

Pure Water San Diego Phase 1 Construction Update Mira Mesa Planning Group

October 18, 2021

1. Introductions

- **John Stufflebean, Public Utilities Assistant Director, Pure Water Program**
- **Steve Lindsay, Senior Construction Manager**
- **Clem Wassenberg, Construction Manager**
- **Sean McCarty, Deputy Project Manager**
- **Sarah Rossetto, Community Outreach Liaison**

2. Pure Water Program Update and Phase 1 Schedule

3. North City Pure Water Pipeline Project Overview

4. Plans for Future Information Distribution

Program Update Phase 1 Schedule

John Stufflebean

Point Loma Wastewater Treatment Plant

- Enhanced primary treatment
- Requires waivers
- Secondary treatment is the national standard
- A very challenging location



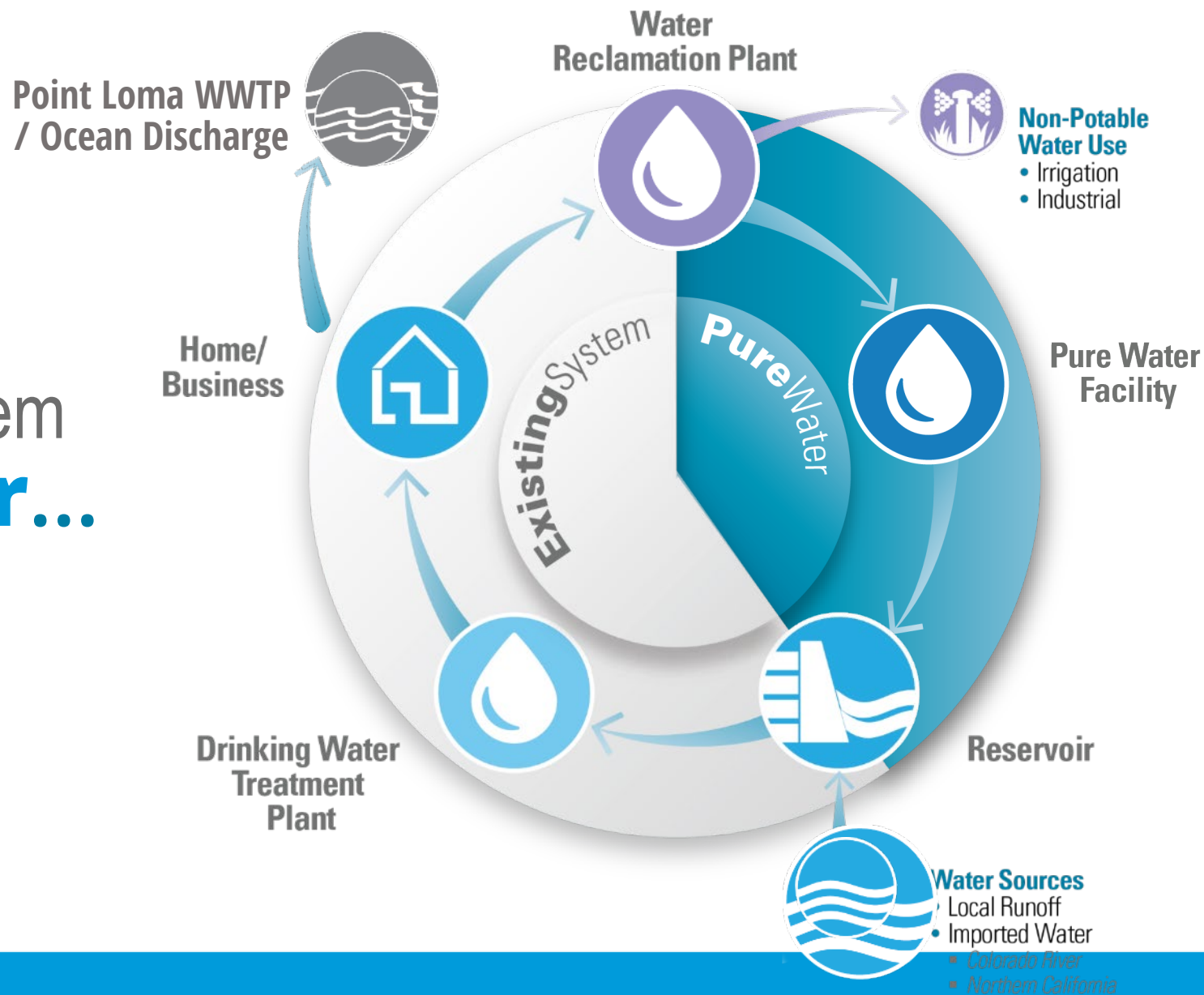
San Diego's Water Supply System

Existing System...

