Project Summary for the SoCalGas Line 2000 Fault Isolation Brea Project, Yorba Linda, CA

Overview

This proposed Project Line 2000 valve automation is part of SoCalGas' Pipeline Safety Enhancement Plan (PSEP) that was created as required by the California Public Utility Commission (CPUC) Decision *Determining Maximum Allowable Operating Pressure Methodology and Requiring Filing of Natural Gas Transmission Pipeline Replacement or Testing Implementation Plans* (Decision, or D.11-06-017). In the Decision, the Commission "orders all California natural gas transmission operators to develop and file for Commission consideration A Natural Gas Transmission Pipeline Comprehensive Pressure Testing Implementation Plan (Implementation Plan)." The Commission directed pipeline operators to address the installation of "automated or remote-controlled shut-off valves" in their proposed implementation plans. In response to this directive, SoCalGas submitted a Valve Enhancement Plan as part of their PSEP. The Valve Enhancement Plan works in concert with PSEP's pipeline testing and replacement plan to enhance system safety by augmenting existing valve infrastructure to accelerate SoCalGas ability identify, isolate, and contain escaping gas in the event of a pipeline rupture.

Project Location and Description

The Project is located at the intersection of Lavender Drive and Valley View Circle in Yorba Linda, Orange County, California. The Project would occur on two, contiguously located parcels located at the southeast intersection of Lavender Drive and Valley View Circle in Yorba Linda, Orange County, California (Assessor Parcel Number [APN]: 322-291-48 and 322-291-47). The properties currently include no buildings. Existing features include a paved path and small-scale utility-related infrastructure.

The Project would involve the installation of an automated mainline valve on SoCalGas' Line 2000 at the intersection of Lavender Road and Valley View Circle. Automating the mainline valve would require the installation of a 30-inch ball valve, actuator in vault, line break panel, SCADA panel, electric meter panel, and low-profile antenna. The Project includes one work area located at the northeast corner of Lavender Road and Valley View Circle that measures approximately 120 feet (ft.) by 100 ft. The project would include three (3) excavation areas with the following approximate measurements: 25 ft. by 20 ft.

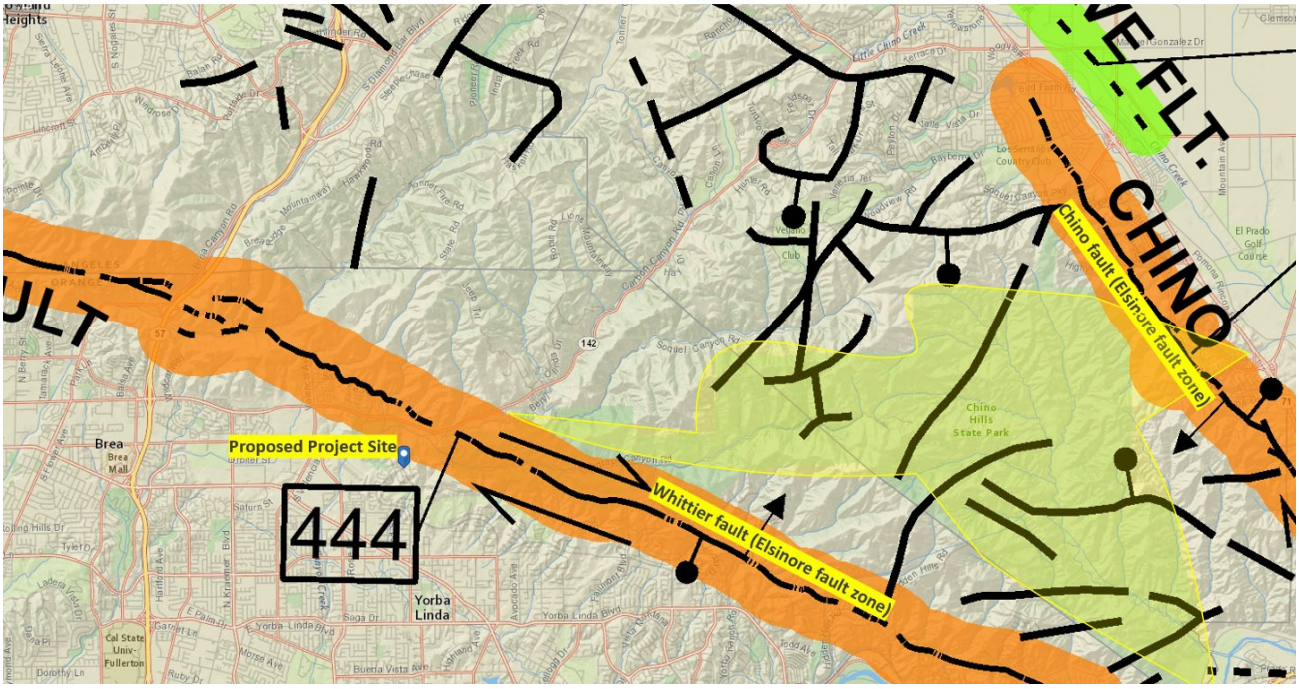
at a depth of 12 ft., 16 ft. by 8 ft. at a depth of 14 ft. and 20 ft. at a depth of 3 ft. The Project necessitates on a non-exclusive easement from the city.

