



Pure Water North City Phase 1 Construction Projects  
Community Working Group Meeting 2 – Scripps Ranch/Miramar

**Date:** July 17, 2018, 4:30 - 8 p.m.  
**Location:** Scripps Miramar Ranch Library

**Meeting Agenda**

- |      |  |                       |
|------|--|-----------------------|
| 4:30 | Welcome  | B. Eidson             |
| 4:35 | Agenda Review<br>Introductions   | P. Tennyson           |
| 4:45 | Follow-up Items from Meeting 1 <ul style="list-style-type: none"><li>• <i>North City Pure Water Pipeline alignment</i></li><li>• <i>Street restoration</i></li></ul> | K. Haynes/J. Soriano  |
| 5:15 | Construction Topics Overview & Discussion <ul style="list-style-type: none"><li>• <i>Work schedule restrictions</i></li><li>• <i>Noise</i></li></ul>                 | J. Soriano/S. Lindsay |
| 6:00 | <b>DINNER</b>  |                       |
| 6:30 | Construction Topics Overview & Discussion Continued <ul style="list-style-type: none"><li>• <i>Construction phasing</i></li><li>• <i>Traffic control</i></li></ul>   | J. Soriano/S. Lindsay |
| 7:45 | Public Comment   | P. Tennyson           |
| 7:55 | Closing and Next Steps   | P. Tennyson           |

# Pure Water San Diego Phase 1 Scripps Ranch/Miramar Working Group: Meeting 2

July 17, 2018

- Welcome
- Agenda Review/Introductions
- Follow-up Items from Meeting 1
  - *North City Pure Water Pipeline Details*
  - *Street Restoration*
  - *Project FAQs*
- Construction Topics Overview and Discussion
  - *Work Schedule Restrictions*
  - *Noise*
- DINNER
- Construction Topics Overview and Discussion
  - *Construction Phasing*
  - *Traffic Control*
- Public Comment
- Closing and Next Steps

# North City Pure Water Pipeline Alignment

Kathy Haynes

# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment



Float and Sink

Open Cut

Trenchless

N



# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment





# North City Pure Water Pipeline Alignment



# Street Restoration

Jeff Soriano



## Existing Street Conditions

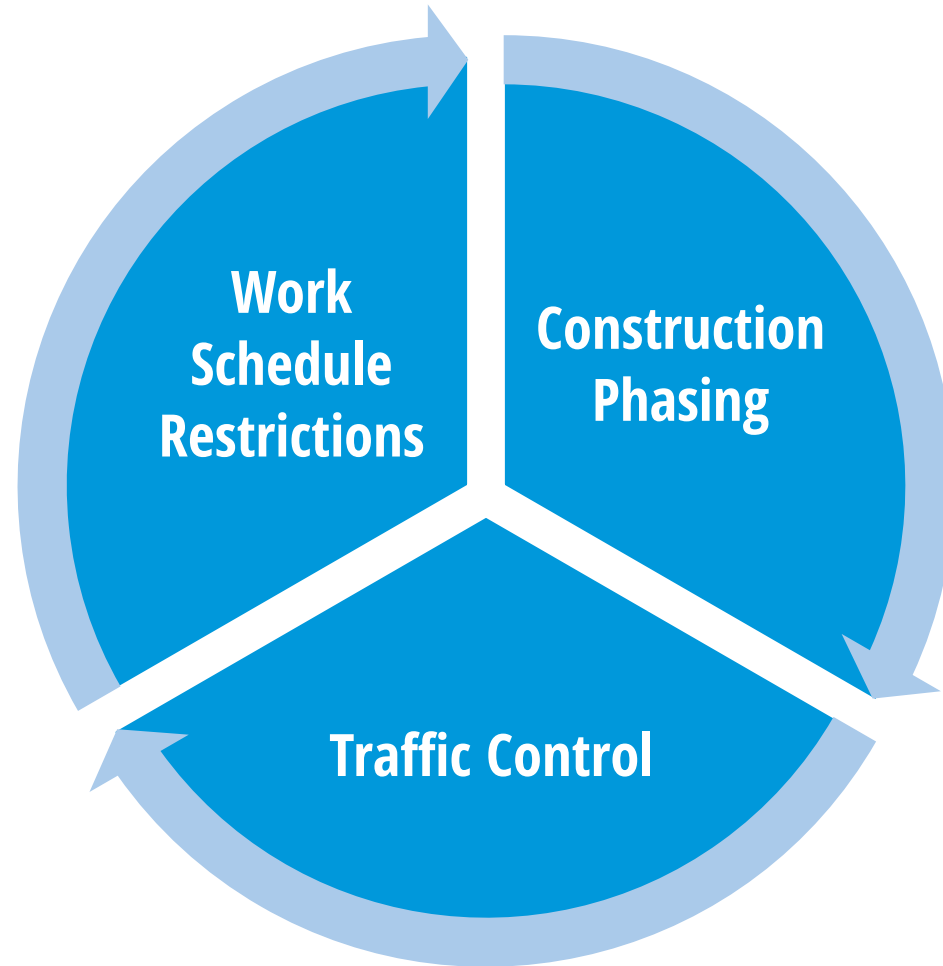
- 2015 Data Available at: <http://streets.sandiego.gov/#>
- Overall Condition Index (OCI) is a measure of the pavement condition as assessed by specialized pavement engineering consultants
- City updates this data every 4 years
- OCI varies between zero (0) and one hundred (100)
- The City of San Diego has distributed the OCI scale into these categories:
  - *70 to 100*     *GOOD*
  - *40 to 69*     *FAIR*
  - *0 to 39*     *POOR*
- Due to the proposed plan being based on 3 year old data, the design team reached out to the Streets Division for concurrence and have implemented their input.