Primarily a Single-Use System

Pure Water...

Completes Our Water Cycle

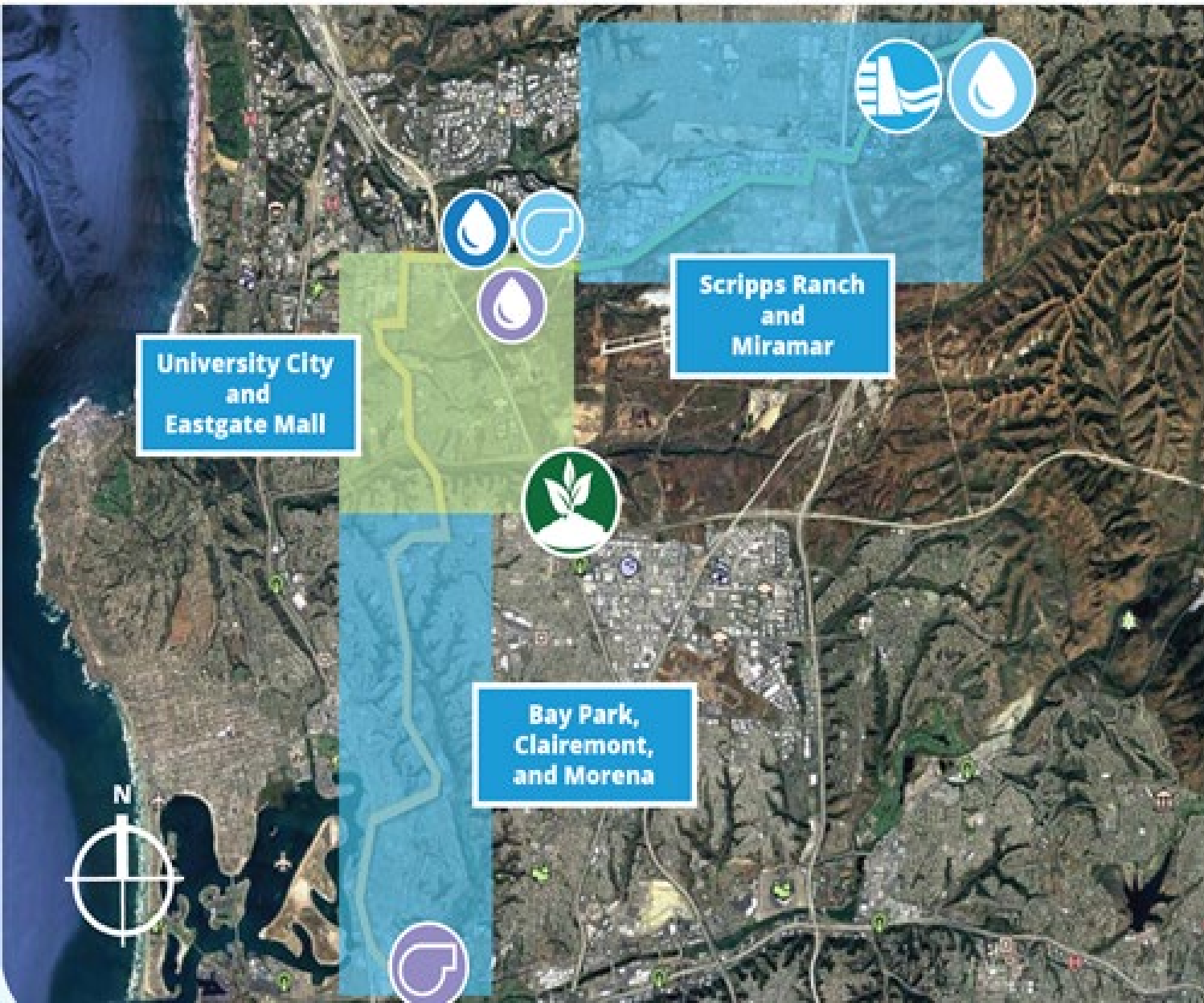


Pure Water
will produce
1/2
of your water
locally

Phase 2

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





Phase 1 Construction Packages

Bay Park, Clairemont, and Morena

- Morena Pump Station
- Morena Pipelines Southern Alignment
- Morena Pipelines Middle Alignment

