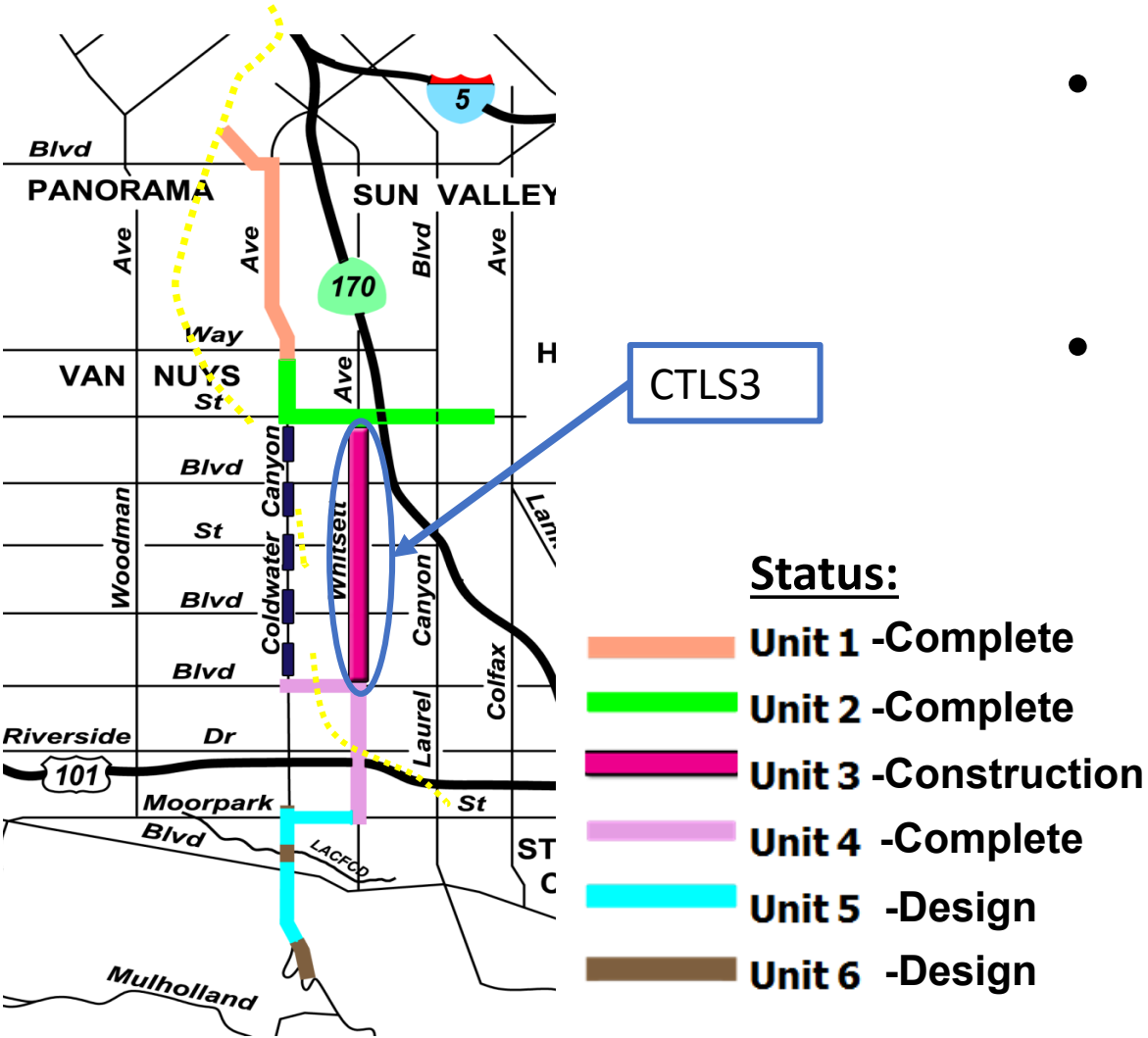




## City Trunk Line South – Unit 3

Eric Kim, PM

# Project Overview- City Trunk Line South



- CTLS replaces approximately 42,000 feet of 51-inch to 72-inch diameter steel pipe
- Serves potable water to the North Hollywood/Valley Village area

# Project Overview

Why is this project necessary?

