeline separation standards and 4) lower operation and maintenance costs.

Due to the complexity and size of this Project, the service area has been separated into tentative phases for construction over the next seven years (see phasing map attached). We are currently designing our first phase (Phase 1A), with the assistance from our contracted engineering consultant, Domenichelli & Associates (D&A). Construction for Phase 1A is anticipated in late 2017 or early 2018, therefore, D&A will begin performing site evaluations (at each home and business) to determine the best location for the meter box. All D&A representatives requiring access to your property and that are working with SCWA will have a badge with a photo I.D. The D&A representative will have an exhibit of your property, to take key notes detailing the conversation concerning your meter. Any concerns with landscape features and preferred areas to avoid should be relayed to D&A. The notes from the exhibit will be incorporated into the design plans to help minimize landscape and paving disturbances during construction, to the extent practicable. An invitation for a public meeting concerning the project will arrive by mail as we approach work in your specific area.

After the meter is installed, you will be placed on a one-year "statistical metering" program. This program is designed to determine your water usage and bill rate. You will be billed by

The brochure is titled 'Water Meter Infrastructure Installation Plan' and is from the Department of Water Resources, Sacramento County Water Agency. It contains the following sections:

- Where will the water meter be installed on my property?** Explains that the meter must connect to existing or new water pipes, a site visit will occur during the design phase, and water meters are installed where water first enters the property. A diagram shows the meter location relative to the water main and service pipe.
- How will my lawn look afterwards?** States that when a home is constructed, utility easements are established along the street. A construction crew will re-laid sod the same day the meter is installed. Areas that cannot be re-laid will be replaced with new sod. Improvements over the course of many years, such as RV pads or landscaping, will be made to return the area to its pre-construction condition. 'Before' and 'after' photos will be taken to ensure the pre-construction condition is fully restored.
- All final restrictions will require the meter box to be exposed for access purposes.** The homeowner shall not cover, disguise, impede access or remove the meter box and assembly at the location it is installed. It is imperative that the meter box is fully exposed for access purposes.
- Give us a call!** SCWA is doing its part to ensure a reliable, high-quality water supply—now and into the future. SCWA follows the Water Forum best management practices—a comprehensive set of water efficiency programs including implementing activities like metered water billing. For more information on the Water Agency's water use efficiency programs, please call 311.

Contact information at the bottom: Sacramento County Water Agency (916) 874-6851, 827 7th Street, Rm 301 Sacramento, CA 95814, www.scwa.net

Construction Impact Overview:

- * Traffic
- * Noise
- * Private Property
- * Meter Installation
- * Existing Pipeline Abandonments
- * Final Roadway Restoration

Construction Impact

Traffic

- * EXPECT DELAYS
- * Contractor will maintain access to residents
- * Short detours may be necessary
- * Watch for signs
- * Construction equipment ingress/egress
- * May be multiple crews working throughout the project



Construction Impact



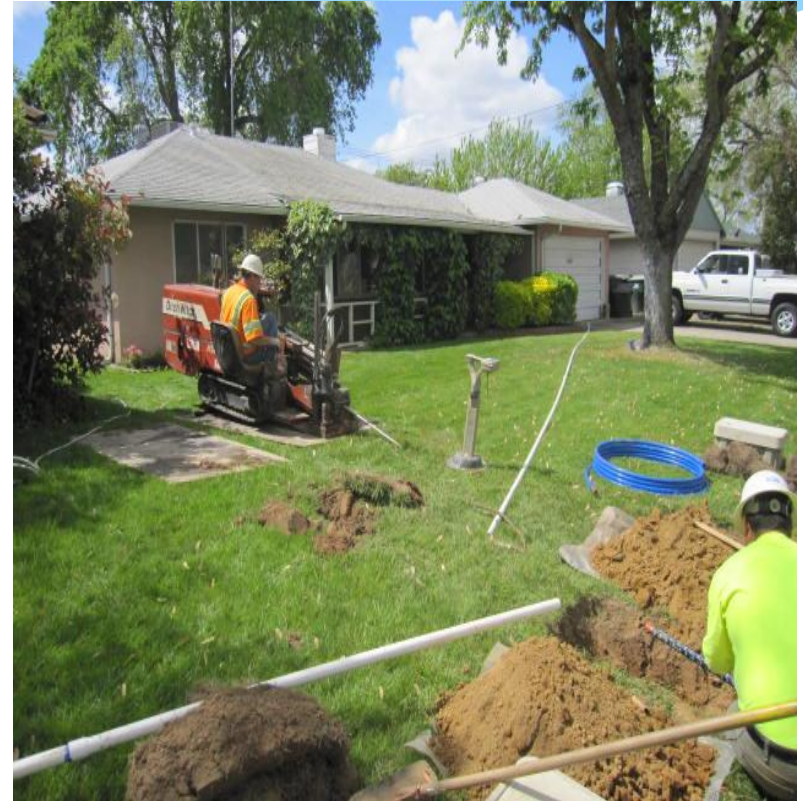
- * Traffic
 - * Garbage and delivery services will remain the same
- * Noise
 - * Hours from 7:30am to 5pm (residential)
 - * Construction equipment throughout the project
- * Tree Trimming
 - * May be necessary in the roadway for access
- * Existing Pipeline Abandonments
 - * May take place on private property
 - * Right of Entry Agreement