- **OCI identified as “Good” – Slurry Seal**
  - *Proposing to slurry seal full roadway width, gutter to gutter*
  - *Where trenching is located on one side of raised median, water funds only cover resurfacing on the side of trenching. Project Manager has obtained Transportation and Storm Water Department approval and funding to include opposite side of raised medians.*
- **OCI identified as “Fair” or “Poor” – Asphalt Concrete Inlay**
  - *Proposing to pave the full roadway width with hot mix asphalt*
  - *Paving depth will vary 2-inches to 3-inches*



# Working Group Construction Topics

1. Multiple disruptions and project coordination ✓
2. Street restoration ✓
3. Air quality/noise
4. Staging areas/parking
5. Environmental monitoring
6. Traffic control/signage
7. Special stakeholder access needs
8. Outreach, communication and notifications
9. Work restrictions and construction phasing
10. Working days and hours
11. Construction monitoring





# Work Schedule Restrictions

Jeff Soriano



**Proposed work hours are determined based on:**

- **Traffic count data and the City Traffic Engineer recommendation**
- **During construction, after observation of traffic conditions by the Construction Management staff and approval by the City Traffic Engineer, it is possible that work hours can be adjusted**



## Proposed Work Hours

- 9 p.m. to 5 a.m., Sunday through Thursday
- Construction of the dechlorination facility proposed to occur from 8 a.m. to 4 p.m.
- Work within the proposed easement on the Macfarlane property at the end of Businesspark Avenue is proposed from 8 a.m. to 4 p.m., but will require concurrence with the owner
- Areas within proposed easements are open to discussion with owners. City is proposing to work opposite hours of work operation
- No work on holidays

# **Work Schedule Restrictions**

- **Holiday Shopping Moratorium – No work that would impact vehicle travel lanes and sidewalks shall occur between Thanksgiving Day and New Year's Day along Eastgate Mall**
  - *The Contractor shall completely demobilize all construction related activity, equipment and materials*
  - *The work site shall be clean and restored prior to the moratorium*
- **No construction at the Miramar Reservoir shall occur on July 4 and during other special events identified by the Working Group**
- **Complete pipeline installation on Eastgate Mall prior to Pure Water Treatment Plant, Pure Water Pump Station and North City Water Reclamation Plant Expansion Projects**
- **Are there any other special events?**



## Work Hours

- Other exceptions to traffic count based proposed work hours – Meanley Drive
  1. *Scripps Ranch High School*
  2. *Survey of businesses hours of operation on Meanley and Hoyt Park Drive*
    - All businesses indicated operation hours between 7 a.m. – 6 p.m. except Anchor General Insurance Agency that has a few staff who work overnight
    - Recent communication with Mission Federal Credit Union confirmed they have no conflicts with proposed work hours
- Are there other properties/areas that may require work to be done at a certain time?

# SD Truck Hauling Routes

- Truck routes are determined based on:
  - *Location of staging areas*
  - *Route to the Miramar Landfill*
  - *Pipe suppliers*
  - *Where materials are coming from*
- Are there any roads we should avoid?





# Noise

Jeff Soriano

- **For construction work between 7 p.m. and 7 a.m., the Contractor is required to obtain noise permits from the Development Services Department. To obtain the permit, the Contractor is required to:**
  - *Submit Noise Permit application and payment*
  - *Submit proof they notified the residents and businesses within 500-ft radius of the work site by providing those addresses and each of their signatures*
- **Contractor will be required to distribute flyers to those homes and businesses 72 hours in advance of work, that will include the following information:**
  - *Hours*
  - *Duration of work*
  - *24 hour contact name and telephone number*
  - *Code Enforcement Division telephone number*



