

Pure Water San Diego
Phase 1 Working Groups
Clairemont and Bay Park/Morena Working Groups
Meeting #6

Aug. 4, 2021

Purpose of this **Working Group Meeting**

- **Share project updates, including upcoming activities for the Morena Pump Station project**
- **Meet the Pump Station Construction Contractor: Flatiron**
- **Discuss future information distribution plans**
- **Honor your involvement in the Bay Park/Morena and Clairemont Working Groups**

- 1. Introductions**
- 2. Meeting Participation Guidelines**
- 3. Pure Water Program Update and Phase 1 Schedule**
- 4. Morena Pump Station Project Overview & Upcoming Activities**
- 5. Contractor Introduction: Flatiron**
- 6. Lookahead to Morena Southern and Morena Middle**
- 7. Plans for Future Information Distribution**
- 8. Working Group Member Recognition**
- 9. Closing and Next Steps**

Project Team Introductions (Speakers)

- **Andrea Demich, Assistant Deputy Director, Pure Water Program**
- **Steve Lindsay, Senior Construction Engineer**
- **Sean McCarty, Deputy Project Manager**
- **Ray Bluff, Project Manager at Flatiron**
- **Megan Drummy, Community Outreach Liaison**



Project Team **Introductions**

- **Octavio Chiquete, Construction Manager**
- **Azin Nour, Construction Manager**
- **Joanne Pitpitan, Assistant Construction Manager**
- **Ashley Keepers, Flatiron Project Engineer**
- **Yesenia Ortega, Flatiron Field Engineer**
- **Alex Zwierski, Flatiron Field Engineer**
- **Sarah Bowles, Outreach Team**



Meeting Participants

Please introduce yourselves:

- **Working Group Members**
- **Council District 2 and 6 representatives**
- **Observers**



Reminders from Initial WG Meetings

- **Working Group Mission: Propose ways to avoid, minimize or mitigate concerns associated with the construction and operation of the North City Phase 1 projects**
- **Members have committed to help create a respectful and productive work environment and to work cooperatively with other Working Group members**
- **Meetings are primarily intended for the benefit of the Working Group members to promote balanced and constructive interaction**



Meeting Participation Guidelines

- **All perspectives are valued**
- **One person speaks at a time**
- **Be concise – need to hear from everyone in limited time**
- **Any questions that require additional, outside discussion can be emailed to Outreach Liaison**



Virtual Meeting Ground Rules

- **Stay on mute until called on by the facilitator**
- **Please “raise your hand” or use the Chat box for questions**
- **Phone participants will have dedicated times to comment**
- **Meeting is being recorded for accuracy and meeting summary will be shared with participants**