Project Background

In response to 2010 incident in San Bruno, California, SoCalGas has been directed to install new valves that operate automatically or via remote-control in addition SoCalGas has committed to the California Public Utilities Commission (CPUC) to install new valves located within 5-miles of near fault lines causing geological threats (exhibit A). This installation shall occur outside of The Metropolitan Water District of Southern California (MWD) property.

Exhibit A

California Department of Conservation | Publish Regional Geological Maps



Site Selection

In the site selection for the installation of this new valve Line 2000 automation project, SoCalGas explored and made extensive efforts for this site to take place within The Chino Hills State Park. However, since The Chino Hills State Park is home to endangered species The State of California would not allow the land access needed for this scope of work. The State of California therefore asked to locate the Project site outside of the state park.

SoCalGas then identified three (3) locations within 5-miles of the near fault line that was outside of the

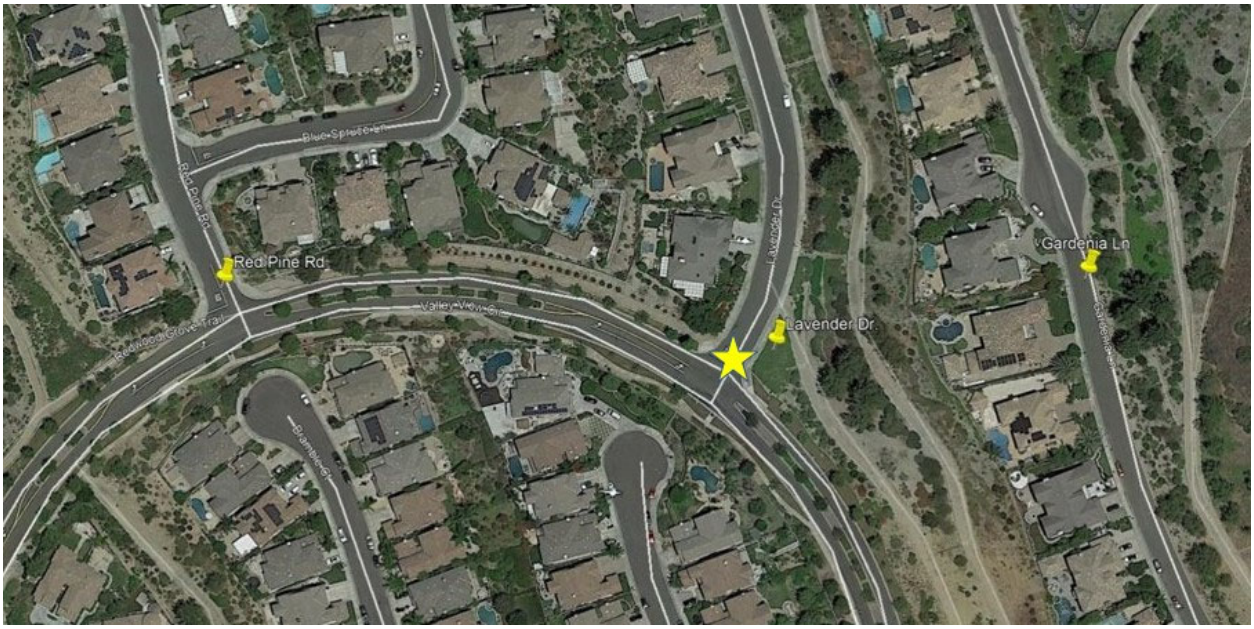
water district and The Chino Hills State Park properties in Yorba Linda. The three (3) locations, Valley View Circle/ Lavender Drive, Valley View Circle/ Red Pine Road and Gardenia Lane (exhibit B) were presented to the City of Yorba Linda on February 13, 2020, for consideration.