# Construction Phasing

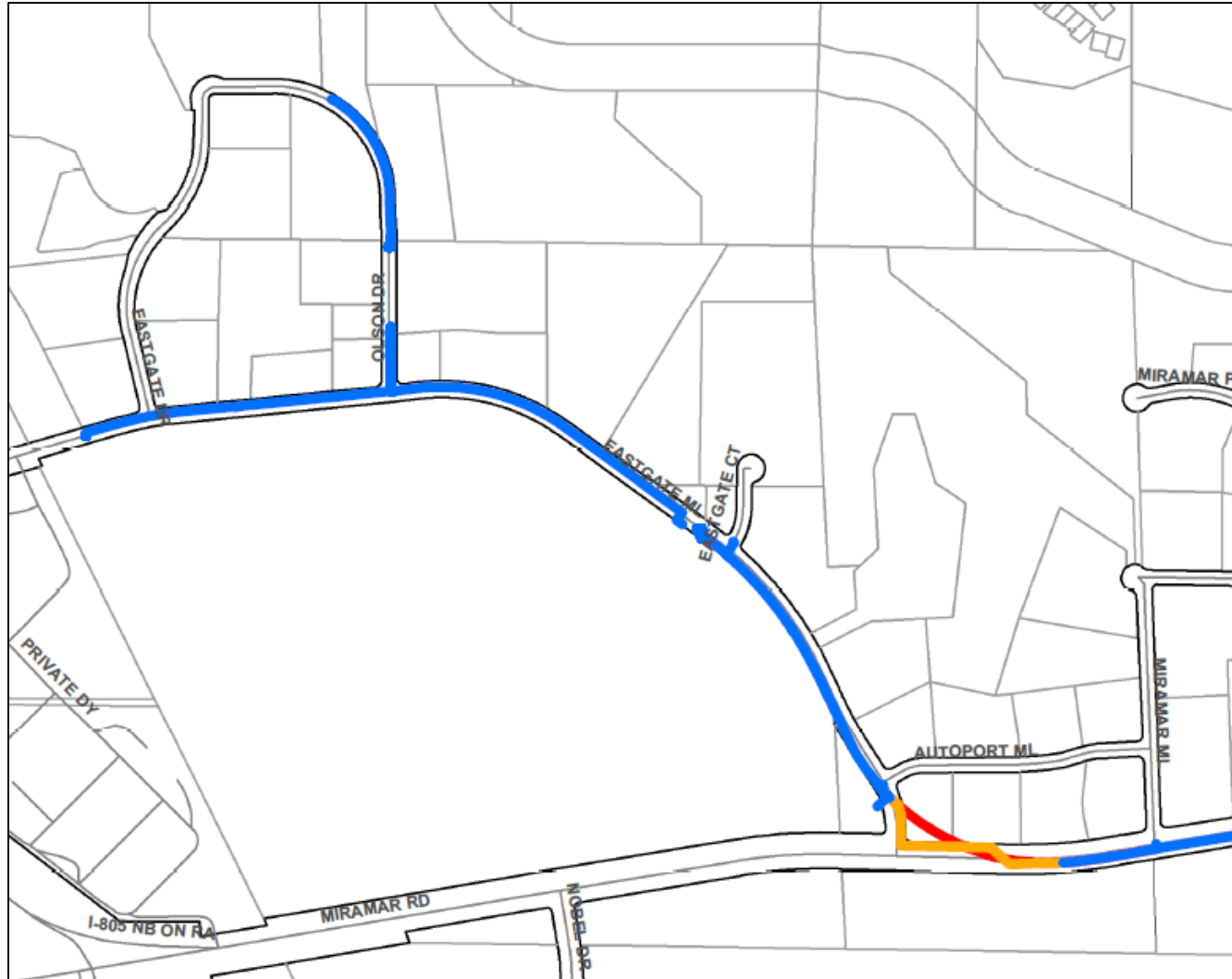
Steve Lindsay and Kathy Haynes



- **Construction Packaging and Activities**
  - *Construction packages for North City Conveyance*
    - North City Pipeline and Dechlorination Facility and replacement of water lines (AC Water Group 1038)



