



CUSTOMERS FIRST

City Trunk Line South – Unit 3

Community Meeting

September 2019

Presented by: Johan Torroledo, M.S., P.E.
 Sarah LaCombe, P.E.
 Victor Garcia

Purpose of Community Meeting

- Provide project overview
- Review ongoing and upcoming construction activities
 - **Work Areas 11, 12, 13, 14**
- Review mitigation measures



Meeting Agenda

1. Presentation

- Project Team
- Project Overview
- Project Schedule
- Construction Updates
 - ✓ Ongoing cut-and-cover construction (Phase 1)
 - ✓ Upcoming pipe jacking construction (Phase 2)
- Mitigation Measures
- Contact Information

2. Q & A

3. Open House: One-on-One with Project Team

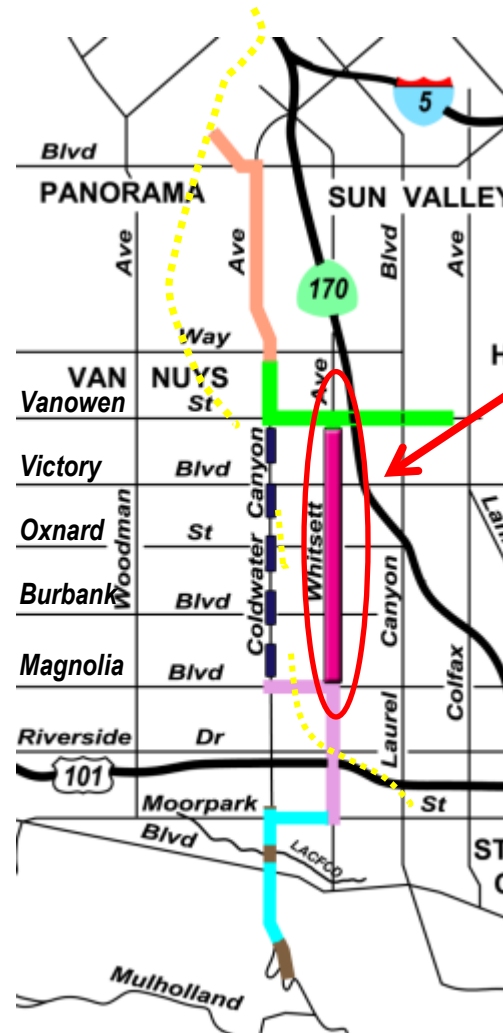
Project Team

Project Team	
LADWP Project Management Team:	Johan Torroledo, Project Manager (PM)
	Thayne Devorss, Construction Manager (CM)
	Sarah LaCombe, Assistant PM
	Raul Llamas, Resident Engineer (RE)
	Steve Lew, Construction Engineer (Phase 1)
LADWP Community Relations Team:	Stephanie Spicer
	Christina Holland
LADWP Capital Business Retention Program:	Cynthia Meekins
	Victor Garcia
General Contractor:	W. A. Rasic
On site Phone Number:	To be provided at the start of pipe jacking construction
Project Website	Project Team Contact Information Available at <ul style="list-style-type: none">www.ladwp.com/CTLS3 sign up for updates

Project Overview – CTLS3

CTLS3 is the third of six projects encompassing the City Trunk Line South (CTLS) Project, which replaces approximately 42,000 feet of 51-inch to 72-inch diameter riveted steel pipe.

The existing City Trunk Line serves potable water to the North Hollywood/Valley Village area and conveys water between the Los Angeles and Franklin Reservoirs.

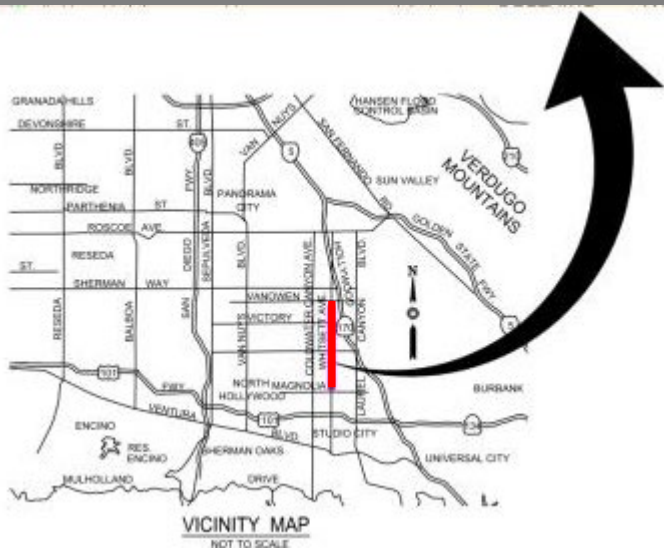
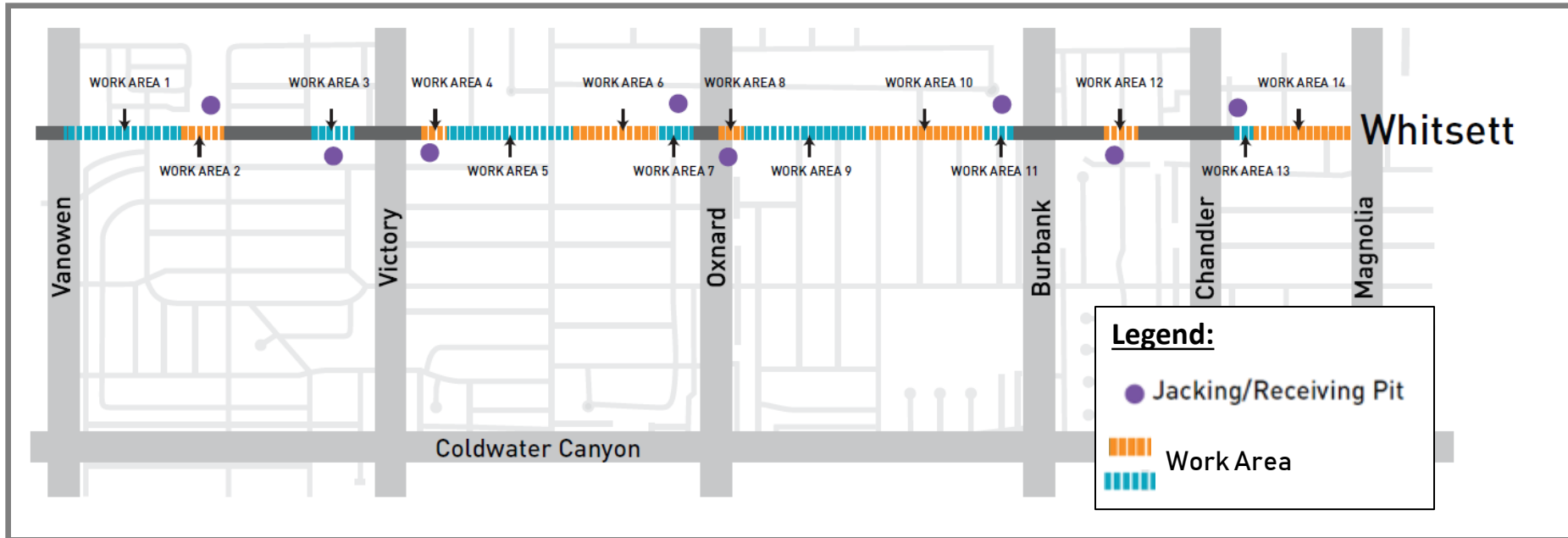


CTLS Unit 3

Status:

-  **Unit 1** - Complete
-  **Unit 2** - Complete
-  **Unit 3** - Construction
-  **Unit 4** - Complete
-  **Unit 5** - Design
-  **Unit 6** - Design

Project Overview – CTLS3



North

New water trunk line in North Hollywood

- **Location:** Whitsett Avenue between Vanowen Street and Magnolia Boulevard.
- **Diameter:** 60 inch diameter
- **Length:** 10,250 feet, or approximately 1.9 miles

Why is this Project necessary?