University City and Eastgate Mall

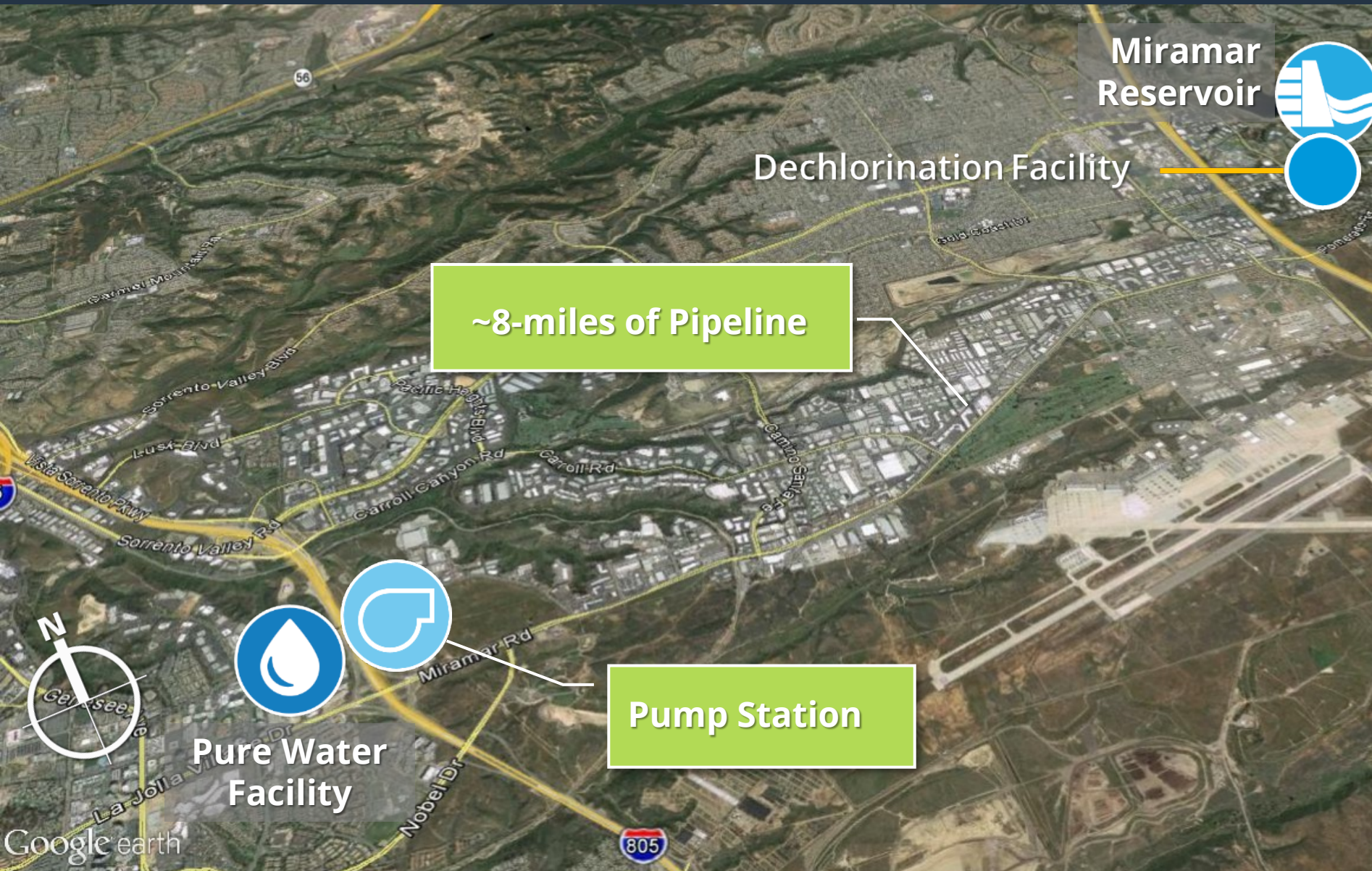
- Morena Pipelines Northern Alignment & Tunnels
- North City Pure Water Facility & Pump Station
- North City Water Reclamation Plant Expansion
- NCWRP Flow Equalization Basin
- Metro Biosolids Center Improvements

Scripps Ranch and Miramar

- North City Pure Water Pipeline, Dechlorination Facility, & Subaqueous Pipeline
- Miramar Reservoir Pump Station Improvements