1. Safety
2. Reliability
3. Sustainability



# Project Overview- City Trunk Line South Unit 3



**Legend**

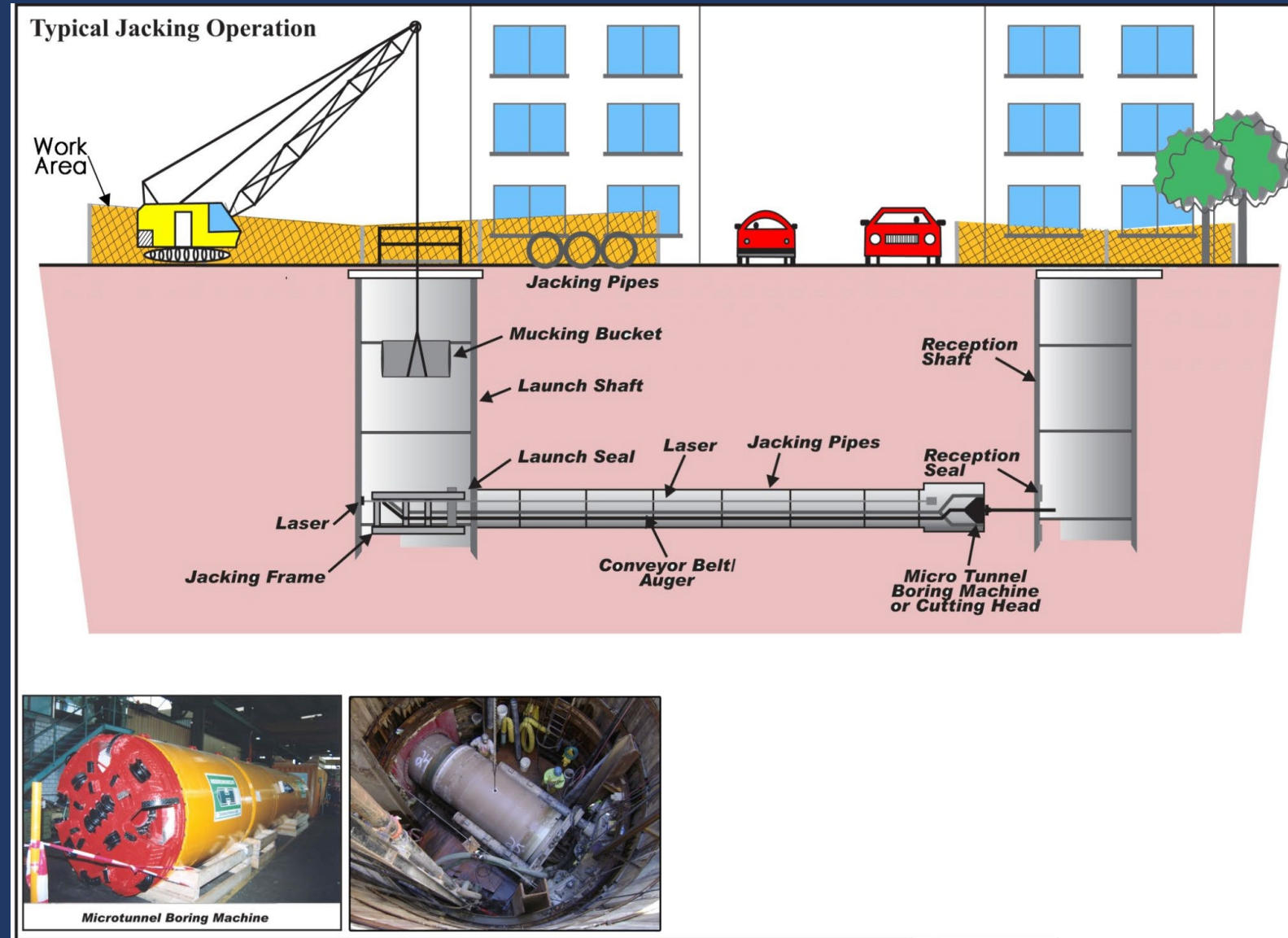
- Pipe Jacking Work Areas
- Open Trench Work Areas