1. **Safety:**

- a. Replace **aging infrastructure:** Replace 100+ year old City Trunk Line constructed in 1914 and located in Coldwater Canyon Avenue.

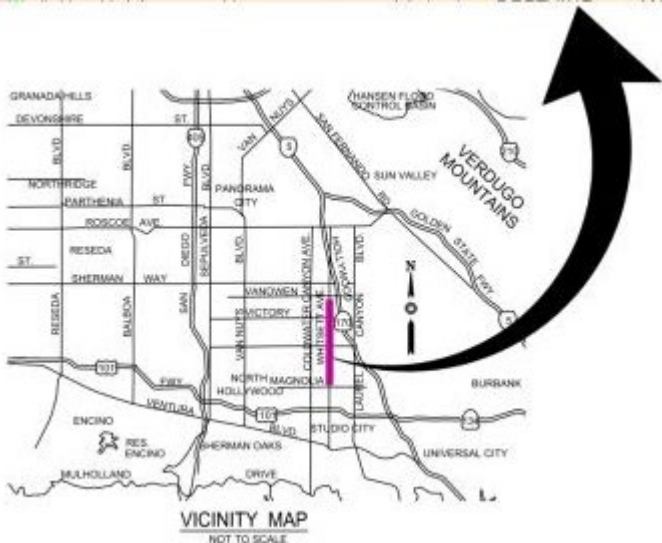
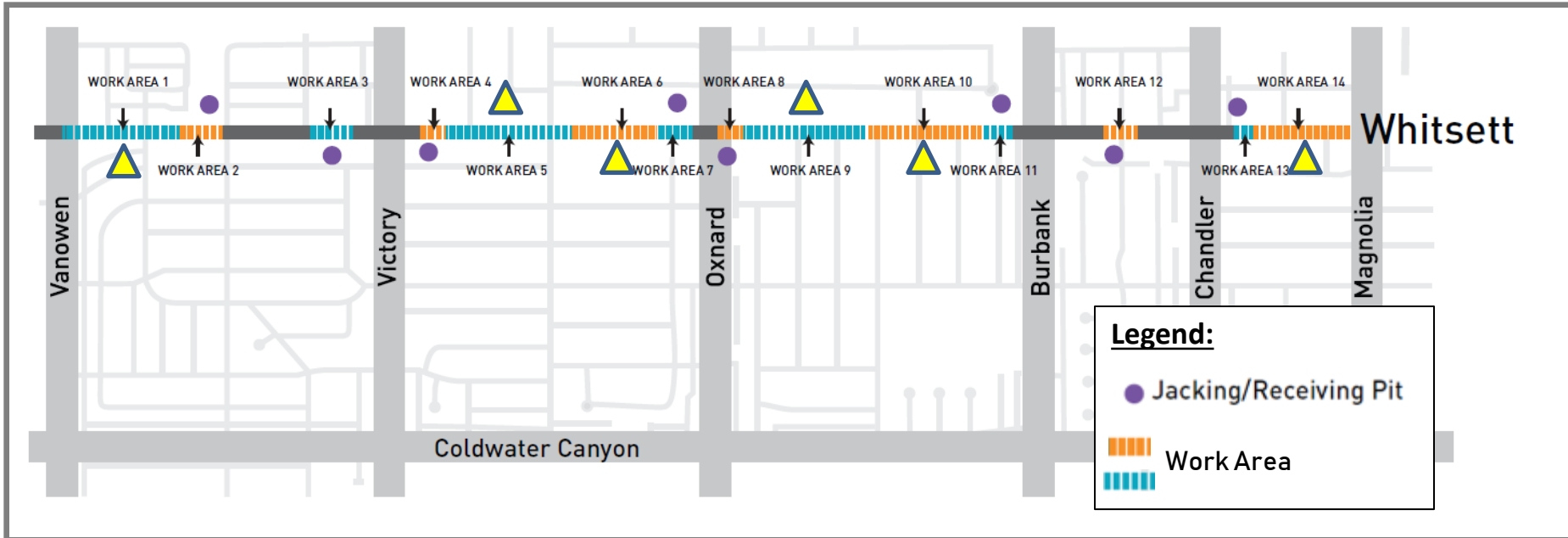
2. **Reliability:**

- a. Provide a more **reliable supply of water** to the central Los Angeles area.
- b. **Increased storage capacity:** Drought & Removal of open-air reservoirs which reduce in-city water supply.

3. **Sustainability:**

- a. Allow **greater operational flexibility** and an **improved water distribution** system for the City of Los Angeles.