Construction Impact Private Property

- * Meter location sheet will identify meter placement and reconnection to property
 - * Letters have been sent to properties that we were not able to make contact with
 - * If you are in Phase 1A and have not had a meter location survey please let us know ASAP
- * Contractor will be on property multiple times
- * Short shutdowns of water service will be necessary
- * Will provide advance notice for all property access and shutdowns

Construction Impact Private Property

- * Brush and Landscape Clearing may be necessary
- * Property will be restored to as near pre-construction conditions as practical
- * Landscape restoration will follow closely with installation



Construction Impact

Final Roadway Restoration

- * Varying pavement conditions exist through out project
- * Temporary pavement will be identified on the trench and maintained
- * Pavement will be restored per Sacramento County DOT Standards
- * SCWA is currently in discussions with SacDOT regarding a pavement restoration agreement.



Project Webpage

Visit the Agency's website for updates on progress:

* <http://www.scwa.net>

➤ Projects

➤ Current Projects

➤ Arden Service Area Distribution System Pipe Realignment and Meter Installation Project

The screenshot shows the Sacramento County Water Resources website. The header includes the Sacramento County logo, navigation links for Live/Visit, Business, Government, and Select Language, and a search bar. The main navigation bar lists links for Storm Ready, Sacramento County Water Agency, Stormwater Utility, Rates & Fees, Resources, and About/Contact. The main content area features the project title, logos for the Department of Water Resources and D&A Civil Engineering, a background section with project details, an updates section, and a map of the Arden Service Area Phase 1A project limits.

Water Resources

Arden Service Area Distribution System Pipe Realignment And Meter Installation Project

Department of Water Resources | **D&A CIVIL ENGINEERING**

Background

In 2004, the State Legislature passed Assembly Bill 2572, requiring the installation of water meters by January 1, 2025, as a condition of water service from all water suppliers. To comply with this mandate, SCWA has initiated a multi-phased water meter installation program. The aged and undersized water mains located in the Arden Service Area (ASA) has facilitated pipe material failure and leaks, insufficient fire flows, and various issues for operations and maintenance. The Arden Service Area Distribution System Pipe Realignment and Meter Installation Project (Project) will abandon old pipelines located in backyards, install approximately 38 miles of new distribution pipelines within the street right-of-way, install nearly 3000 new meters, and replace or install new fire hydrants. Implementing this project will help:

- > improve reliability
- > meet current fire flow requirements
- > meet pipeline separation standards; and
- > lower operation and maintenance costs.

Updates

In early February, letters with an overview of the project and a water meter information pamphlet will be mailed out to all SCWA customers. Shortly after, SCWA will have its contracted consultant, Domenichelli & Associates, Inc. (D&A), begin to refine the design in Phase 1A, by making site evaluations. A representative from D&A, properly identified with a badge, will visit each property to determine the best location for the meter box.

[First Notification Letter to ASA Customer_013017.pdf](#)
[SCWA Water Meter Infrastructure Implementation Plan Pamphlet_021016.pdf](#)

Site Evaluations for Streets in Phase 1A:

Drakes Circle, Hopkins Rd, Crocker Rd, Morse Avenue, Fair Oaks Blvd, Watt Ave San Lucas Way and La Brea Way.

**SCWA ARDEN SERVICE AREA
PHASE 1A PROJECT LIMITS**



Questions?

Contact information: Helen Rocha
ArdenServiceMeters@saccounty.net
(916)874-3070