Method	Length	Percent Complete
Pipe Jacking	5,597 ft	85%
Open Trench	4,654 ft	100%

# Construction Method: Open Trench

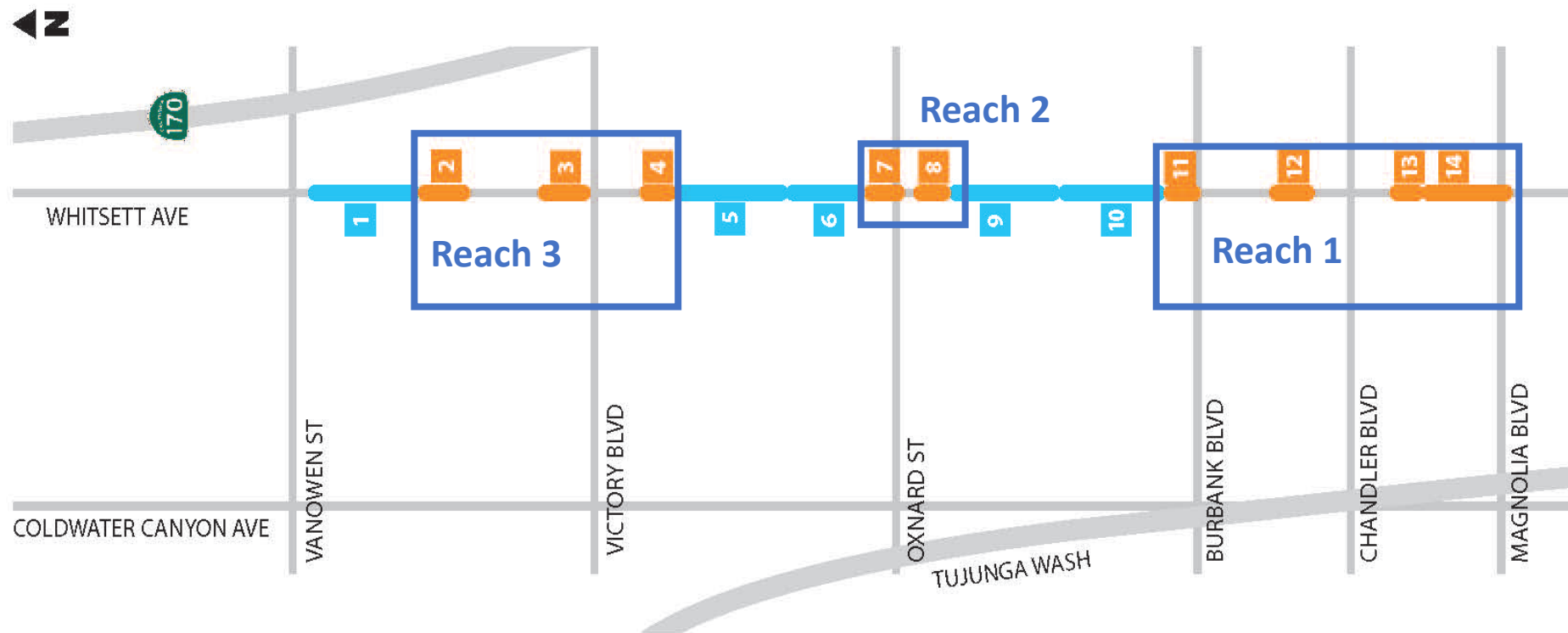


# Construction Method: Pipe Jacking



# Construction Tunneling Update

- Reach 1 completion June 2022
- Reach 2 completion November 2022
- Reach 3 complete