# Replacement of Waterlines



# Replacement of Waterlines



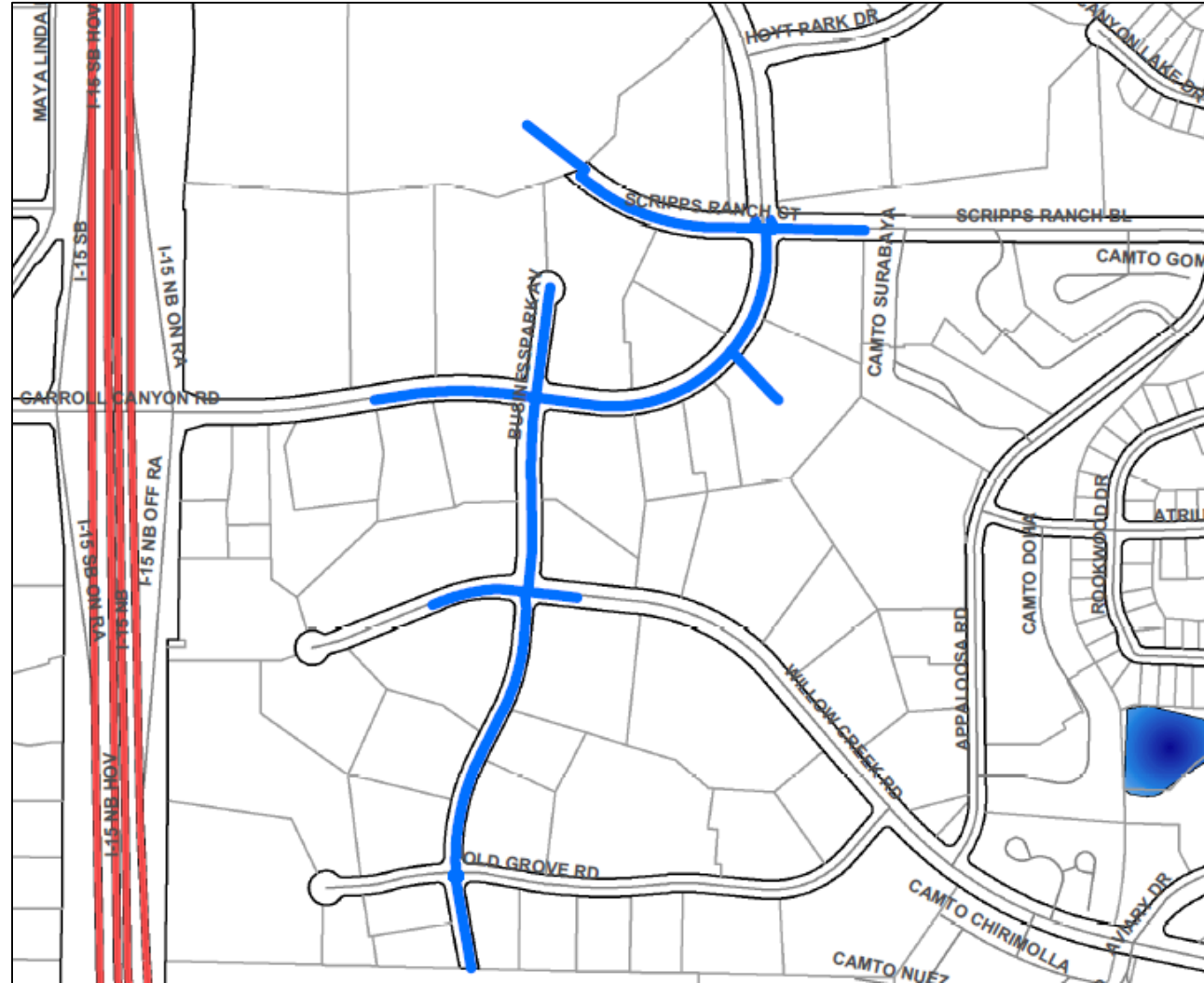
# Replacement of Waterlines





# SD AC Water Group 1038

## Replacement of Waterlines



- **Construction Packaging and Activities**

- *Construction packages for North City Conveyance*

- Subaqueous Pipeline (Miramar Reservoir)

- *Preconstruction activities*

- Full video of the pipeline alignment and surrounding area
    - Utility location and investigation (potholing)
    - Franchise utility relocations
    - Start of Pure Water Program

- **The Pure Water Program is “one system”**

- *All Projects in the Pure Water Program must be built and operated correctly to have the system work.*
  - *There are key schedule links between projects.*

- **Arrange construction of the Scripps Ranch portion of the project first**
- **Coordinate with Scripps Ranch High School to avoid work during any special events planned to occur at the high school and to have construction occur over summer break if possible**
- **Are there any areas/properties along the alignment to consider with special requirements?**