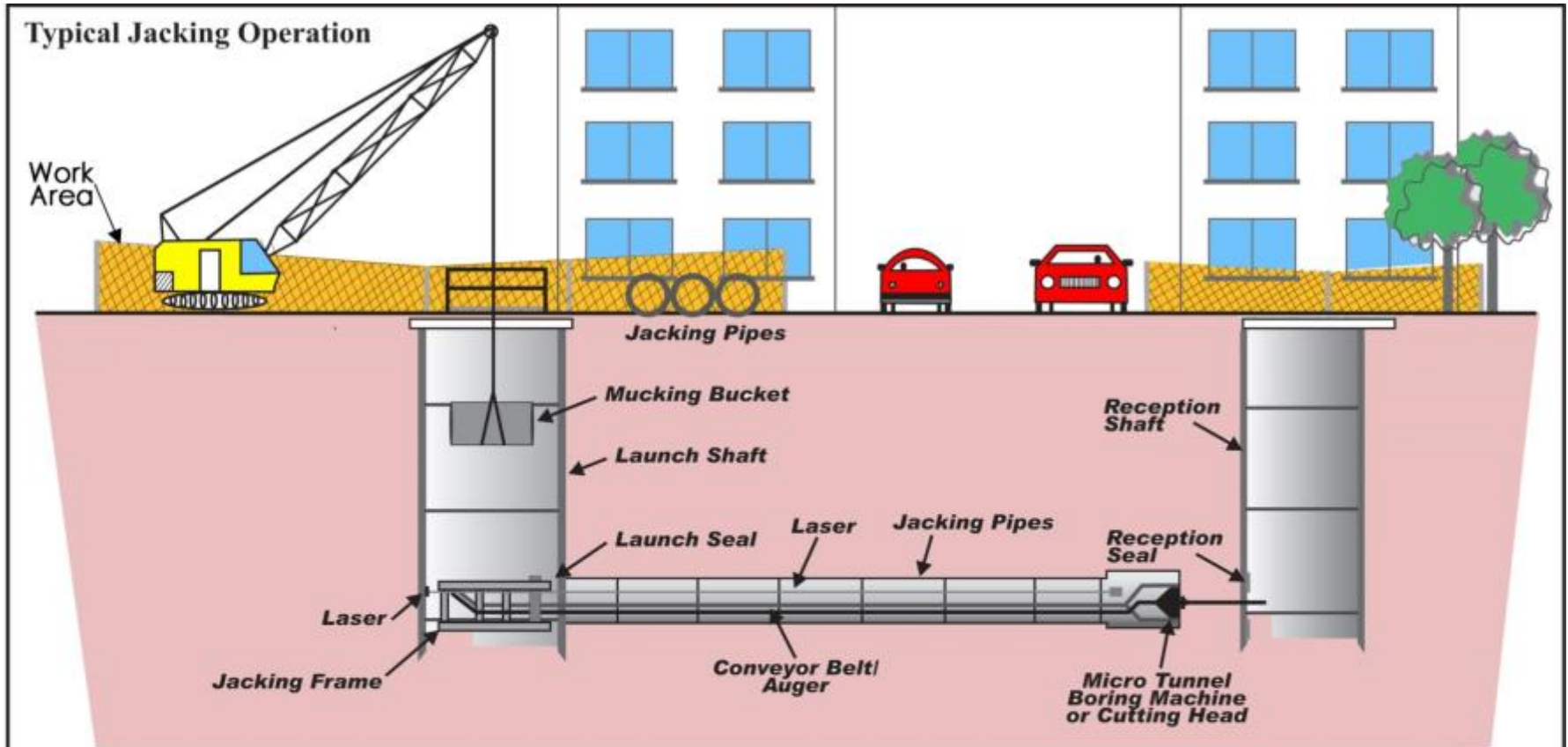
Construction overview - Methods



← North

Method	Length
● Pipe Jacking	4,186 ft
▲ Cut and Cover	6,064 ft

Construction Overview → Pipe Jacking



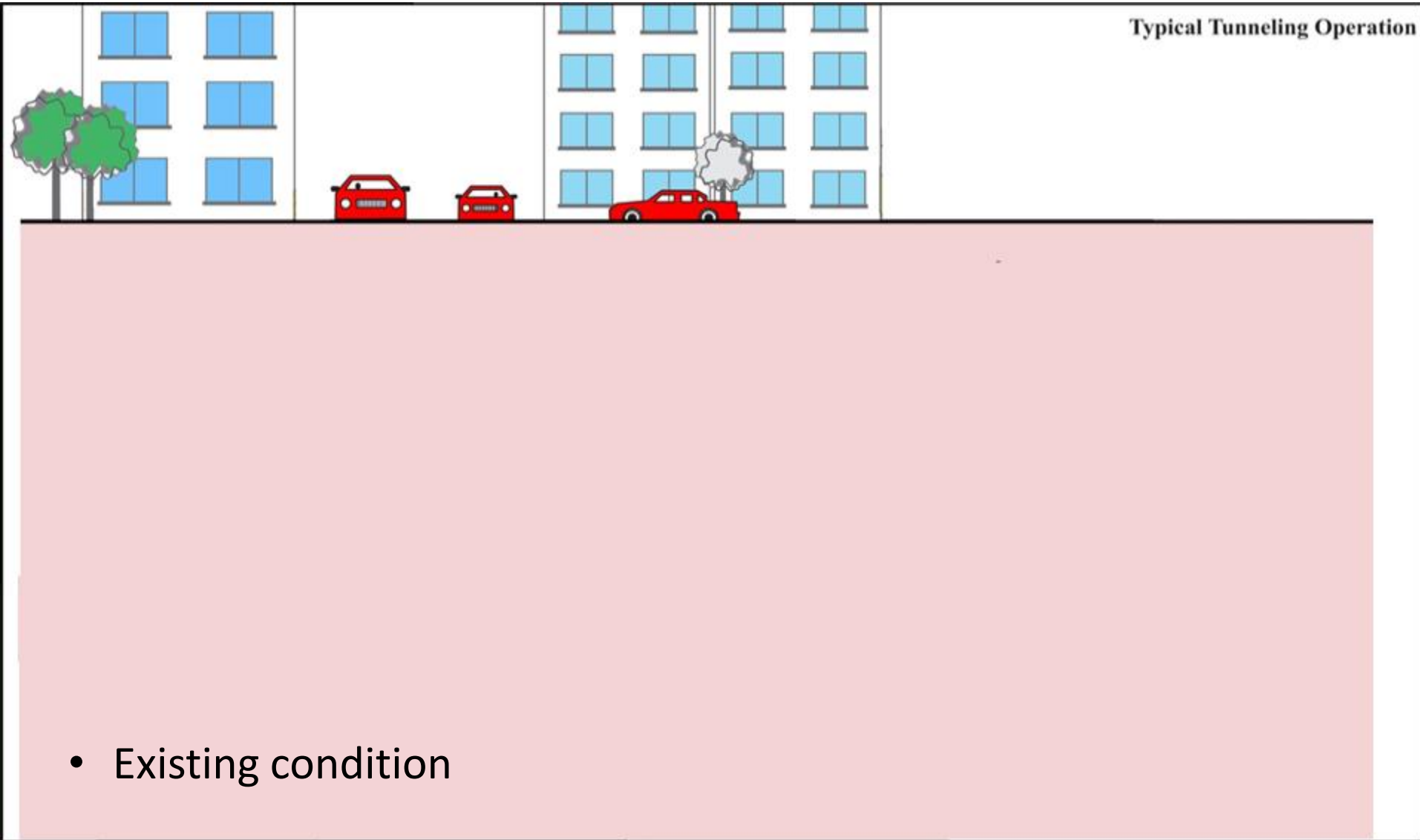
Microtunnel Boring Machine



Launching Pit		Receiving Pit	
Kittridge Street	to	Victory Blvd	
North of Oxnard	to	South of Oxnard	
Burbank Blvd	to	Chandler Blvd	