Through detailed site and envrionmental analysis it was discovered that Valley View Circle/ Red Pine Road had constructability concerns, as the grade was too step to safely execute construction.

It was determined that the project site considered at Gardenia Lane would be the greatest residential disturbance and impact, therefore not an option.

Although all three locations were near residents, the Valley View Circle/ Lavender Drive was preferred as it offered the least amount of residential disturbance and selected for the project location.

Exhibit B



Site Restoration

In coordination with The City of Yorba Linda, SoCalGas will be replacing and installing new landscaping to beautify the project site and its surroundings (exhibit C and D). Site beautification will consist of replacing the existing grass and low-profile shrubs with a low-maintenance ground covering, California-native plants, and other plants of different heights and colors (exhibit E) to reduce any visible footprint of SoCalGas' equipment and to complement the surrounding landscaping. Additionally, SoCalGas will install an approximate 4 ft. retaining wall, which is to be located behind the SoCalGas equipment, that runs parallel to Valley View Circle. The retaining wall is required for SoCalGas maintenance and vehicular accessibility purposes. The retaining wall is to be constructed using Turf Stone as

recommended by The City of Yorba Linda. This stone will provide an improved aesthetic to the corner of Valley View Circle and Lavender Drive.

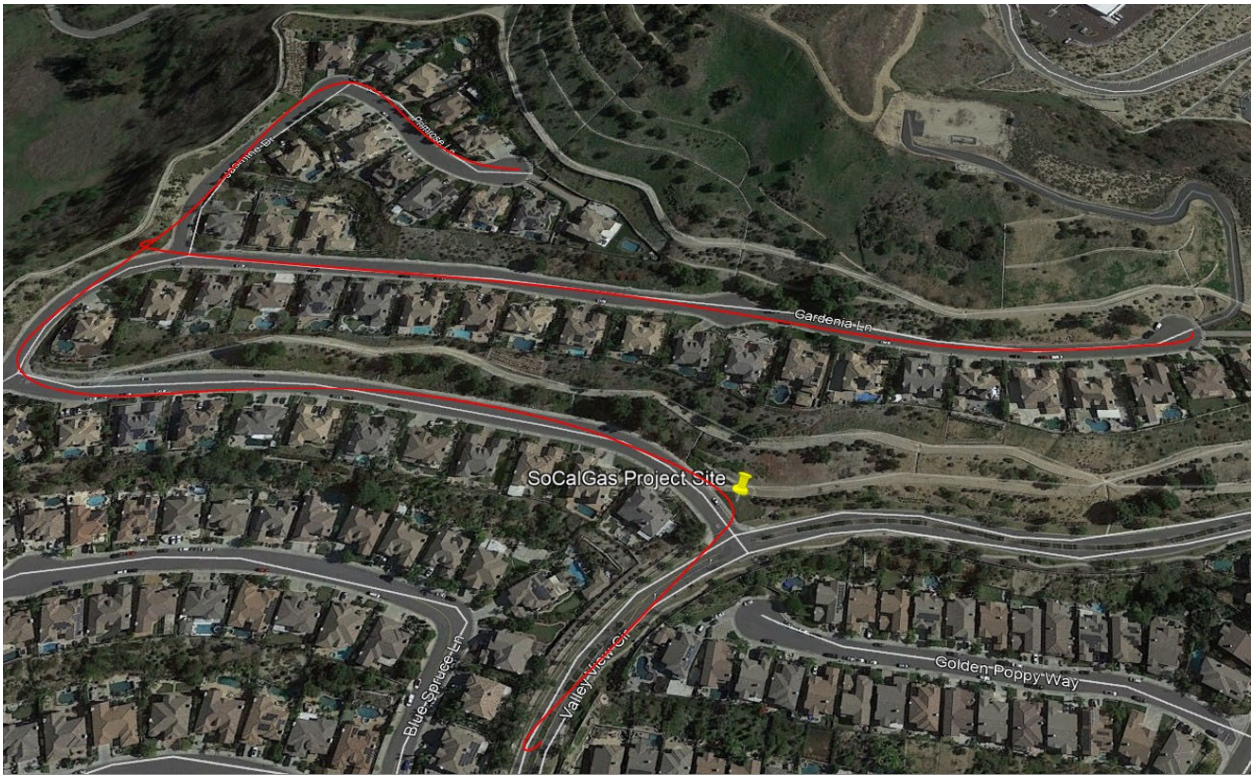
Community Outreach