Phase 1 Construction – Scripps Ranch/Miramar

Project/Construction Package	Anticipated Contractor Notice to Proceed	Anticipated Project Completion
North City Pure Water Facility & Pump Station	June 2021	2025
North City Pure Water Pipeline, Dechlorination Facility & Subaqueous Pipeline, AC Water Group 1038	June 2021	2025



- Pure Water to Miramar Reservoir via:
 - Pump Station
 - Pipeline
- Water dechlorinated before release to reservoir
- Construction (potholing work) began in summer 2021

North City Pure Water Pipeline Project Overview

Clem Wassenberg

What You Can Expect – Potholing Activities

- Initial potholing work from east to west
 - *Miramar Road between Interstate 15 and Interstate 805*
 - *Kearny Villa Road, Candida Street, Via Pasar and Via Excelencia*
- Potholing from 7 p.m. to 5 a.m. Monday to Thursday
 - *Access maintained for residents, businesses and emergency vehicles*
 - *Traffic control (signage and cones)*
 - *No full road closures or detours*
- Completion near end of 2021



The City of
SAN DIEGO  Pure Water
San Diego

Completing our Water Cycle, Securing our Future

CONSTRUCTION NOTICE

North City Pure Water Pipeline

Starting in early October, the City of San Diego's Contractor will be conducting nighttime exploratory work on Miramar Road between Interstate 15 and Interstate 805, Kearny Villa Road, Candida Street, Via Pasar and Via Excelencia as part of the **North City Pure Water Pipeline** project. The work will provide the City's team with important information about the location and depth of existing utilities in the public right-of-way.

SD What You Can Expect – Pipeline Work

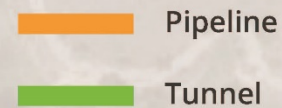
- Pipeline work will start in Scripps Ranch in early 2022
- Pipeline installation from 9 p.m. to 5 a.m.
 - *Access for residents, businesses and emergency vehicles will be maintained*
 - *Expect delays due to traffic control*
- At minimum, one lane in both directions open at all times
- Scheduled water outages
- Construction equipment and material staging areas will move along the alignment as construction progresses
- 24/7 construction at the tunnel crossing at I-15



SD What You Can Expect – Reservoir Work

- Typical work window from 7 a.m. to 4:30 p.m.
- Trail access and parking maintained
- Controlled Intersections
 - *Flagged or temporary trench*
- Lake closed to boating during construction – schedule TBD
- On-shore fishing maintained around most of the lake





Lake Miramar Trail

Natalie Park

Lake View Park

Miramar Reservoir

Miramar Reservoir
Pump Station

North City Pure Water Pipeline AC Water Group 1038

Subaqueous Tunnel Along Miramar Reservoir

Construction Project Components:

- 54-inch to 8-inch subaqueous pipe
- 94 Dual duckbill valve outlet ports
- Miramar Reservoir Pump Station Improvements
- Electrical and instrumentation

Construction Segment Details:

- Day work: Monday to Friday, 7 a.m. to 4:30 p.m.
- No boating allowed; shore fishing allowed
- Full recreation of parks and trail

Miramar Reservoir

Pipeline
Tunnel

Miramar Reservoir
Parking Lot

Miramar Water
Treatment Plant

Scripps Lake Drive

Scripps Miramar
Branch Library

Evan's Pond

North City Pure Water Pipeline AC Water Group 1038

Scripps Lake Drive to Miramar Reservoir

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Scripps Lake Drive to remain open at all times
- Tunneling past Evan's Pond to the reservoir
- Changes to reservoir parking lot configuration
- Full access to most recreation

Scripps Miramar
Branch Library

Evan's Pond

Orange line: Pipeline
Green line: Tunnel

CUSO Financial
Services, LP

Mission Federal
Credit Union

Dechlorination
Facility
(future site)

Meanley Open
Dog Park

Meanley Drive

Hoyt Park Drive

North City Pure Water Pipeline AC Water Group 1038

Hoyt Park Drive to Meanley Drive

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- Dechlorination Facility
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Tunneling by Evan's Pond
- Access to the library maintained at all times

Meanley Drive

CoreLogic Credco

Scripps Ranch
High School

Hoyt Park Drive

H Cabinet

Scripps Ranch Boulevard

National University

ChargePoint
Charging Station

Delta Group
Electronics

Carroll Canyon Road

Businesspark Avenue

North City Pure Water Pipeline AC Water Group 1038

Businesspark Avenue and Carroll Canyon Road
to Scripps Ranch Boulevard

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of watermain replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.



Inova Diagnostics, Inc.