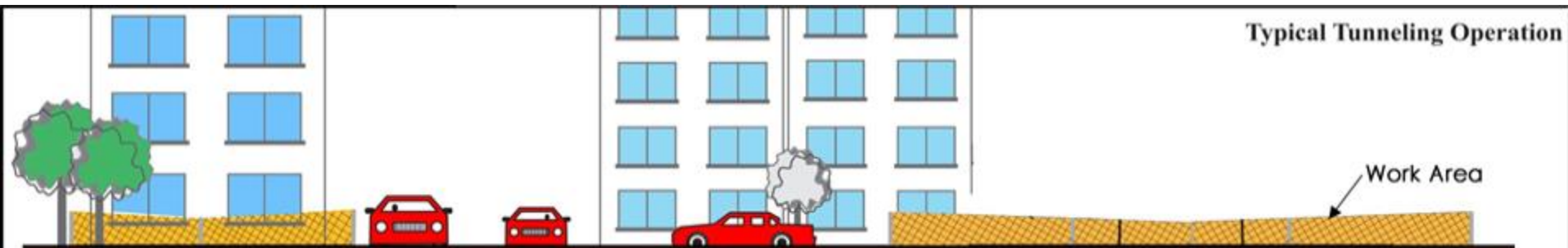
Construction Overview → Pipe Jacking

Typical Tunneling Operation



- Existing condition

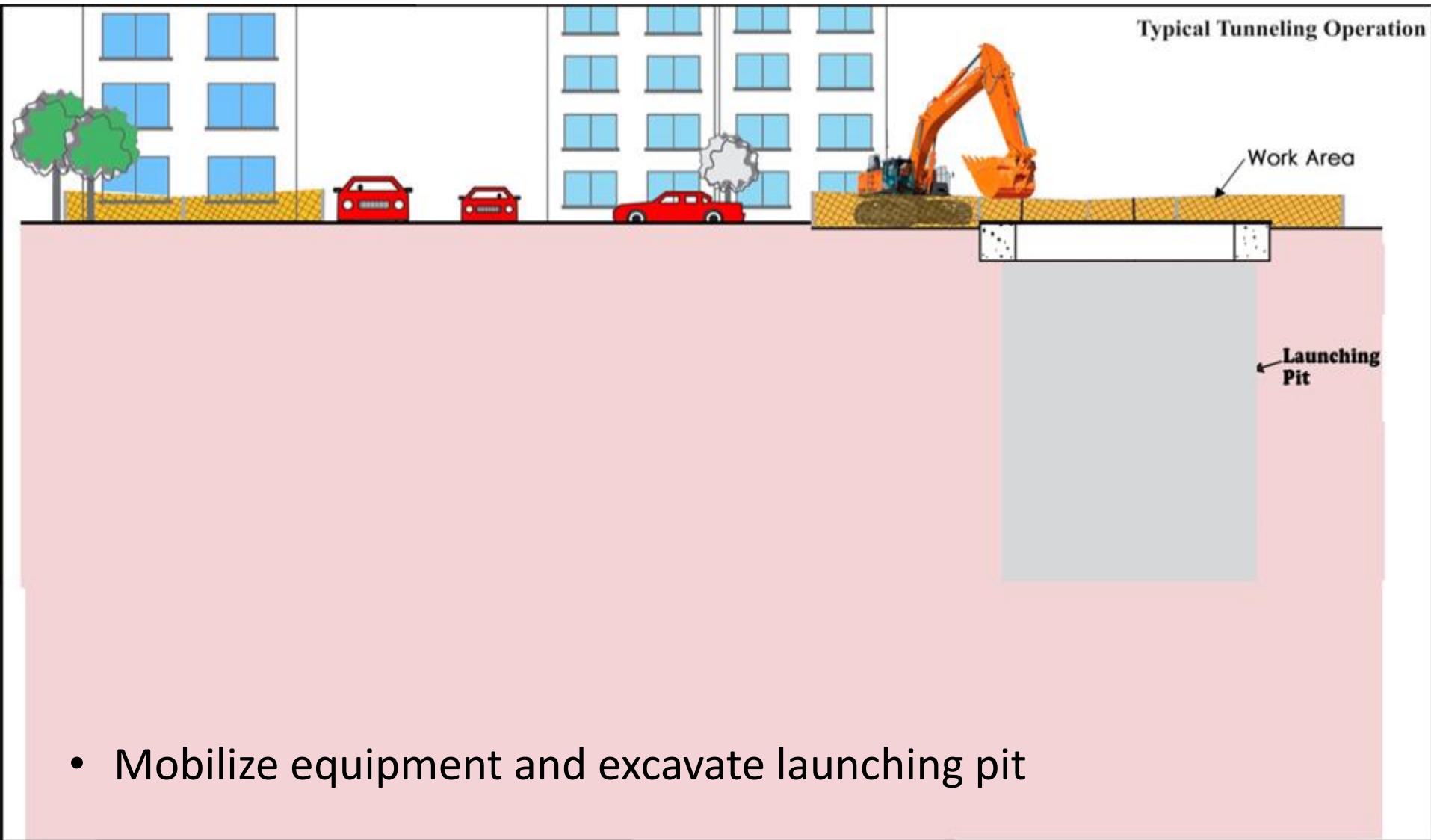
Construction Overview → Pipe Jacking



- Traffic Control Plan Implementation:

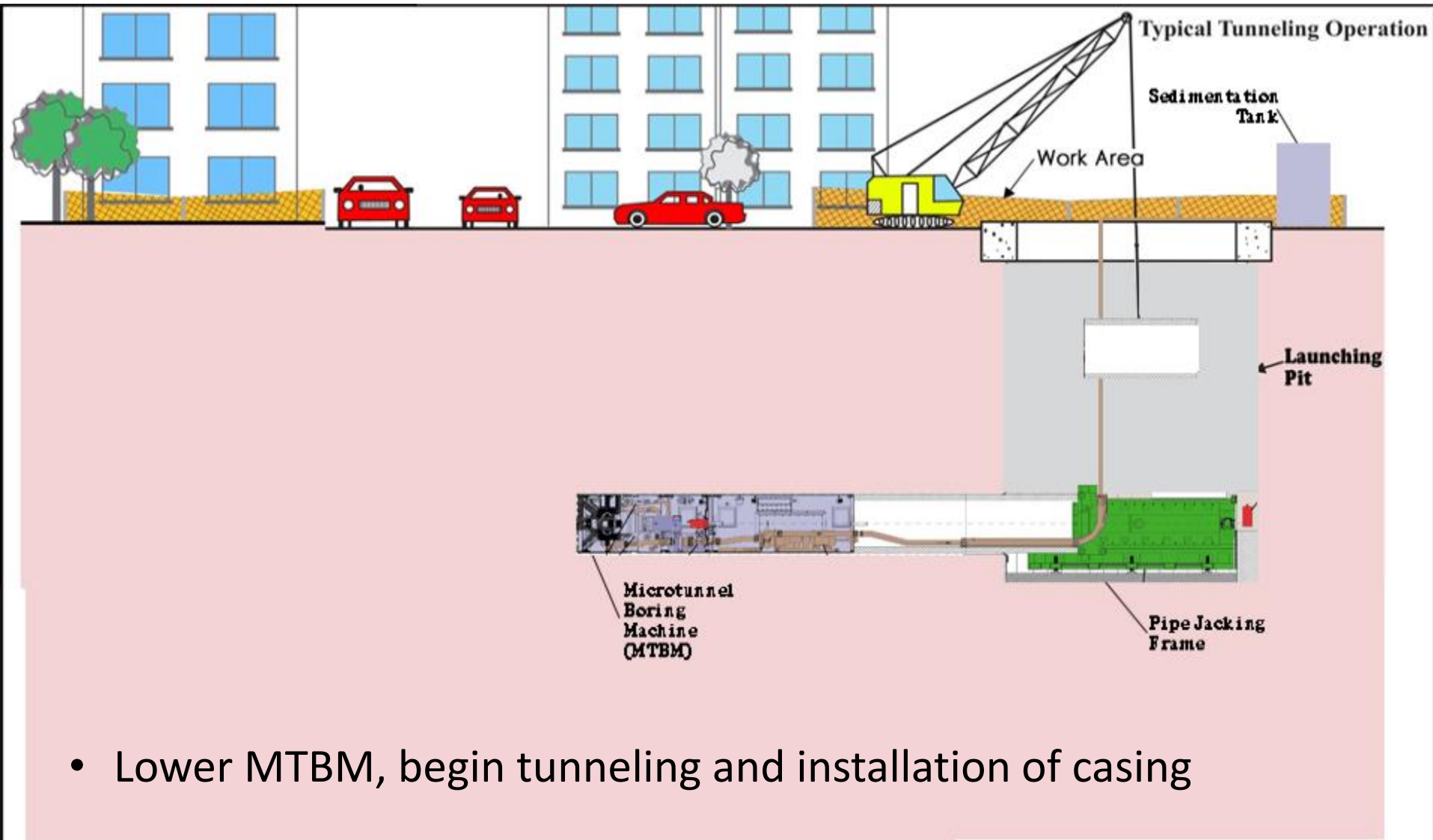
The basic objective of each **traffic control plan** (TCP) is to permit the contractor to work within the public right of way efficiently and effectively while maintaining a safe, uniform flow of **traffic**