# Traffic Control

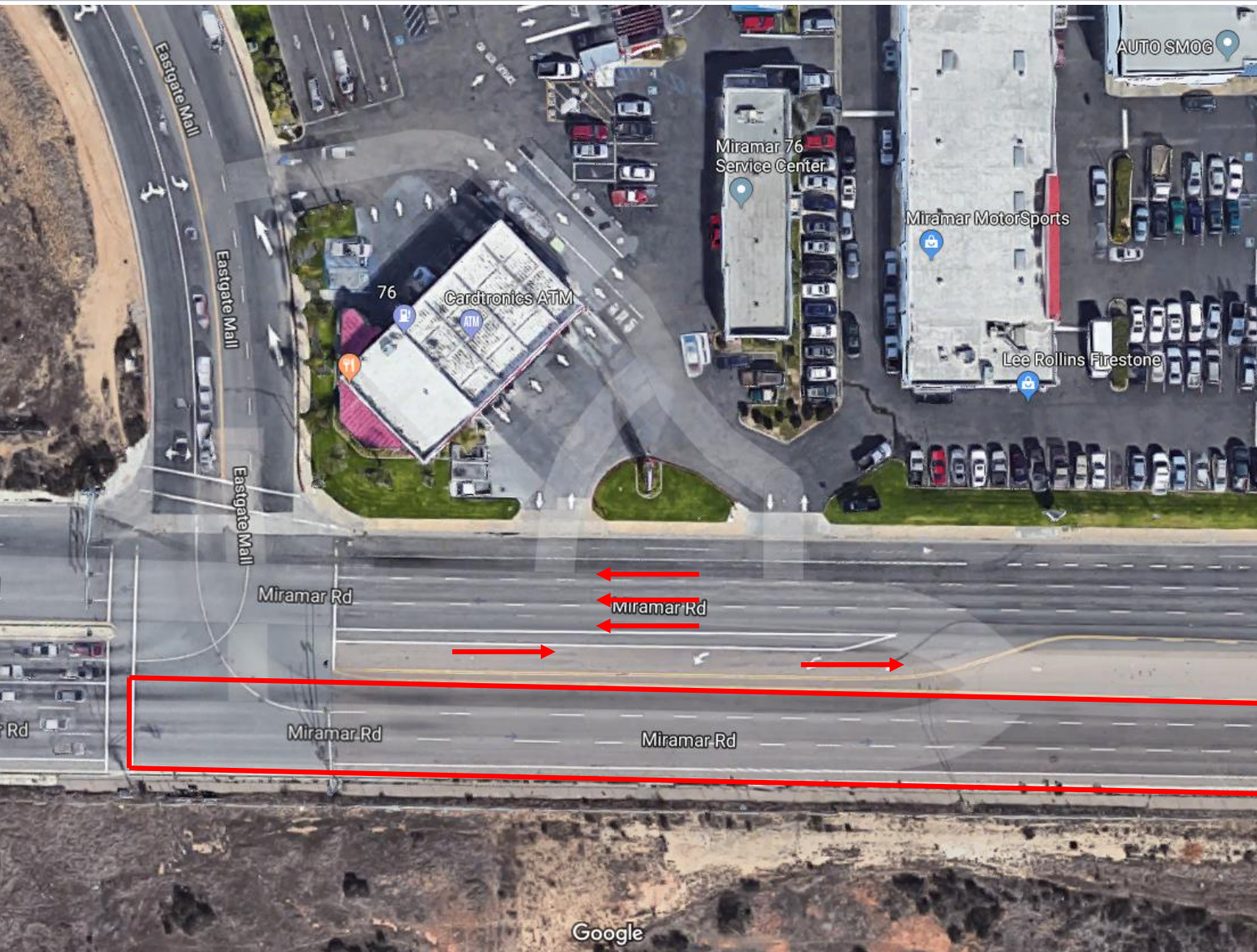
Steve Lindsay and Kathy Haynes

- **General Methodology of Traffic Control**
  - *Special stakeholder access*
  - *Staged construction through major intersections*
  - *Traffic routing*
- **Proper traffic control protects public safety**
  - *Must be prepared by a licensed traffic engineer*
  - *Approved by the City Traffic Engineer*
  - *The Construction Management staff will monitor during construction how traffic control measures are working and work with the Contractor's licensed traffic engineer and City Traffic Engineer to make appropriate changes*

- **Maintain one lane of travel in each direction during work hours**
  - **Open street to full traffic during non-work hours**
  - **Limit/avoid detours**
- 
- **Any unique characteristics that the team should be aware of?**



# Traffic Control Plan: Miramar Road & Eastgate Mall



- Eastbound lanes closed
- One or more lanes open in both directions
- Proposed Work hours:  
9 p.m. – 5 a.m.