Program Update Phase 1 Schedule

Andrea Demich

Pure Water
will produce
1/2
of your water
locally

Phase 1

- 30 mgd
- North City PWF to Miramar



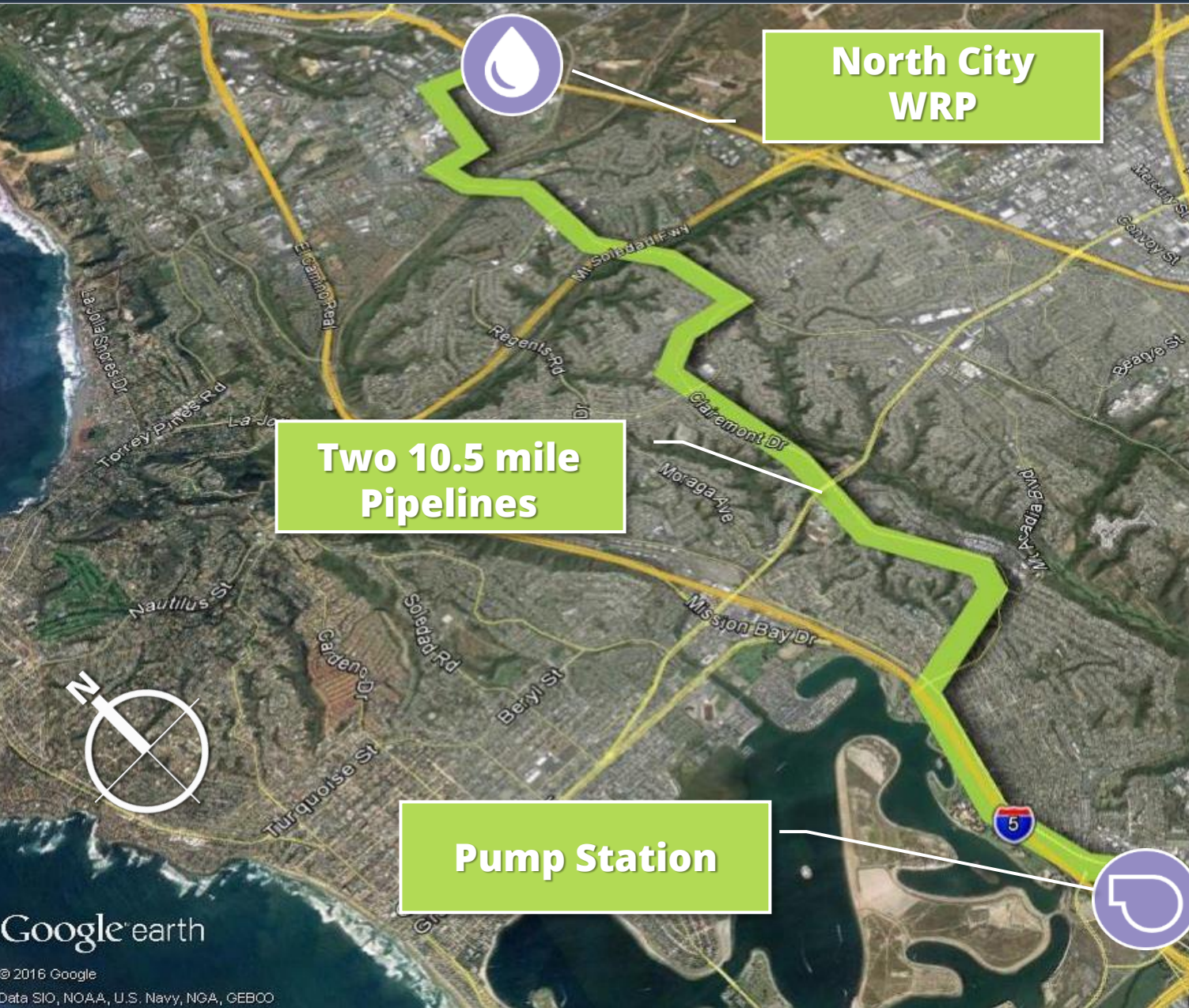
Pure Water
will produce
1/2
of your water
locally

Phase 2

- 2035 Completion
- 53 mgd
- Central Area PWF to San Vicente or Lake Murray



SD Morena Pump Station and Pipelines



- Conveys wastewater to North City Water Reclamation Plant (WRP)
- Supports Phase 1 purified water and recycled water production
- Trenchless construction will be used to avoid:
 - *environmentally sensitive areas*
 - *freeway crossings*
- Construction is underway

Phase 1 Construction – Clairemont & Bay Park/ Morena

Project/Construction Package	Anticipated Contractor Notice to Proceed	Anticipated Project Completion
Morena Pump Station	June 2021 (underway)	2025
Morena Southern Pipelines	April 2022	2024
Morena Middle Pipelines	May 2022	2024

Morena Pump Station Project Overview and Upcoming Activities

Steve Lindsay

Friars Road Pipeline

Friars Road crossing underneath
Morena Boulevard

Morena Storage

Sherman Street

Morena Boulevard

Lovelock Street

Custer Street

Morena Pump
Station
(future site)

Friars Road

Pipeline

Morena Water Pipeline

Morena Boulevard

Sherman Street



Morena Storage

Lovelock Street

Custer Street

Morena Pump
Station
(future site)

Friars Road

 Pipeline
 Morena Water Pipeline

Morena Pump Station and Southern Alignment

Custer Street to Sherman Street

Construction Project Components:

- Pump station (screening facility, high purity oxygen and odor control systems, electrical and maintenance buildings) and civil site work
- 48-inch, 60-inch and 66-inch diversion and overflow sewers on Friars Road
- 3 diversion structures with slide gates and one junction structure

Construction Segment Details:

- Day work (pump station and Friars Road): Monday to Friday, 7 a.m. to 4 p.m.
- Night work (surrounding area): Sunday to Thursday, 8 p.m. to 6 a.m.*
- One lane of traffic during construction hours, two-way traffic maintained (pump station area)
- Eastbound access only on Friars Road
- SDG&E power pole relocations in construction

SD What You Can Expect – Pump Station Project Work

- Day work: Monday to Friday, 7 a.m. to 4 p.m.
 - *Morena Pump Station site (Sherman and Custer Streets)*
 - *Friars Road*
- In addition to regular construction, the community can expect:
 - *Temporary street parking closures*
 - *No parking available in construction zones*
 - *Impacts such as noise, dust, bright lights, and construction vehicle traffic*
 - *One-way traffic and temporary full closures on Friars Road (between Napa Street and Sea World Drive)*



Friars Road - Partial Closure

- New traffic configuration needed for major support infrastructure being built on Friars Road
- One-way eastbound access and no westbound access (with detour) during first phase
- Bicycle lanes open in both directions
- Currently permitted to be in place until July 2022
- Was added at the start of the project – continuing to notify the community through mailers, e-blasts, online postings and project signage



Scheduled Upcoming Activities

Potholing at Sherman & Custer

Demolition of former ASPCA building at pump station site (Sherman & Custer)

Temporary full closure of Friars Road (overnight only) for project sign installation and additional traffic control measures (Aug. 9-10)

On-site ground monitoring

Soil sampling for geotechnical reports

Contractor Introduction: Flatiron

Steve Lindsay

- Founded in 1947 in Colorado and operates throughout the U.S. and Canada
- Specializes in large-scale infrastructure projects
- Typical projects include highways, bridges, airports, rail transit, dams, water and wastewater facilities and underground pipeline and tunnel projects
- Employs over 3,400 craft and management positions company-wide
- Offices in San Diego and local project experience:
 - *San Diego International Airport Terminal 1 Project*
 - *West Mission Bay Bridge Project*
 - *North Coast Corridor (I-5)*
 - *North Coast Segment (I-5)*

The Flatiron logo features the word "FLATIRON" in a bold, dark blue, sans-serif typeface. The letter "A" is stylized, with a blue triangle pointing upwards, integrated into the letter's structure.

SD Flatiron and Pure Water

- **Ray Bluff, Project Manager**

- *45 years of experience building water and wastewater treatment plants, pumping plants and large diameter pipelines throughout the western U.S.*
- *Hand selected the admin and engineering team for this project*

- **Key components of project:**

- *Off-site work on Friars Road*
- *On-site construction of the pump station infrastructure*