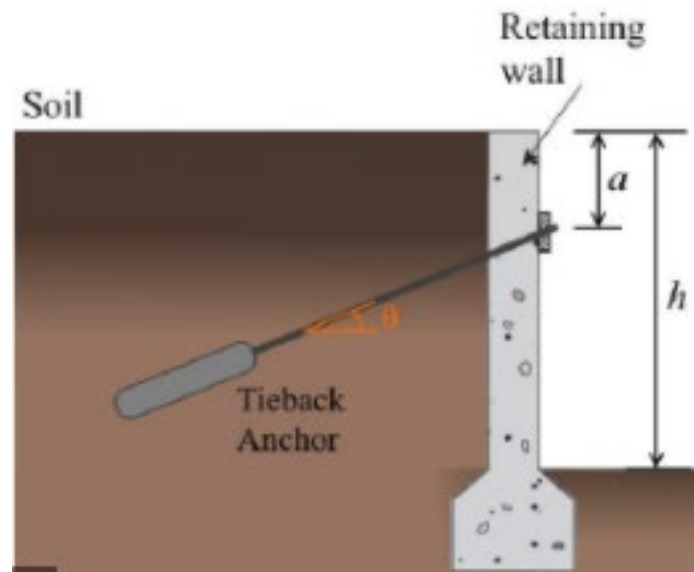


# Tunneling Issues in Reach 1

- Tieback Anchors
- Change of Tunnel Boring Machine (TBM)
- Permeation Grouting by Horizontal Directional Drilling (HDD)



Closed face TBM



Tieback Anchors



Open face TBM





## Q & A

Thank you for your time!

### Contact Information

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Michael Ventre

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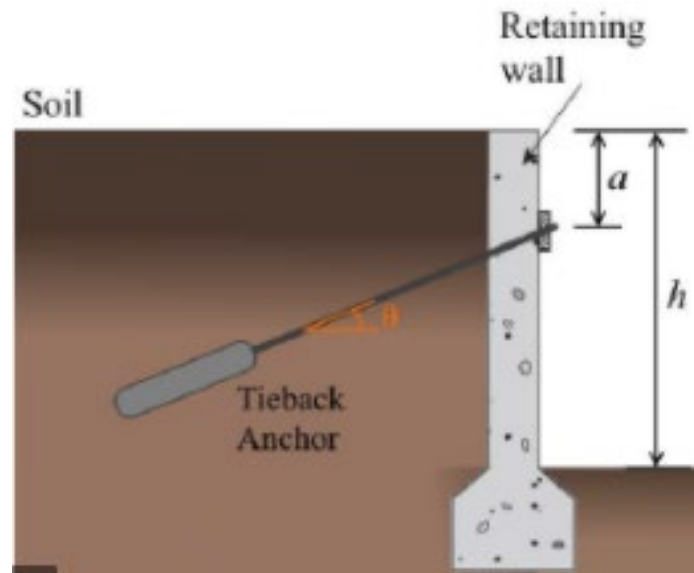
For project updates visit: [www.LADWP.com/CTLS3](http://www.LADWP.com/CTLS3)

# Tunneling Issues in Reach 1

- Tieback Anchors
- Change of Tunnel Boring Machine (TBM)
- Permeation Grouting by Horizontal Directional Drilling (HDD)