SoCalGas is committed to maintaining the infrastructure needed to provide its customers with safest and most reliable energy services. Although the work required to maintain and upgrade gas pipelines are sometimes located near residents, extensive measures are taken to ensure little-to-no interruption and/or inconvenience. It is expected to have some heavy equipment within the work area and construction noise from the equipment and crews. SoCalGas' Outreach Department is committed to create a positive customer experience by informing residents, canvassing in nearby and affected areas, and work closely with the CBO's, HOAs and Neighborhood Councils.

Project Notification

SoCalGas will mail pre-construction notification to the Residents along Lavender Drive, Gardenia Lane, Jasmine Way, Primrose Lane, and any other residents within 500 ft. radius (exhibit F) two (2) weeks prior to the start of construction.

Exhibit F



An example of what is to be sent to the residents attached as Exhibit G.

In addition to the Community Education and Outreach Project Manager contact information, SoCalGas will provide a Project Line Information phone number to address any of the resident's questions or concerns.

Construction Schedule

The duration for the work as listed in Project Location and Description is projected to take 41-days to complete the mechanical work, and 16-days to complete the electrical work, for a total of 57-working days not accounting for delays due to severe weather. Working days are based on a Monday through Friday, 8-hour day work schedule, omitting federally observed holidays. Construction would commence on October 21, 2021.

Attachments

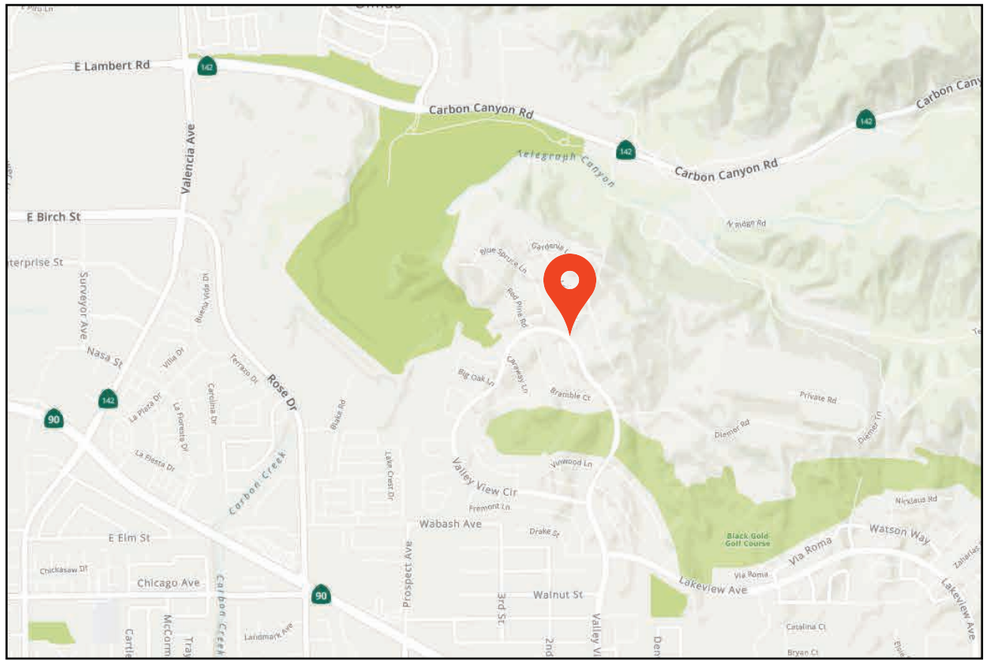
- **Exhibit C** – Photo Simulation Valley View Circle
- **Exhibit D** – Photo Simulation Lavender Drive
- **Exhibit E** – SoCalGas Lavender Renovations Proposed Planting Notes
- **Exhibit G** - Line 2000 Valve Automation Project Outreach Notification Sample Letter