- **Looking forward to:**

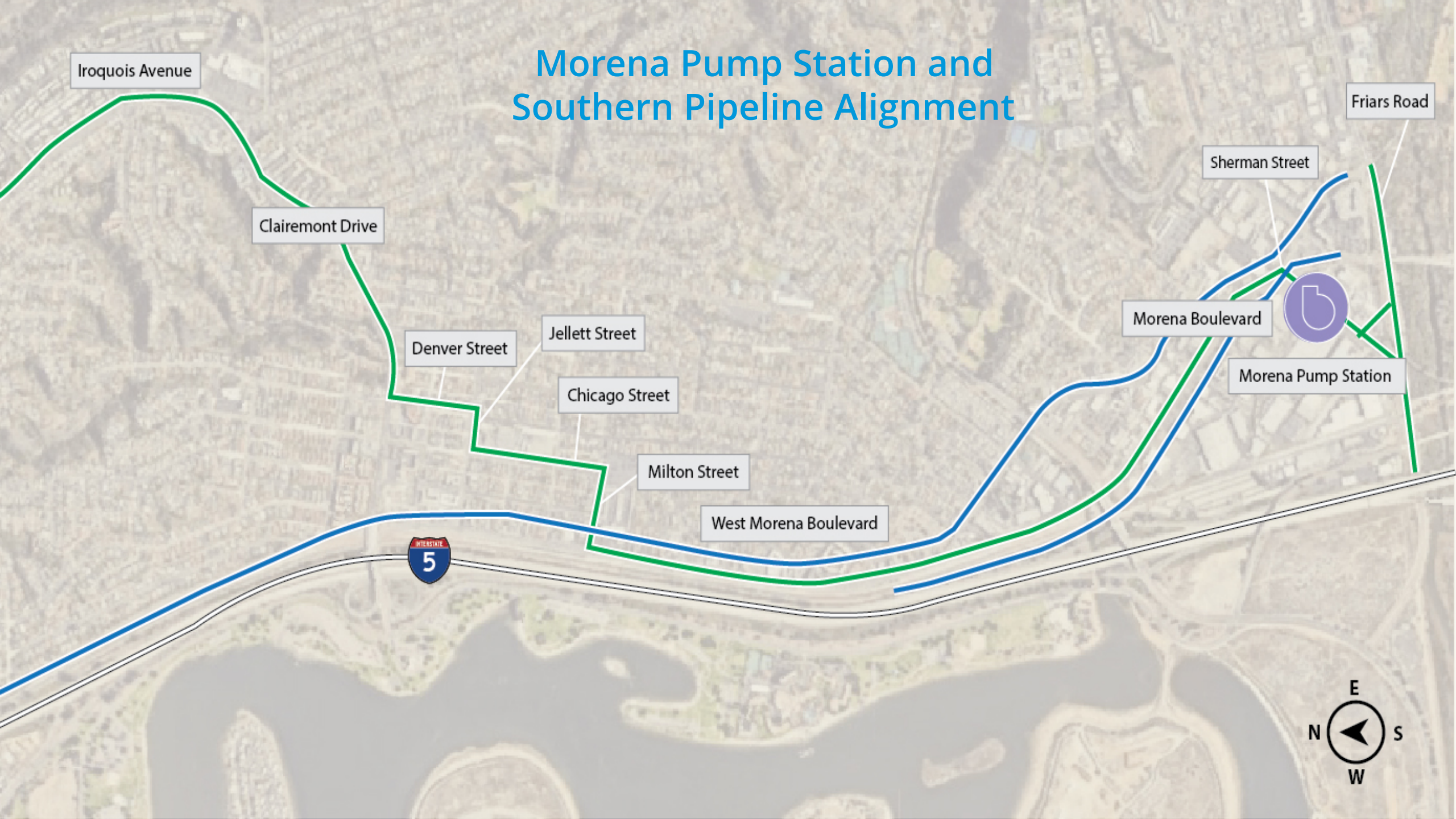
- *Uniqueness of the project: will involve heavy civil engineering and architectural disciplines that are typically separate*
- *Applying the Flatiron team's skill sets to the successful construction and commissioning of the Morena Pump Station*