# Traffic Control Plan: Miramar Road & Camino Ruiz

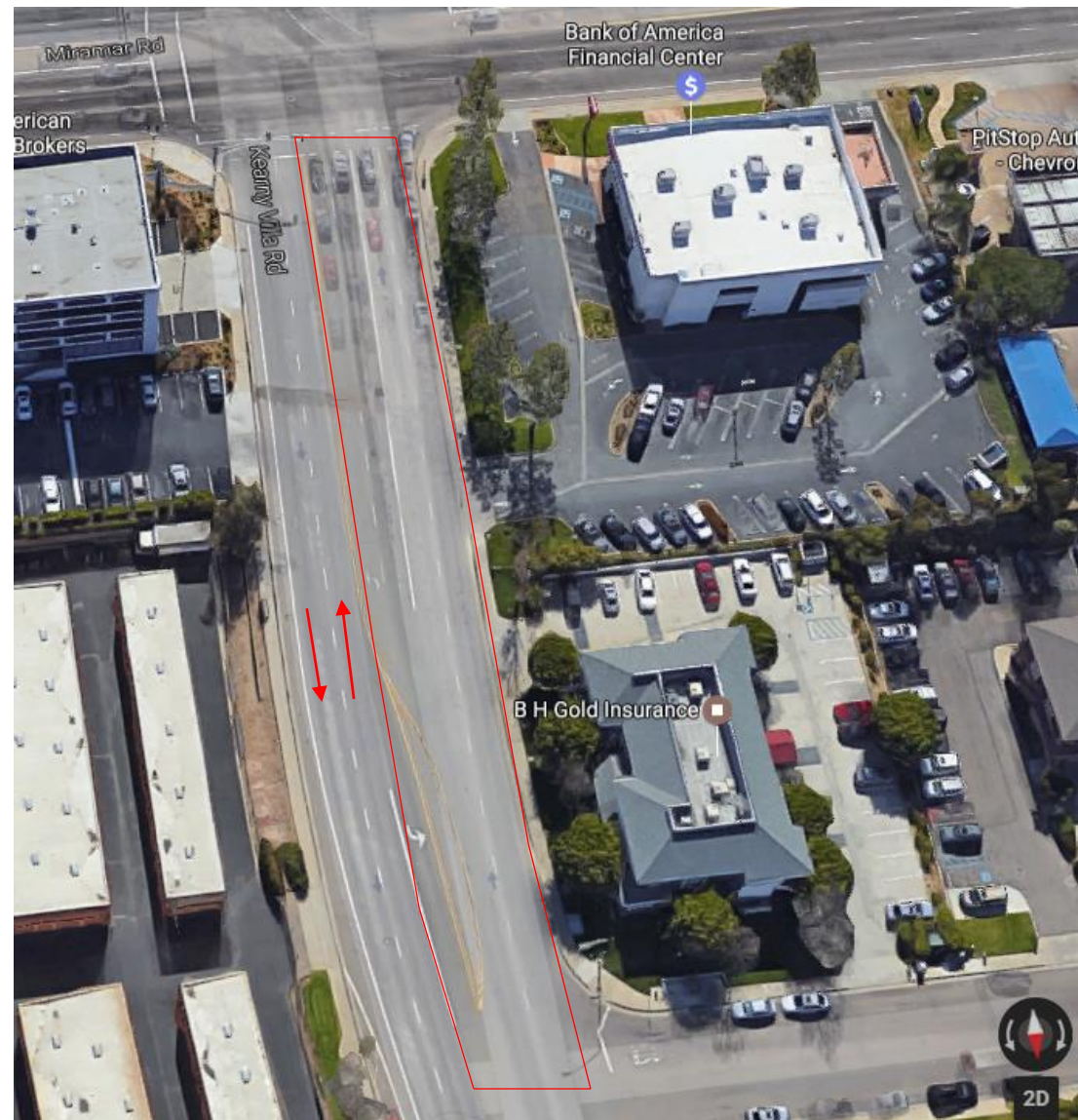


- One or more lanes open in both directions
- Proposed Work hours:  
9 p.m. – 5 a.m.



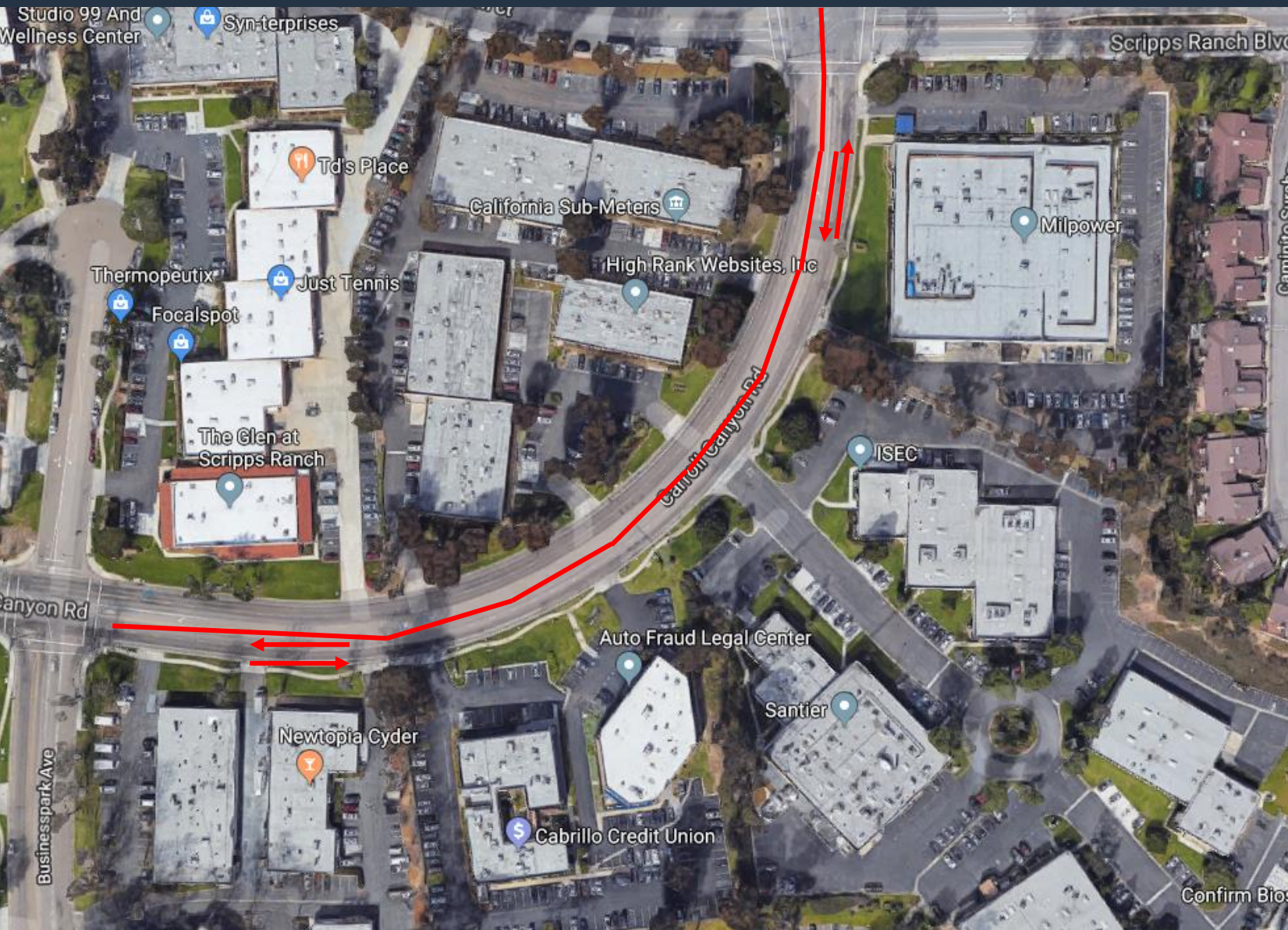
# Traffic Control Plan: Kearny Villa Road

- Southbound lanes closed between Miramar Road and Tierra Grande Street
- One lane in both directions open
- Proposed Work hours:  
9 p.m. – 5 a.m.