Construction Overview → Pipe Jacking



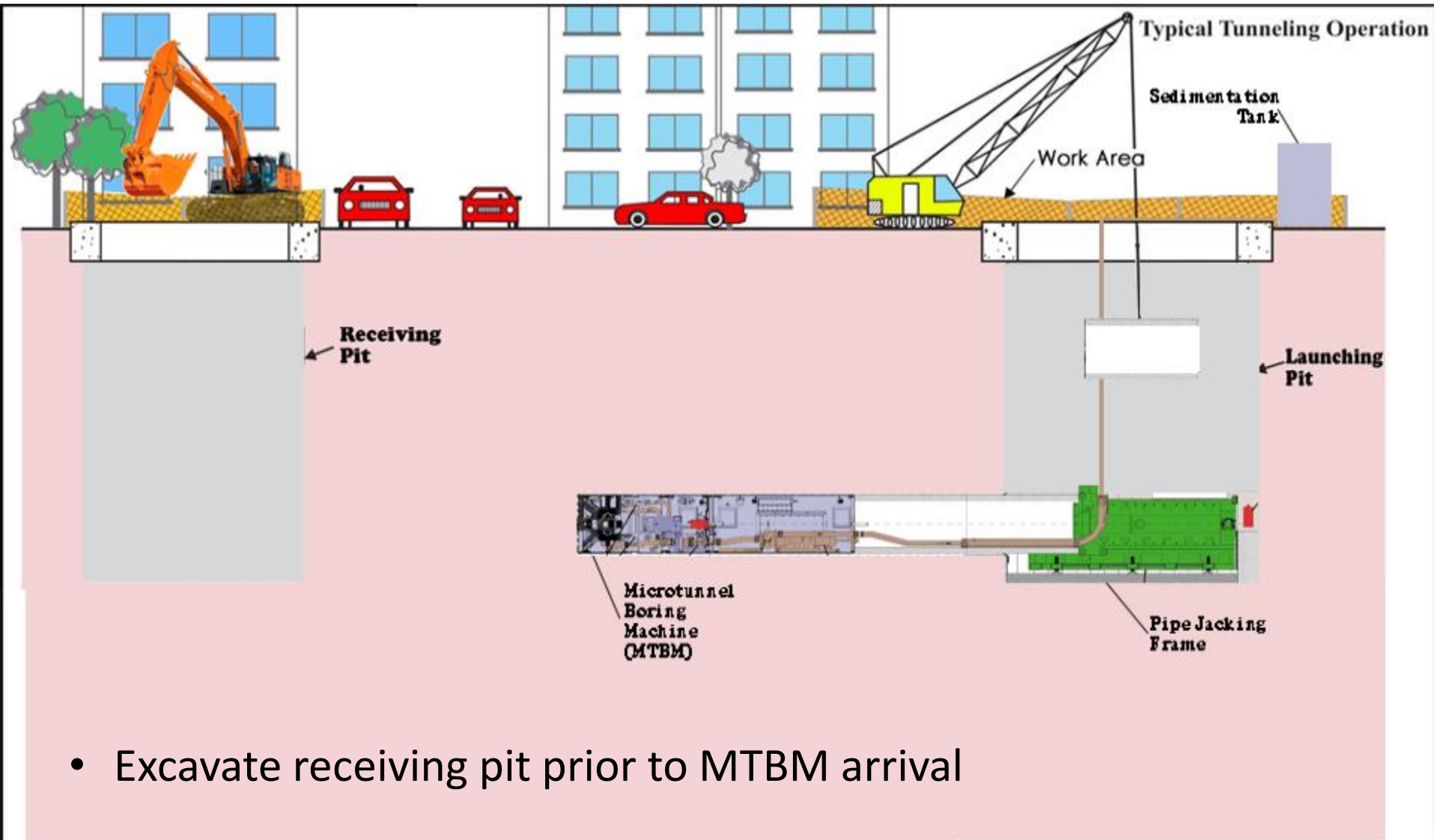
- Mobilize equipment and excavate launching pit