Closed face TBM



Tieback Anchors

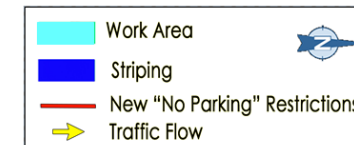


Open face TBM

# Construction Overview → WA 2~WA 4 TCP : Work Hours



→ North

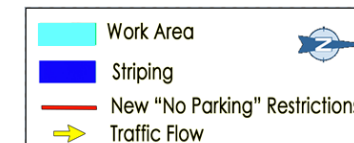


1. Minimum one lane traffic open on both Northbound/Southbound.
2. Work hours: Monday-Friday 7 am-6 pm

# Construction Overview → WA 7, WA 8 TCP : Work Hours



→ North

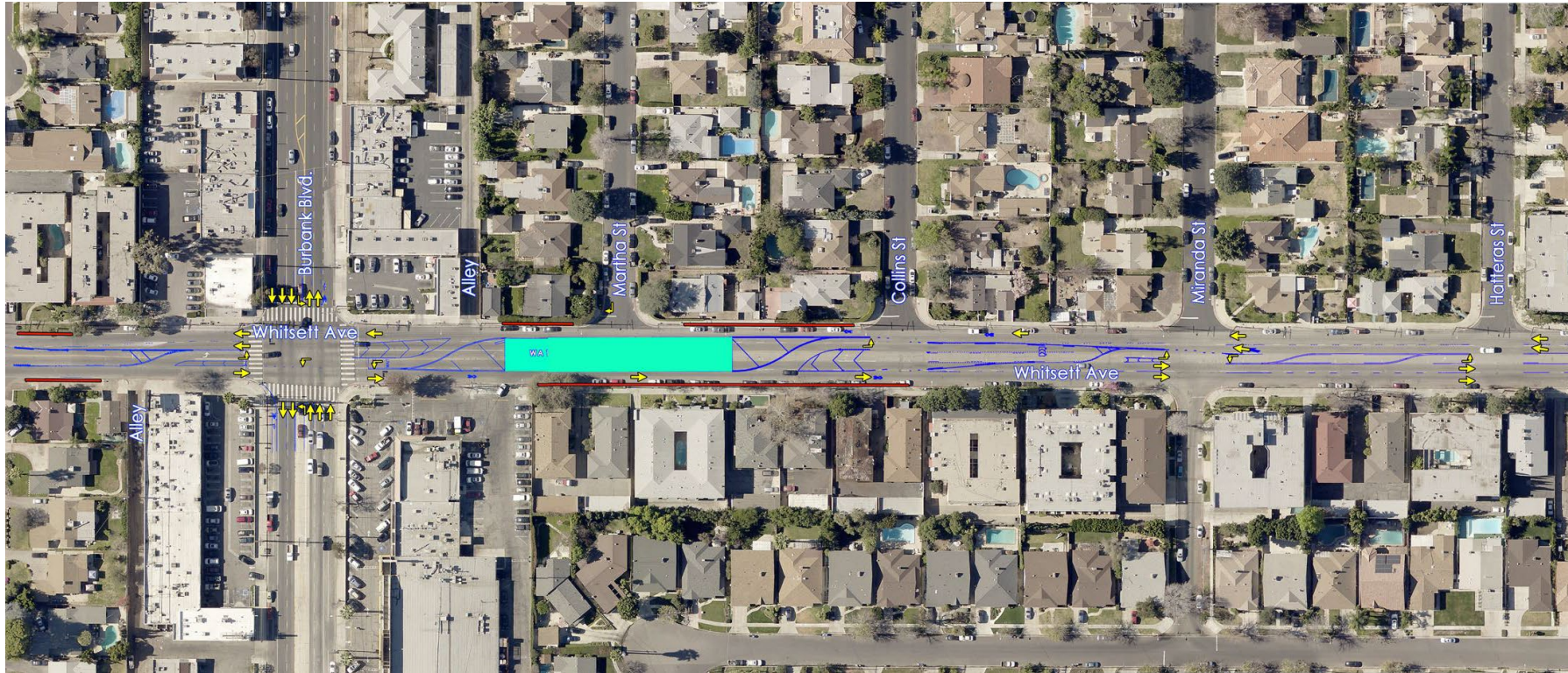