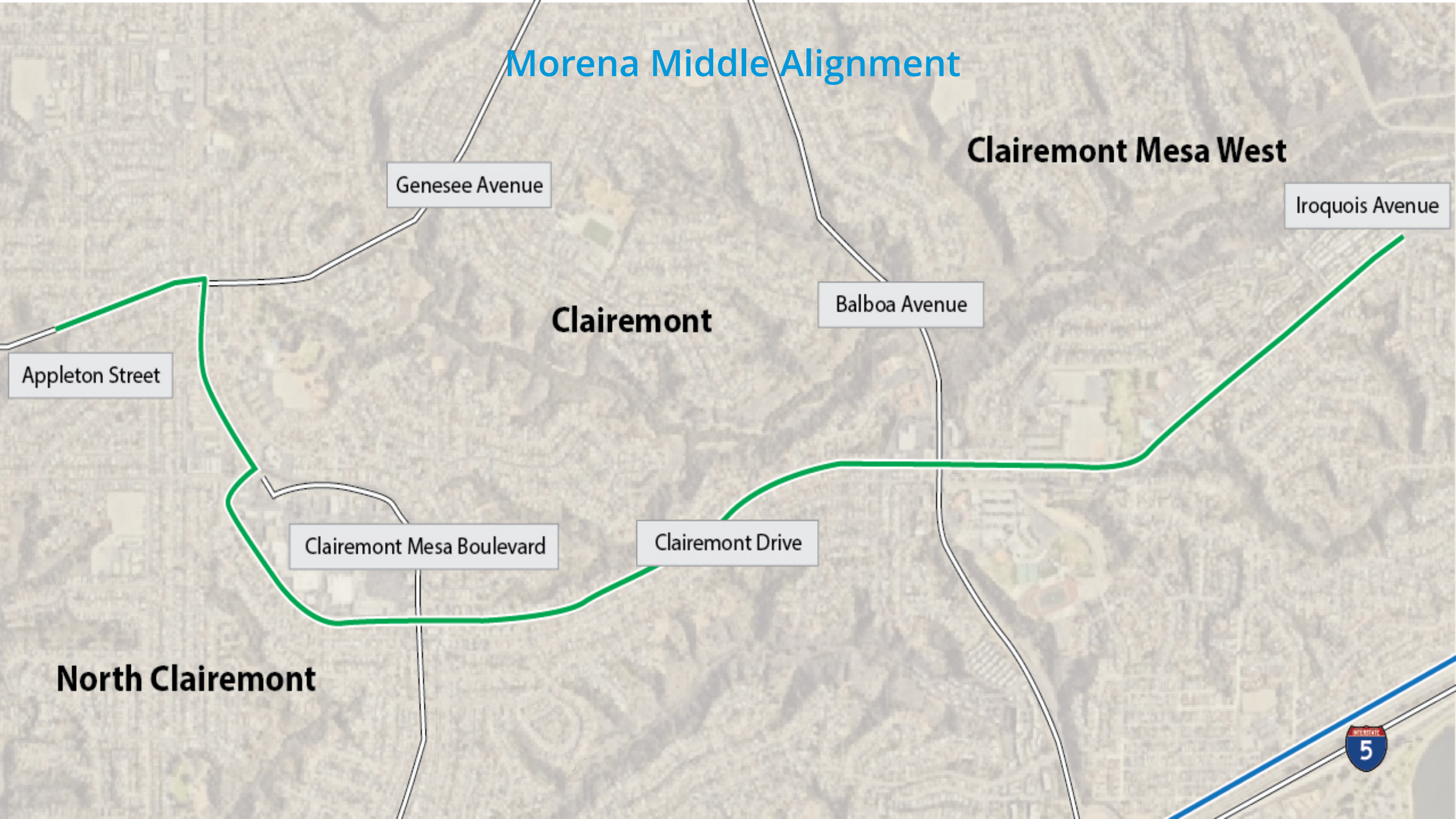
Lookahead to Morena Southern and Morena Middle

Sean McCarty

Morena Pump Station and Southern Pipeline Alignment



Morena Middle Alignment



Clairemont Mesa West

Iroquois Avenue

Balboa Avenue

Clairemont

Genesee Avenue

Appleton Street

Clairemont Mesa Boulevard

Clairemont Drive

North Clairemont



SD What You Can Expect – Planned Working Hours

- Day work: Monday to Friday, 7 a.m. to 5 p.m.*
 - *Milton Street to Clairemont Drive*
 - *Iroquois Avenue to Balboa Avenue*
 - *Balboa Avenue to Clairemont Mesa Boulevard*
- Night work: Sunday to Thursday, 8 p.m. to 6 a.m.*
 - *Custer Street to Milton Street*
 - *Clairemont Drive to Iroquois Avenue*
 - *Clairemont Drive and Balboa Avenue intersection*
 - *Genesee Avenue*

*Times are still being confirmed with the traffic field division



Tecolote Canyon
Natural Park
and Nature Center

The City of
SAN DIEGO

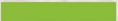

SD Pure Water
San Diego

Tecolote Road

Morena Boulevard



Friars Road

 Pipeline
 Morena Water Pipeline

Morena Pipeline Southern Alignment

Custer Street, Sherman Street, West Morena Boulevard and Morena Boulevard

Construction Project Components:

- 3.2 miles of 48-inch steel force main
- 3.2 miles of 30-inch steel brine/centrate pipeline
- Pressure reducing station
- 3.2 miles of existing 16-inch PVC water distribution main replacement
- 3.3 miles of new 36-inch steel water transmission main

Construction Segment Details:

- Night work: Sunday to Thursday, 8 p.m. to 6 a.m.*
- One lane of traffic during construction hours, two-way traffic maintained

Fiesta Island

Bay Park Elementary School

Tecolote Canyon

Milton Street

Mission Bay Volkswagen

Mission Bay Chevrolet

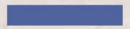
Morena Boulevard



Tecolote Road



Pipeline



Morena Water Pipeline

Morena Pipeline Southern Alignment

Morena Boulevard to Milton Street

Construction Project Components:

- 3.2 miles of 48-inch steel force main
- 3.2 miles of 30-inch steel brine/centrate pipeline
- Pressure reducing station
- 3.2 miles of existing 16-inch PVC water distribution main replacement
- 3.3 miles of new 36-inch steel water transmission main

Construction Segment Details:

- Night work: Sunday to Thursday, 8 p.m. to 6 a.m.*
- One lane of traffic during construction hours, two-way traffic maintained



Pipeline



Morena Water Pipeline



Clairemont Village
Shopping Center

The City of
SAN DIEGO

SD Pure Water
San Diego

Clairemont Library

Pacific Villas

Clairemont Drive

Tecolote Canyon

Denver Street

Jellett Street

Bay Park Elementary School

Western Hills Park

Chicago Street

Milton Street

Mission Bay Volkswagen

Mission Bay Chevrolet

Morena Pipeline Southern Alignment

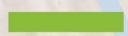
Milton Street to Chicago Street to Jellett Street
to Denver Street to Clairemont Drive

Construction Project Components:

- 3.2 miles of 48-inch steel force main
- 3.2 miles of 30-inch steel brine/centrate pipeline
- Pressure reducing station
- 3.2 miles of existing 16-inch PVC water distribution main replacement
- 3.3 miles of new 36-inch steel water transmission main

Construction Segment Details:

- Day work on Milton, Chicago, Jellett and Denver Street: Monday to Friday, 7 a.m. to 5 p.m.*
- Night work starting at Clairemont Drive: Sunday to Thursday, 8 p.m. to 6 a.m.*
- One lane of traffic during construction hours, two-way traffic maintained



Pipeline



Morena Water Pipeline

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SD Pure Water
San Diego

Iroquois Avenue

Summit at
Mission Bay

Tecolote Canyon

Clairemont Village
Shopping Center

Clairemont Library

Pacific Villas

Clairemont Drive

Morena Boulevard



Morena Pipeline Southern Alignment

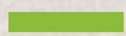
Clairemont Drive to Iroquois Avenue

Construction Project Components:

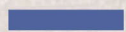
- 3.2 miles of 48-inch steel force main
- 3.2 miles of 30-inch steel brine/centrate pipeline
- Pressure reducing station
- 3.2 miles of existing 16-inch PVC water distribution main replacement
- 3.3 miles of new 36-inch steel water transmission main

Construction Segment Details:

- Night work at Clairemont Drive: Sunday to Thursday, 8 p.m. to 6 a.m.*
- Day work starting at Iroquois Avenue: Monday to Friday, 7 a.m. to 5 p.m.*
- Boundary area between Morena Southern and Middle alignments
- One lane of traffic during construction hours, two-way traffic maintained



Pipeline



Morena Water Pipeline

The City of
SAN DIEGO



Pure Water
San Diego

Balboa Avenue

Clairemont High School

Marston Middle School

South Clairemont Recreation Center

Clairemont Drive



Summit at
Mission Bay

Iroquois Avenue

Morena Pipeline Middle Alignment

Iroquois Avenue to Balboa Avenue

Construction Project Components:

- 3.6 miles of 48-inch welded steel force main
- 3.6 miles of 30-inch steel brine/centrate pipeline

Construction Segment Details:

- Day work: Monday to Friday, 7 a.m. to 5 p.m.*
- Night work at Balboa Avenue intersection:
8 p.m. to 6 a.m.*
- No left turns across Clairemont Drive
- One lane of traffic during construction hours, two-way traffic maintained