Construction Overview → Pipe Jacking

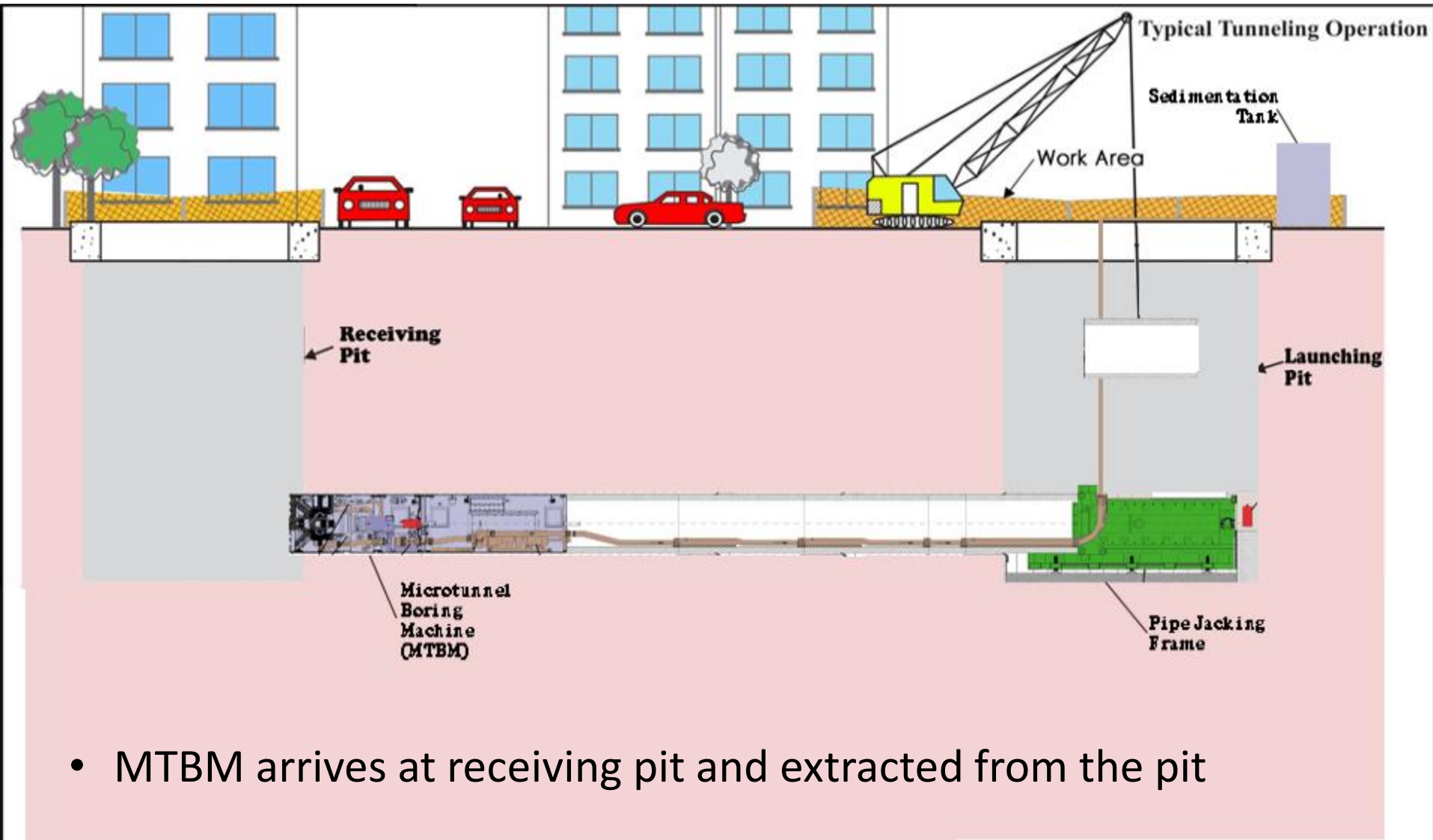


- Lower MTBM, begin tunneling and installation of casing

Construction Overview → Pipe Jacking

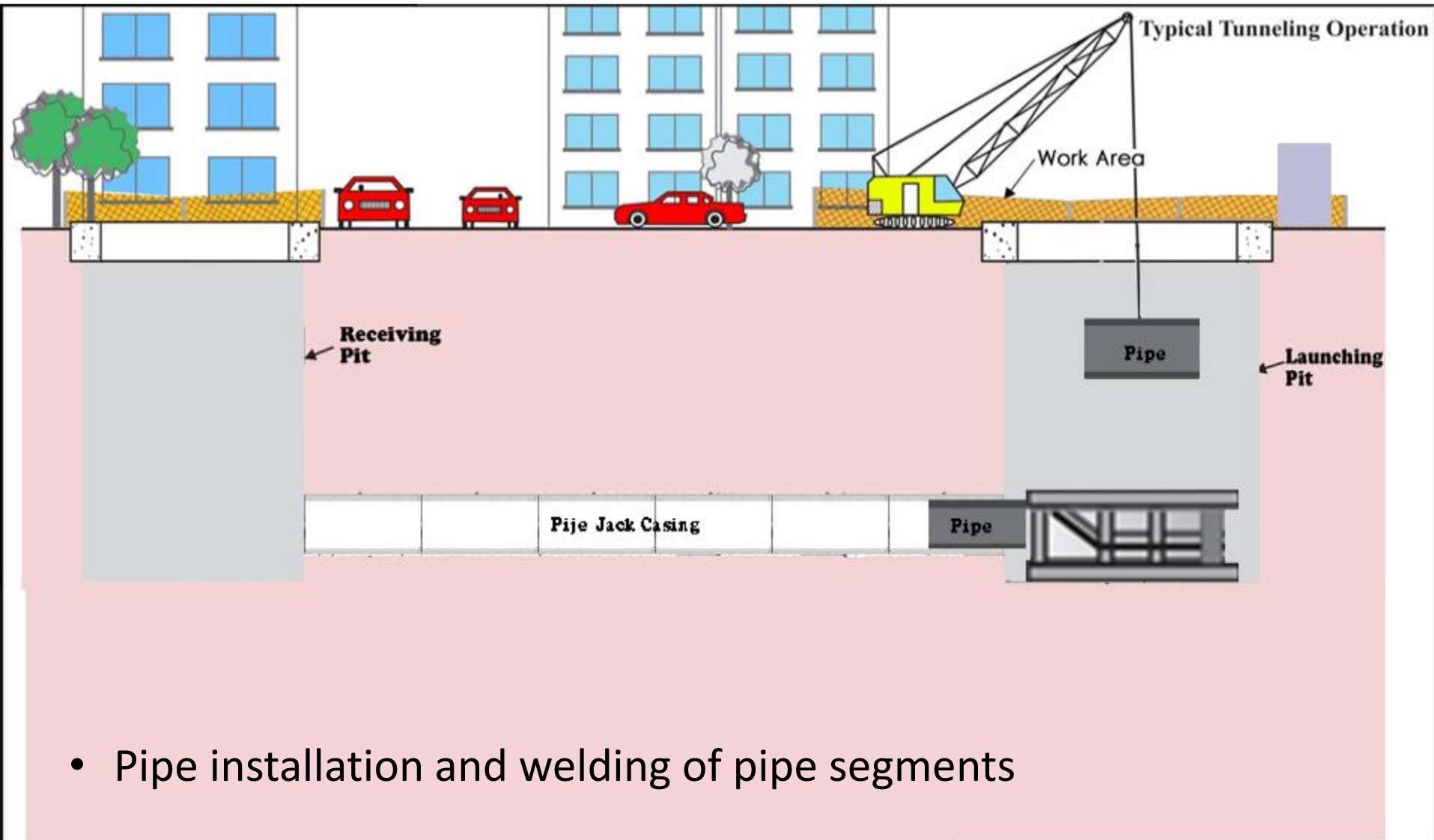


Construction Overview → Pipe Jacking

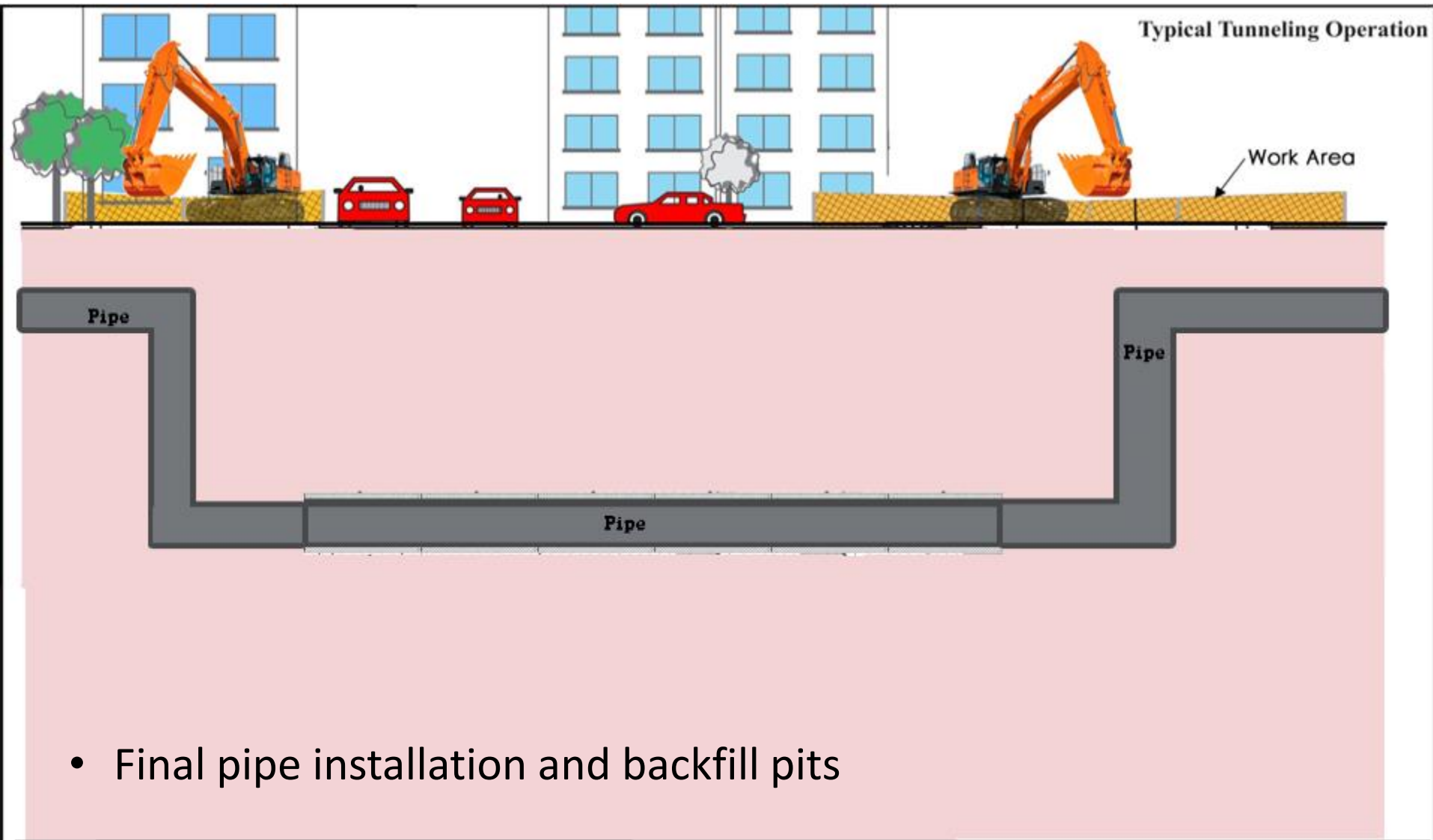


- MTBM arrives at receiving pit and extracted from the pit

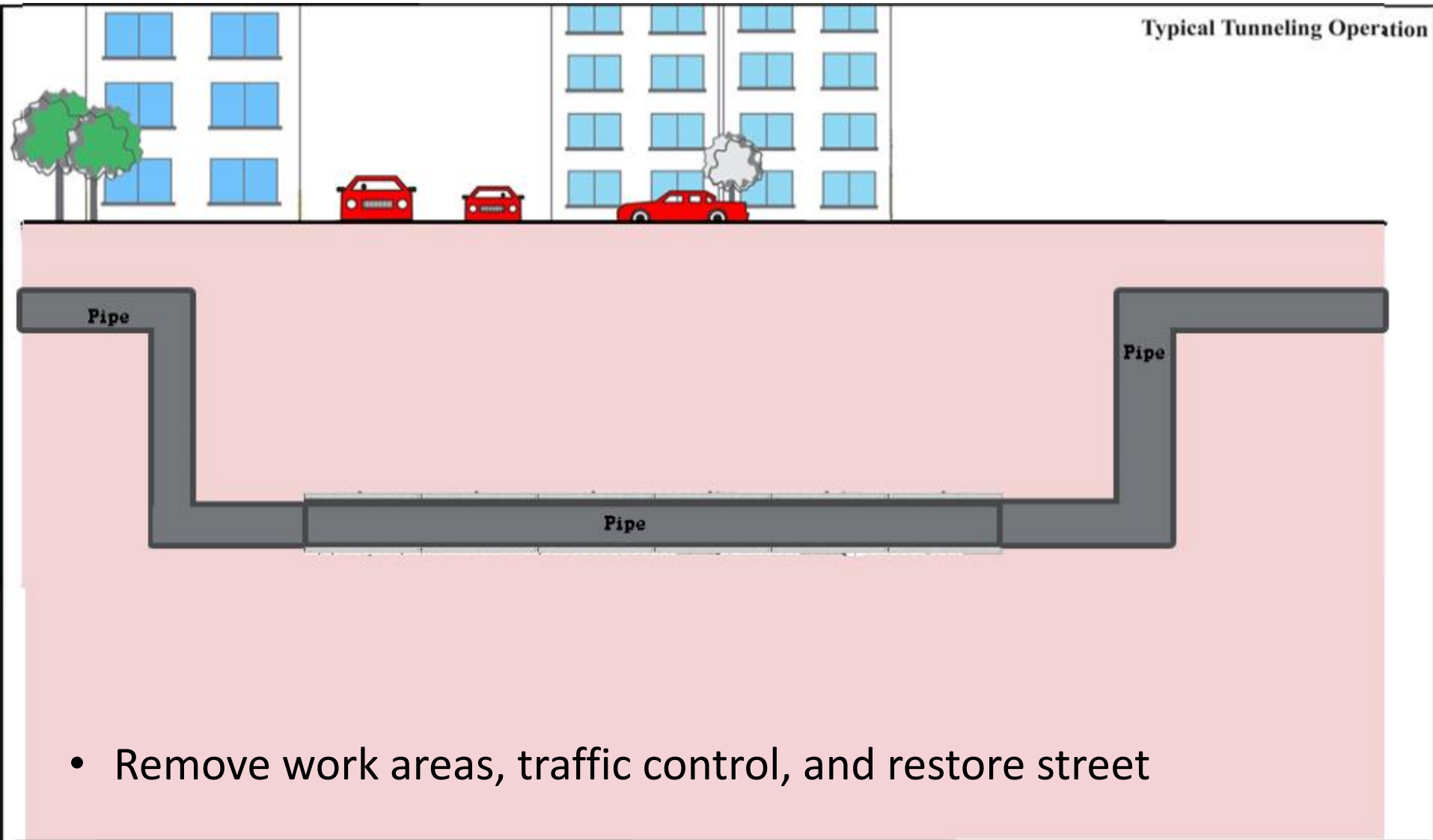
Construction Overview → Pipe Jacking



Construction Overview → Pipe Jacking

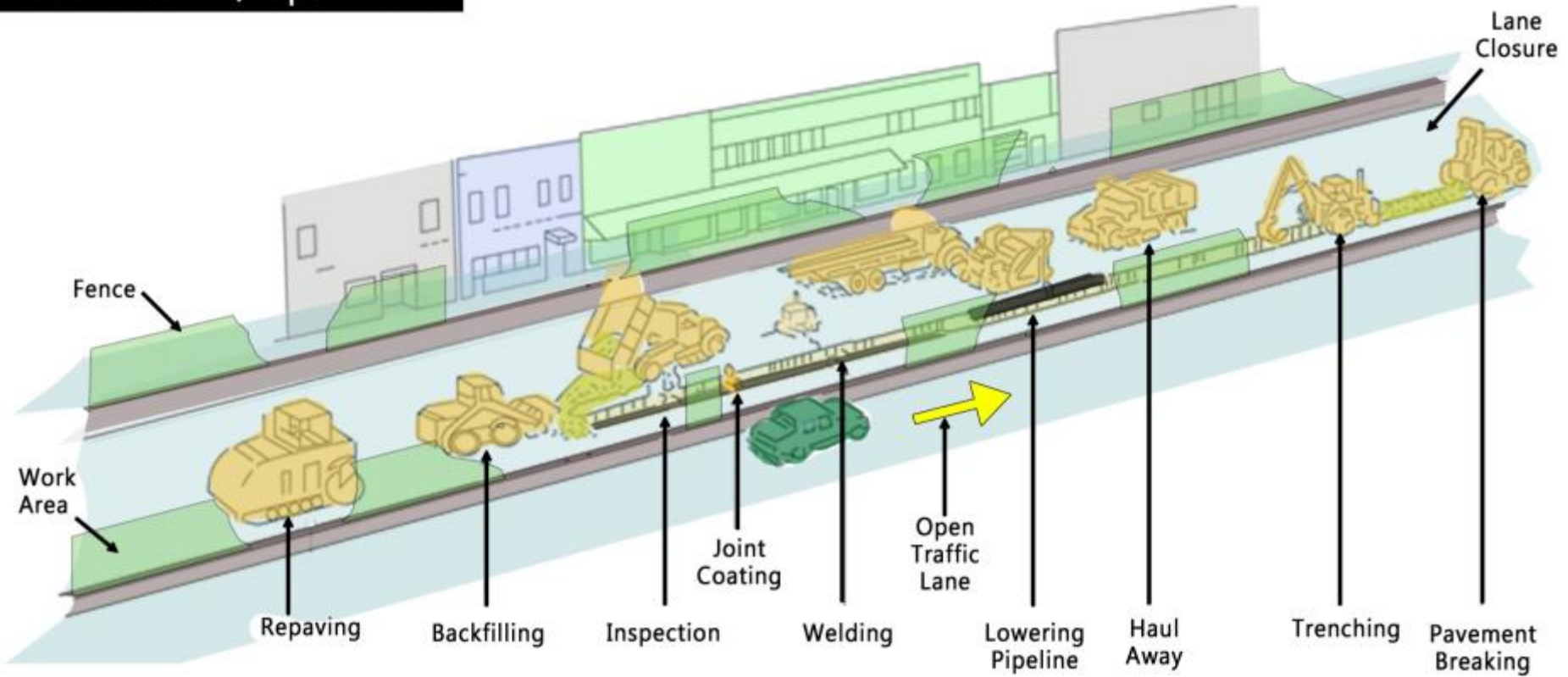


Construction Overview → Pipe Jacking



Construction Overview → Cut and Cover WA 14

Cut and Cover / Open Trench



Construction Overview – Schedule

Estimated Schedule Dates	
Start of Construction (Phase 1 - cut and cover)	August 2016
Start of Construction (Phase 2 - pipe jacking)	October 2019
Total Construction Duration	6 years Divided between 14 work areas
Construction Complete	Fall 2022

- Dividing the project in multiple WA isolates the impact of construction to specific sites.
- The project is constructed in a linear fashion, moving from one area to another, over the project duration. Multiple WA will only occur during the pipe jacking operation.
- Pipe-jacking construction methods will be used along major key intersections to alleviate impacts to traffic.