1. Minimum one lane traffic open on both Northbound/Southbound.
2. Work hours: Monday-Friday 7 am-6 pm

# Traffic Control Plans (TCP) – Work Area 11~14



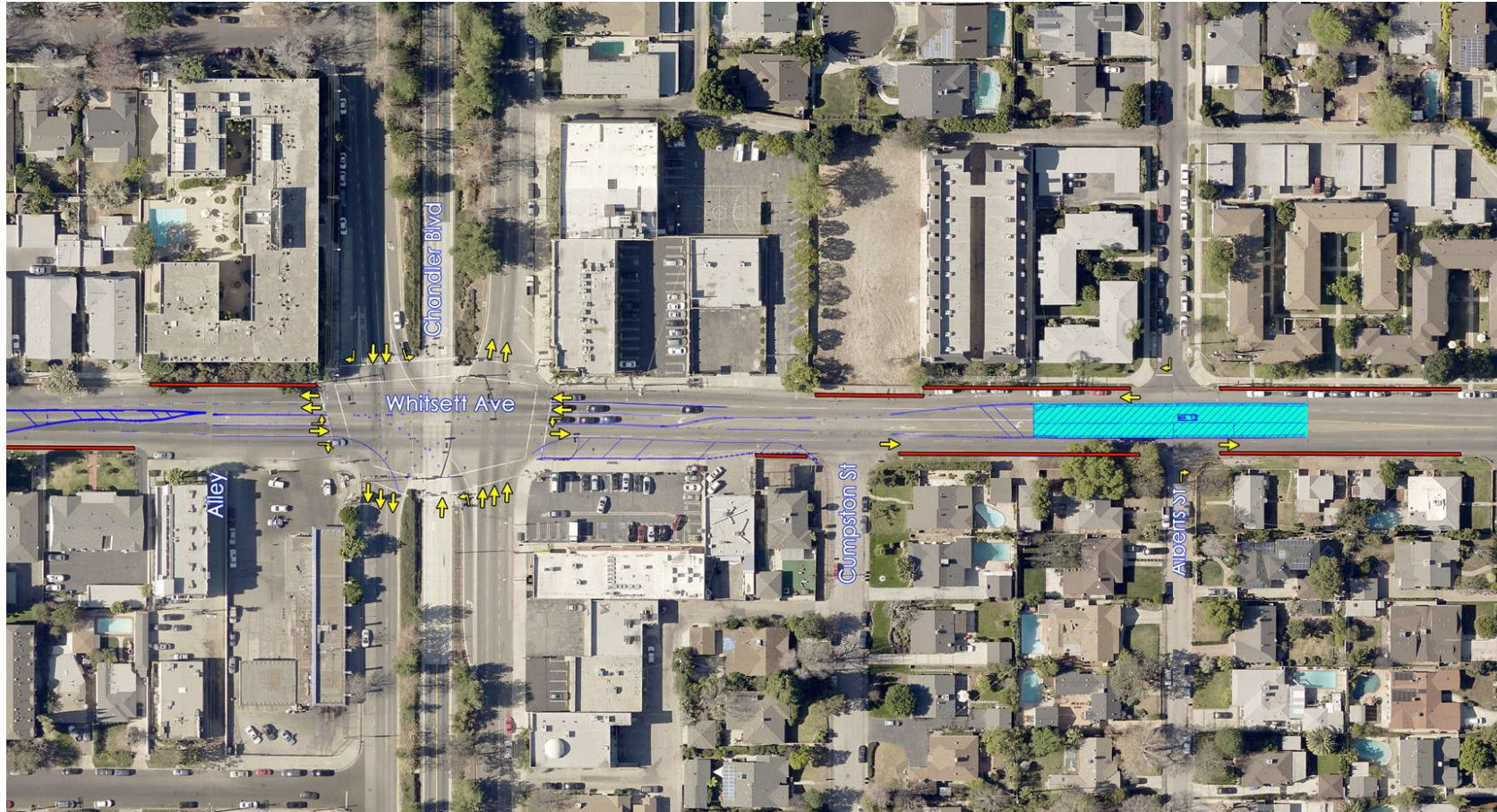
# Traffic Control Plans (TCP) – Work Area 11



1. North of Burbank Blvd. and Whitsett Ave.
2. One lane for Northbound and Southbound traffic
3. No street parking along work area