Clairemont Town Square
Shopping Center

Clairemont Mesa Boulevard

Clairemont Drive

Balboa Avenue

Clairemont
High School

Morena Pipeline Middle Alignment

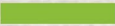
Balboa Avenue to Clairemont Mesa Boulevard

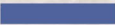
Construction Project Components:


- 3.6 miles of 48-inch welded steel force main
- 3.6 miles of 30-inch steel brine/centrate pipeline

Construction Segment Details:

- Night work at Balboa intersection: Sunday to Thursday, 8 p.m. to 6 a.m.*
- Evaluating potential for day work between Balboa Avenue and Clairemont Mesa Boulevard
- Access to Clairemont Town Square maintained
- One lane of traffic during construction hours, two-way traffic maintained

 Pipeline

 Morena Water Pipeline



Pipeline

Clairemont Mesa Boulevard

Genesee Avenue

North Clairemont
Recreation Center

Clairemont Town Square

The City of
SAN DIEGO

SD Pure Water
San Diego

Morena Pipeline Middle Alignment
Clairemont Mesa Boulevard to Genesee Avenue

Construction Project Components:

- 3.6 miles of 48-inch welded steel force main
- 3.6 miles of 30-inch steel brine/centrate pipeline

Construction Segment Details:

- Night work: Sunday to Thursday, 8 p.m. to 6 a.m.*
- One lane of traffic during construction hours, two-way traffic maintained

SD What You Can **Expect**

- Access for residents, businesses, and emergency vehicles maintained
- Expect delays due to traffic control
- 4 10-hour workdays as part of pipeline projects
- Addition of Morena Improvements 1 & 3
- Construction equipment and material staging areas will move along the alignment as construction progresses
- In addition to regular construction, the community can expect:
 - *Temporary street parking closures*
 - *No parking available in construction zones*
 - *Impacts such as noise, dust, bright lights, and construction vehicle traffic*



Plans for Future Information Distribution

Megan Drummy



Information Distribution



Website:
purewatersd.org



Phone Line:
833-667-7973
833-MOR-PWSD



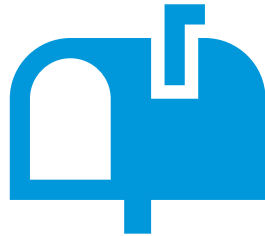
Social Media:
[@purewatersd](https://twitter.com/purewatersd)



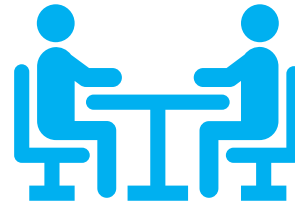
Media Relations



E-blasts



Direct Mail



Meetings



Door-to-Door Outreach

Community Outreach Coordination

Bay Park, Morena, and Clairemont Communities

- *Briefings to elected officials and community groups*
- *Project signage with contact information*
- *Postings to NextDoor, project specific e-blasts, mailings, local media articles and project website content*
- *Posting of lookahead schedules, staging areas and project progress*
- *Bulletin boards and kiosks*
- *Tracking of upcoming community events*



Working to Achieve Safe and Livable Neighborhoods **MORENA PUMP STATION**

Construction Budget: \$110,386,350

Construction Manager: Jacobs Project Management Co.

Project Builder: Flatiron West, Inc.

Designer: AECOM

Anticipated Construction Schedule: 2021-2025

For questions: purewatersd@sanidiego.gov or 833-MOR-PWSD (833-667-7973)



Future Information Distribution

- **How would you like to be involved in the Bay Park/Morena and Clairemont Working Groups moving forward?**
- **How would you like to receive future project updates (additional meeting or email communication only)?**
- **Submit requests for community presentations or event participation to mdrummy@san Diego.gov**
- **Let us know if there are additional community representatives who should receive updates as part of this Working Group**

Working Group Member Recognition

Andrea Demich



Morena.purewatersd.org
phase1.purewatersd.org



PureWaterSD



PureWaterSD



@PureWaterSD



PureWaterSD

Sign up for **construction updates** and take the **virtual tour**