Scripps
Montessori
School

Businesspark Avenue

WD-40 Company

Old Grove Road

North City Pure Water Pipeline AC Water Group 1038

Tunnel at Northbound Interstate-15

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Tunnel work will be performed 24/7

Pipeline
Tunnel

Vulcan Materials
Company

Carroll Centre Road

The City of
SAN DIEGO

SD Pure Water
San Diego

Candida Street



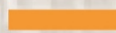
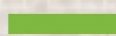
Black Mountain Road

Miramar Square
Shopping Center

Padgett Street

Kearny Villa Road

Miramar Road

 Pipeline
 Tunnel

North City Pure Water Pipeline AC Water Group 1038

Miramar Road to Kearny Villa Road to Candida Street

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Tunnel work will be performed 24/7

Carroll Canyon Road



Camino Ruiz

Miramar Landing Shopping Center

Mitscher Way

Audi San Diego

Porsche San Diego

Miramar Square Shopping Center

Padgett Street

Miramar Road

MCAS Miramar Main Entrance

MCAS Miramar

MCAS Miramar Operations

Harbor Freight Tools

Cabot Drive

North City Pure Water Pipeline AC Water Group 1038

Miramar Road near MCAS to Padgett Street

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.

Camino Santa Fe

Miramar Road

Cabot Drive

Dowdy Drive

MCAS West
Entrance

Miramar Memorial
Golf Course

North City Pure Water Pipeline AC Water Group 1038

Miramar Road near MCAS Miramar to Cabot Drive

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Early work on Miramar Road
- Coordination with MCAS Miramar to ensure entrance access

Eastgate Mall

Miramar Mall

Miramar Place

Velocity Truck
Centers – San Diego

Camino Santa Fe

Miramar Road

Railroad Crossing

Marine Corps Air
Station Miramar

Miramar National
Cemetery

North City Pure Water Pipeline AC Water Group 1038

Miramar Road to Camino Santa Fe

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Coordination with LOSSAN agency about railroad crossing

FedEx

Eastgate Drive

Old Dominion
Freight Line

Olson Drive

Storage West

North City Pure
Water Facility
(future site)

Eastgate Mall

North City Pure Water Pipeline AC Water Group 1038

Eastgate Mall

Construction Project Components:

- 8 miles of 48-inch welded steel pipe transmission main (purified water pipeline)
- 6.4 miles of water main replacement of 6, 12 and 16-inch asbestos cement (AC) pipe with 16-inch polyvinyl chloride (PVC) pipe

Construction Segment Details:

- Night work: Monday to Friday, 9 p.m. to 5 a.m.
- Access maintained for businesses on Olson Drive, Eastgate Drive and Eastgate Court

Eastgate Court



North City Water
Reclamation Plant

Miramar Road

Plans for Future Information Distribution

Sarah Rossetto



Information Distribution



Website:
purewatersd.org



Phone Line:
833-647-7973
833-MIR-PWSD



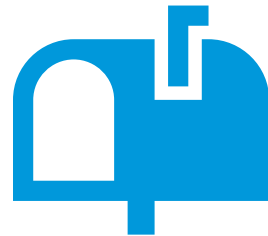
Social Media:
[@purewatersd](https://twitter.com/purewatersd)



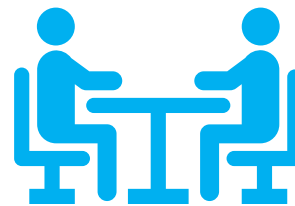
Media Relations



E-blasts



Direct Mail



Meetings



Door-to-Door Outreach



ScrippsRanch.purewatersd.org
phase1.purewatersd.org



PureWaterSD



PureWaterSD



@PureWaterSD



PureWaterSD

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

MIRAMAR RESERVOIR PARKING



EXISTING PARKING:

Lower Lot:

Regular Stalls - 56
Compact Stalls - 11
ADA Stalls - 3
Sub-total - 70

Upper Lot:

Regular Stalls - 153
ADA Stalls - 7
Trailer Stalls - 8
Trailer & ADA Stalls - 2
Sub-total - 170

Total Parking Stalls - 240

PARKING 90% DESIGN:

Permanent Additional Parking

Area 1 - 30 ±	53
Area 3 - 10 ±	0
Area 4 - 10 ±	7
Sub-total - 50 ±	60

Temporary Parking During
Sub-aqueous Construction - 30 ±

NET TOTAL PARKING:

Existing - 240
During Construction - 255+ 265
Post-Construction - 300 Permanent
30 Interim