# SD Traffic Control Plan: Carroll Canyon Road



- Through traffic in both directions maintained on northbound side of street
- Proposed Work hours: 9 p.m. – 5 a.m.

# Public Comment

# **Next Meeting's Construction Topics**

- **Staging areas/parking**
- **Environmental monitoring**
- **Outreach, communication and notification**
- **Construction monitoring**



## ■ Meeting Series Schedule

Meeting	Date and Time	Meeting Location
3	Tuesday, July 31, 2018 4:30 – 8 p.m.	Scripps Miramar Ranch Library Community Room
4	Wednesday, Aug. 22, 2018 4:30 – 8 p.m.	North City Water Reclamation Plant

## North City Pure Water Pipeline

2015 OCI data downloaded from: <https://data.sandiego.gov/datasets/streets-overall-condition-index/>

STREET	FROM	TO	OCI	OCI DESCRIPTION
EASTGATE ML	EASTGATE DR	OLSON DR	86.444	Good
EASTGATE ML	OLSON DR	EASTGATE CT	85.448	Good
EASTGATE ML	EASTGATE CT	AUTOPORT ML	88.768	Good
EASTGATE ML	AUTOPORT ML	MIRAMAR RD	82.924	Good
EASTGATE ML	BEGIN	EASTGATE DR	80.76	Good
MIRAMAR RD	BLACK MTN RD	KEARNY VILLA RD	75.412	Good
MIRAMAR RD	PADGETT ST	BLACK MTN RD	80.076	Good
MIRAMAR RD	CLAYTON DR	PADGETT ST	83.152	Good
MIRAMAR RD	CAM RUIZ	CLAYTON DR	80.814	Good
MIRAMAR RD	CABOT DR	CAM RUIZ	80.428	Good
MIRAMAR RD	DOWDY DR	CABOT DR	89.722	Good
MIRAMAR RD	EMPIRE ST	DOWDY DR	86.664	Good
MIRAMAR RD	PRODUCTION AV	DISTRIBUTION AV	93.806	Good
MIRAMAR RD	MIRACREST PL	COMMERCE AV	91.444	Good
MIRAMAR RD	CAM SANTA FE	MIRACREST PL	93.502	Good
MIRAMAR RD	MIRAMAR ML	MIRAMAR PL	93.002	Good
MIRAMAR RD	EASTGATE ML	MIRAMAR ML	83.42	Good
MIRAMAR RD	CARROLL RD	EMPIRE ST	85.018	Good
MIRAMAR RD	DISTRIBUTION AV	CARROLL RD	92.196	Good
MIRAMAR RD	COMMERCE AV	PRODUCTION AV	91.056	Good
MIRAMAR RD	MIRAMAR PL	CAM SANTA FE	92.32	Good
KEARNY VILLA RD	TIERRA GRANDE ST	CANDIDA ST	50.054	Fair
KEARNY VILLA RD	MIRAMAR RD	TIERRA GRANDE ST	45.796	Fair
CANDIDA ST	KEARNY VILLA RD	VIA PASAR	40.636	Fair
CANDIDA ST	VIA PASAR	END	52.708	Fair
VIA PASAR	VIA EXCELENCIA	CARROLL CENTRE RD	68.068	Fair
VIA PASAR	CANDIDA ST	VIA EXCELENCIA	43.21	Fair
VIA EXCELENCIA	VIA PASAR	END	57.35	Fair
BUSINESSPARK AV	OLD GROVE RD	WILLOW CREEK RD	72.128	Good
BUSINESSPARK AV	BEGIN	OLD GROVE RD	92.44	Good
BUSINESSPARK AV	WILLOW CREEK RD	CARROLL CANYON RD	69.906	Fair
CARROLL CANYON RD	BUSINESSPARK AV	SCRIPPS RANCH BL	76.316	Good
SCRIPPS RANCH BL	CARROLL CANYON RD	HOYT PARK DR	79.57	Good
HOYT PARK DR	SCRIPPS RANCH BL	MEANLEY DR	56.718	Fair
MEANLEY DR	HOYT PARK DR	END	46.904	Fair



## **Where will the North City Pure Water Pipeline be constructed?**

The pipeline will start at Eastgate Mall and follow Miramar Road to Kearny Villa Road, and continue along Candida Street to Via Pasar and then Via Excelencia. From there, the pipeline will continue under Interstate 15 and along Business Park Avenue to Carroll Canyon Road, then follow Hoyt Park Drive to Meanley Drive before crossing Scripps Lake Drive and ending in the Miramar Reservoir.