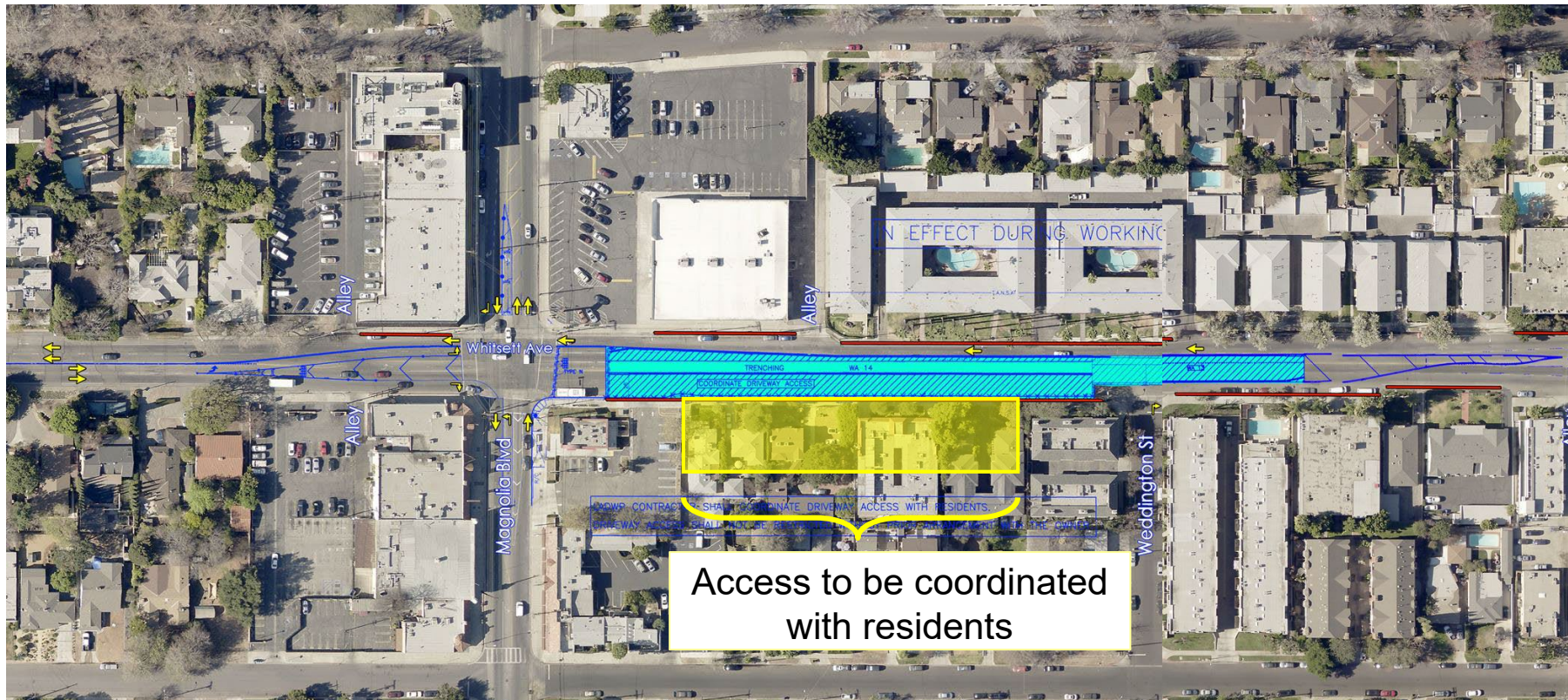
# TCP- Work Area 12



1. North of Chandler Blvd. and Whitsett Ave.
2. One lane for Northbound and Southbound traffic
3. No street parking along work area



# TCP– Work Area 13 & 14



1. Southbound Traffic Only between Magnolia Blvd & Weddington St.
2. Access to residents on Eastside Whitsett during working hours to be coordinated with LADWP/Contractor
3. Work hours: Monday-Friday 7 am-6 pm





# TCP – Work Area 13 & 14 → Non-working hours



1. Southbound Traffic Only between Magnolia Blvd & Weddington St.
2. During non-working hours, access road provided for residents only