Exhibit C

Photo Simulation Valley View Circle

Valley View Circle & Lavender Drive

Photo Simulation



Location Map

GPS Coordinates: 33.913835, -117.829957

Proposed View

Existing View

Applicant

SoCalGas

A Sempra Energy utility

Consultant

Sun Engineering Services, Inc.

5405 Garden Grove Blvd., Suite 300

Westminster, CA 92683 (714) 379-2300

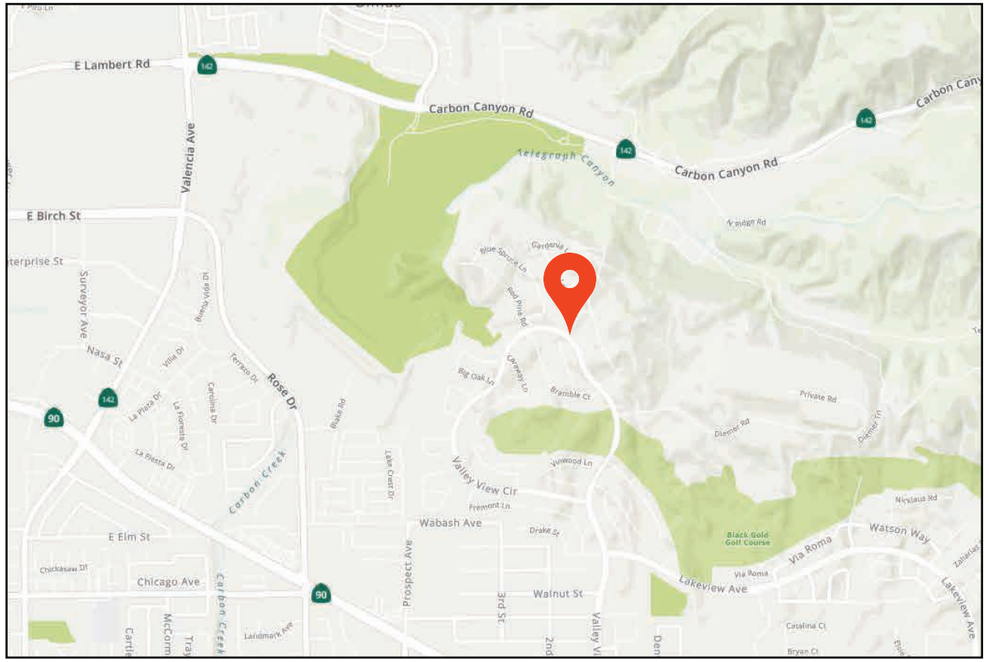
PHOTOSIM (REV. 8/19/21)

Exhibit D

Photo Simulation Lavender Drive

Valley View Circle & Lavender Drive

Photo Simulation



Location Map

GPS Coordinates: 33.913835, -117.829957

Proposed View

Existing View

Applicant

SoCalGas

A Sempra Energy utility

Consultant

Sun Engineering Services, Inc.