## **Did City staff consider alternative routes for the North City Pure Water Pipeline?**

Yes, the City considered numerous potential alignments for the pipeline with the intention to minimize potential impacts to environmental resources and communities. Alignments were evaluated using factors including utility conflicts, easement and property acquisition, operational complexity, energy demand, schedule, risks, construction feasibility, and community and environmental impacts. The project pipeline route was determined after a comprehensive assessment of numerous alignments. Maps of the numerous alignments that were considered can be found in Chapter 3 of the Final North City Environmental Impact Report/Environmental Impact Statement (EIR/EIS) at [www.purewatersd.org/reports](http://www.purewatersd.org/reports).

## **When will the purified water start being sent to the Miramar Reservoir and become part of the drinking water supply?**

The North City Pure Water Facility is scheduled to come online and begin producing water that will be sent to Miramar Reservoir in 2021. From Miramar Reservoir, the purified water will blend with imported and local water supplies and be cleaned again at the nearby drinking water plant before being sent to taps.

## **When will the North City Pure Water Pipeline be constructed? What efforts are being made to minimize impacts to nearby communities during construction?**

Construction is anticipated to take place between 2019 and 2021. The City has formed a community working group and is obtaining input from community members on the phasing of construction, work days and hours, and work restrictions to maintain access to schools, businesses, religious centers and more.

## **How will the North City Pure Water Pipeline be constructed and what is the pipe material?**

The majority of the pipeline will be constructed by conventional open trench methods. Trenchless construction will be used to avoid environmentally sensitive areas, railroad and freeway crossings, and in areas that contain many existing utilities. The pipe will be 48-inches in diameter and made of steel with welded joints.

## **Will there be any impacts to recreation at the Miramar Reservoir during construction?**

The Miramar Reservoir will be closed to boating for approximately nine months to allow for the construction and installation of the one-mile underwater pipeline that will distribute the purified water throughout the reservoir. The underwater pipeline will be constructed at the reservoir, which will result in a temporary loss of parking spaces at the reservoir for up to nine months. Alternative locations for parking during construction will include the Scripps Miramar Ranch Library and the Dog Park on Meanley Drive. Access to trails and offshore fishing will be maintained throughout construction.

## **What time of day will construction take place?**

Based on traffic count data and the existence of schools and businesses near the alignment, the City is proposing most construction occur between 9 p.m. and 5 a.m. on Sunday through Thursday. In the few areas where daytime construction will occur, there will always be one lane of traffic maintained in each direction.



**Will roads be resurfaced once construction is completed?**

Yes, the full width of all roads where construction occurs will either be slurry sealed or paved with asphalt concrete from gutter to gutter. The City evaluates the pavement condition to determine whether a road is slurry sealed or repaved. Once a street has been restored, a three or five-year moratorium will be in place to ensure lasting roadway surface. In addition, all pedestrian curb ramps will be upgraded to meet current ADA standards.

**Will any landscape that is removed/impacted during construction be replaced?**

Yes, any landscaping that is impacted during construction will be replaced and restored to the original condition at a minimum.

**What happens if construction crews discover an archeological site during construction?**

All construction will stop in that area and the principal investigator, City Development Services staff, resident engineer and construction manager will be notified. If human remains are found a medical examiner will also be notified. The staff will determine the significance of the site, establish an Archaeological Data Recovery Program before excavation resumes and document, analyze, curate and report on their findings. The contractor may mobilize to another location and continue work while this process is taking place.

**Is there any risk of erosion when tunneling into Miramar Reservoir if we have an earthquake occur that could unsettle that piping within the reservoir?**

The pipeline has been reviewed structurally and the tunnel into Miramar Reservoir is close to the bottom of the reservoir so there will not be risk of erosion.

**Is there a backflow prevention in case there is a failure in the pump? Where are the shutoffs located?**

There will be a fiber optic line that will run along the pipe to automatically shut down the pump if there were a break in the pipe. The moment you shut the pump down there will be no water pumped through it. There are also diffusers in the reservoir called "duck bill valves." If the water shuts off, these valves close. No water will backflow through the pipeline if the pumps are shut down. Along the pipeline there are also isolation valves.

**How will the portion of the pipeline be constructed at Miramar Reservoir? How far underground/underwater will the pipeline be? Will the entrance to Miramar Reservoir be impacted?**

Construction will start adjacent to the current Clearwells Project and include a shaft 90-feet deep and tunnel towards Evan's Pond. The contractor will then tunnel from the same 90-feet deep shaft towards and into Miramar Reservoir. The subaqueous pipeline within Miramar Reservoir will be connected to that portion of the pipeline once it is ready to be installed. The entrance to the reserve will not be impacted during construction.

**How can residents and businesses stay informed during construction?**

The City will post construction schedules and information on the Pure Water website at [www.purewatersd.org/phase1](http://www.purewatersd.org/phase1). Additionally, community members can sign up to receive construction updates via email on the website. Any questions or concerns can be directed via email to [purewatersd@sandiego.gov](mailto:purewatersd@sandiego.gov) or phone to 619-533-7572.