5405 Garden Grove Blvd., Suite 300

Westminster, CA 92683 (714) 379-2300

Exhibit E

SoCalGas Lavender Renovations Proposed Planting Notes

CITY of YORBA LINDA

Socal Gas Lavender Renovations

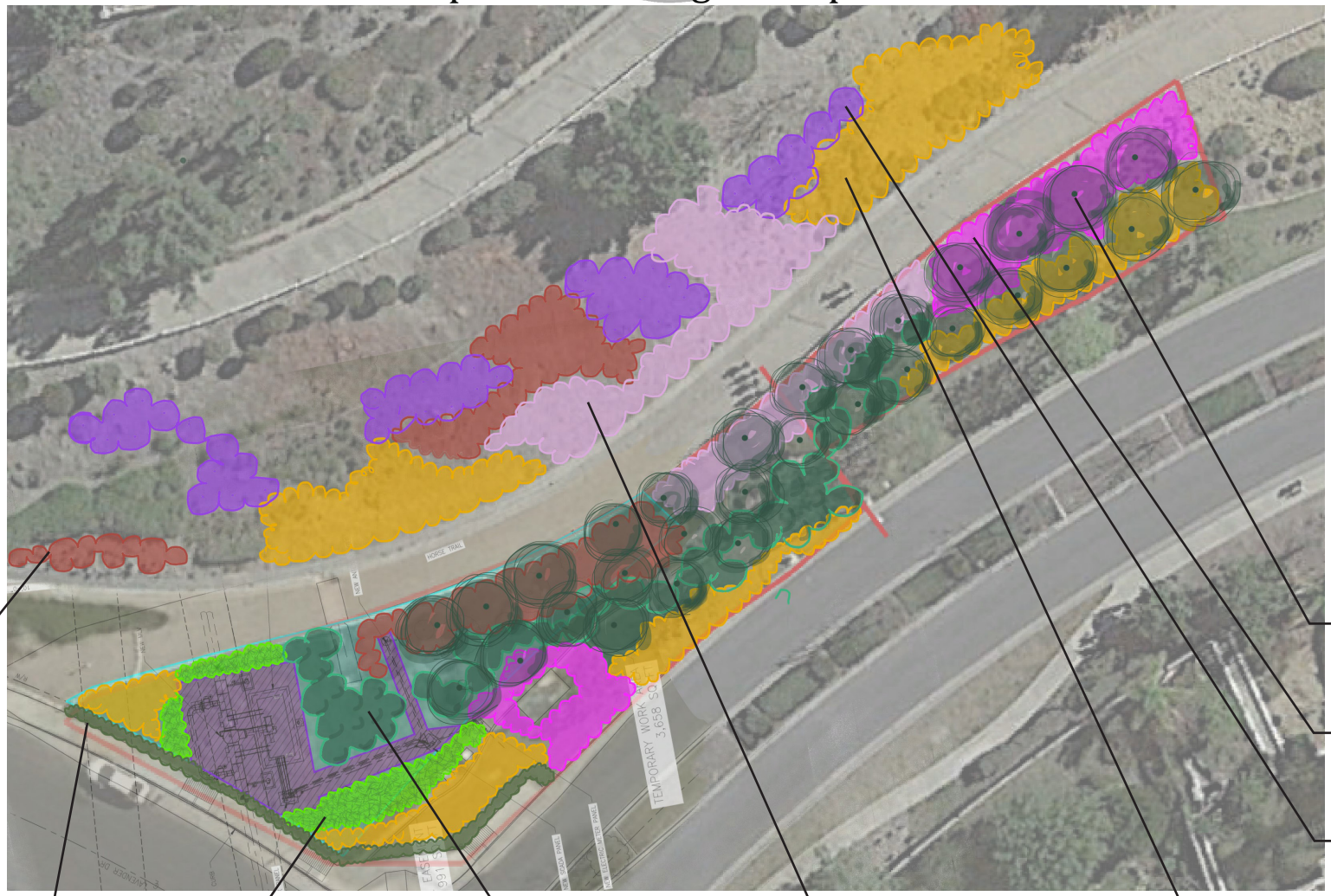
Existing Irrigation Area

Images provided are meant as a basic representation of what we intend to suggest. Plant material colorations, bloom periods, size and type may change depending upon availability, time of season, and final design layout.

Rev. 2021-07-20

CITY of YORBA LINDA

Socal Gas Lavender Renovations
Proposed Planting Concept Plan



Arbutus/Chilopsis

Bougainvillea 'La Jolla'

Lavatera bipinatta

Pyracantha 'Graeberii'

Carissa/Dianella

Lomandra 'Breeze'

Heteromeles arbutifolia

Leucophyllum 'Texas Ranger'

Lantana 'New Gold'

Images provided are meant as a basic representation of what we intend to suggest. Plant material colorations, bloom periods, size and type may change depending upon availability, time of season, and final design layout.

Rev. 2021-07-20

CITY of YORBA LINDA

Socal Gas Lavender Renovations

Proposed Planting Notes

Notes:
- Utility clearances to be determined in the field. Construct Decomposed Granite pads with steel edging for access.
- All plants to be installed per City details and specifications.
- Irrigation to be converted to waterwise point-source emission per City approval.

Preliminary Plant Palette - subject to availability and changes in design requirements

Lower slope:
15 - 36” box Arbutus ‘Marina’ multi-trunk form
15 - 36” box Chilopsis ‘Lucretia Hamilton’
50 - 5g Leucophyllum ‘Texas Ranger’
50 - 5g Pyracantha ‘Graeberii’
150 - 5g Lantana ‘New Gold’
50 - 15g Heteromeles arbutifolia
100 - 5g Bougainvillea ‘La Jolla’
80 - 5g Lomandra ‘Breeze’
125 - 1g Carissa ‘Emerald Carpet’
100 - 1g Dianella variegata

Upper slope:
50 - 15g Lavatera bipinata
75 - 5g Pyracantha ‘Graeberi’
100 - 5g Lantana ‘New Gold’
150 - 5g Leucophyllum ‘Texas Ranger’

Images provided are meant as a basic representation of what we intend to suggest. Plant material colorations, bloom periods, size and type may change depending upon availability, time of season, and final design layout.

Exhibit G

Line 2000 Valve Automation project outreach notification sample letter

August 11, 2021

Learn more at
SoCalGas.com/ConstructionProjects

Current Occupant
[Address]
[City], CA, [ZIP]

Dear Neighbor,

We understand this is a challenging time for us all. Rest assured; your natural gas service will still be there for your community. SoCalGas continues to perform work needed to maintain our infrastructure so we can continue to provide you with safe and reliable energy services.

Natural gas is critical to providing an affordable and reliable energy source for heating and cooking to homes and businesses. We will be in your neighborhood soon to work on a section of our natural gas pipelines. We are dedicated to maintaining the safety and integrity of our natural gas system.

Estimated start date:	August 23, 2021
Duration of work:	Approximately 6 weeks (permitting weather and other factors)
Work hours:	Monday through Friday, 7 a.m. – 3:30 p.m.
Work area:	SoCalGas Facility along Birch Street

What to expect

- Trucks and heavy equipment will be in the area
- Construction noise from equipment and crews
- Excavation and pipeline work will be conducted in sections

Your natural gas service should continue without interruption. If that changes, a SoCalGas representative will notify you.

Sincerely,
Aaron Ortiz
Outreach Project Manager
714-397-9054
aortiz2@socalgas.com

We believe every Californian deserves a clean, affordable, & reliable energy future. That's why we're building the cleanest, safest, most innovative energy company in America.

$9 billion
Investment in system safety & reliability enhancements planned for 2020 — 2024

To learn more about our Clean Energy projects, visit **SoCalGas.com/Clean-Energy**

L1013 MP – Brea Station