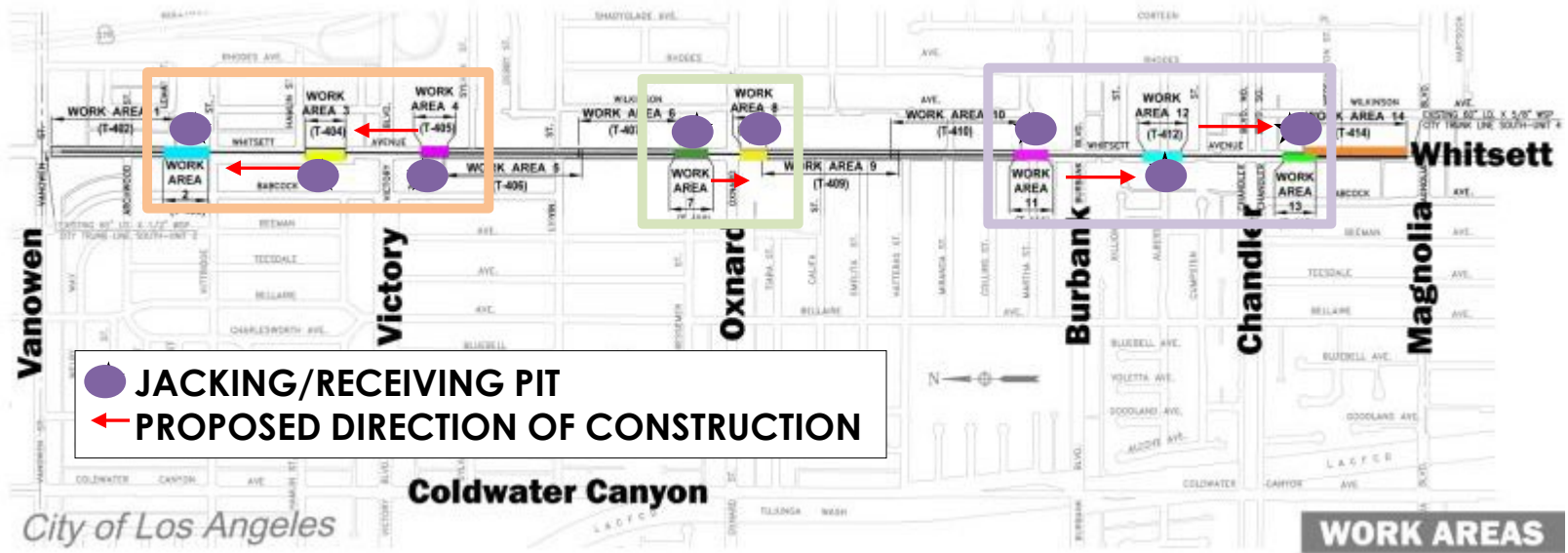
Construction Update – Cut & Cover



	Cut and Cover	Construction Start	Construction Finish
Phase 1	WA 10 (completed)	Aug 2016	Feb 2017
	WA 9 (completed)	April 2017	Mar 2018
	WA 6 (completed)	Mar 2018	Oct 2018
	WA 5 (completed)	Oct 2018	April 2019
	WA 1	April 2019	Feb 2020
To be performed by Contractor (included in Phase 2)	WA 14	Nov 2019	Sept 2020



Construction Update – Pipe Jacking



Phase 2



Estimated Construction Schedule		
Pipe Jacking	Construction Start	Construction Finish
WA 11 - 12 - 13	Oct 2019	Sept 2020
WA 7 - 8	Oct 2020	July 2021
WA 4 - 3 - 2	June 2021	July 2022
Paving-Punch list- Pressure testing	Aug 2022	Oct 2022

Traffic Control Plans

- Designed by LA Department of Transportation
- Allow safe flow of traffic around construction within the street
 - Additional signage
 - Change in lane striping
 - Reduction in number of lanes
 - Removal of street parking

Traffic Control Plan (TCP) – WA 11



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



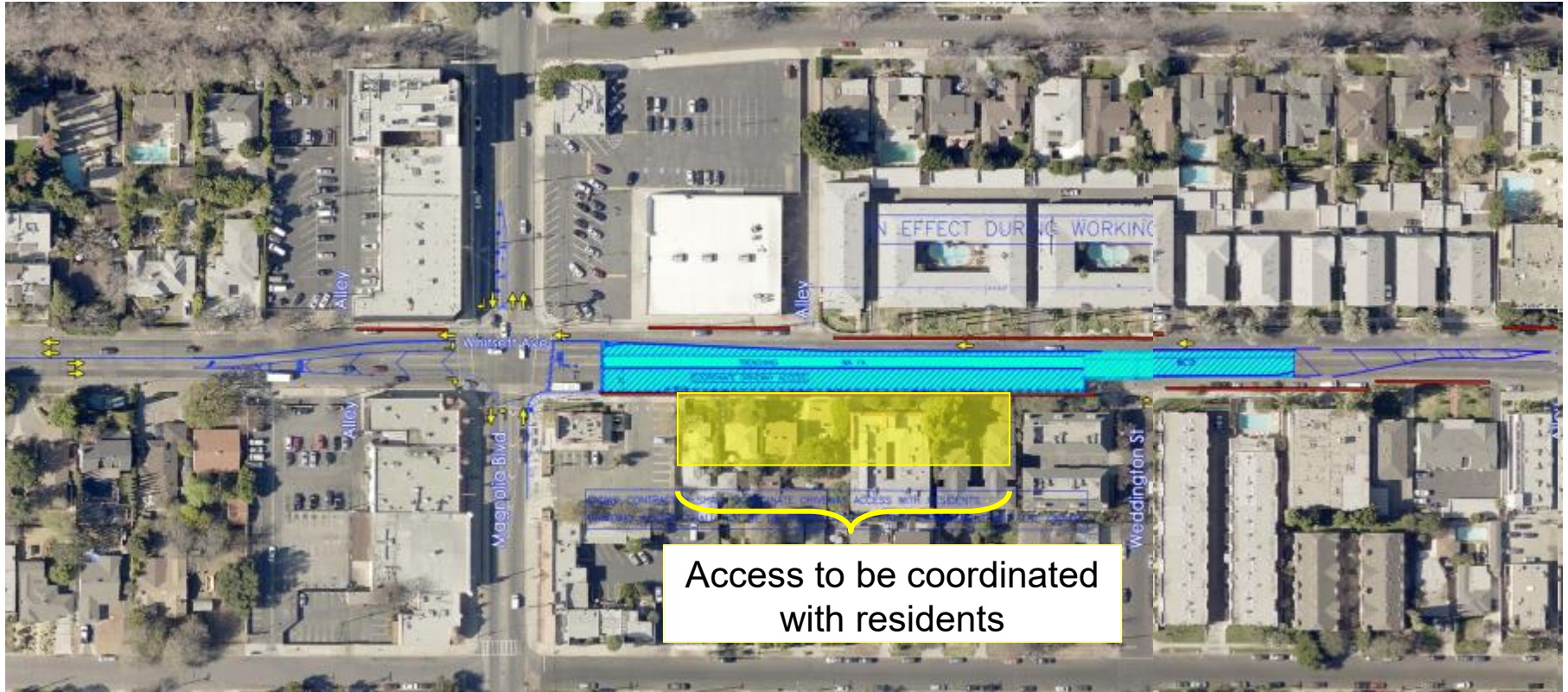
Traffic Control Plan (TCP) – WA 12



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



Traffic Control Plan (TCP) – WA 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 – WA 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

Community Outreach & Mitigation Measures

Pre-Construction Outreach Activity Phases	Date
<ul style="list-style-type: none"> Environmental Documentation Outreach & MND 	2014
<ul style="list-style-type: none"> Preconstruction Phase Outreach 	February 2016 January 2019 May 2019
<ul style="list-style-type: none"> Notifications and meeting with community members 	On-going

A study of the proposed project description, location, alignment, alternatives, and impacts was executed in the EIR process.

- Main community concerns identified via outreach efforts:

Noise & Vibration

Dust

Traffic/Parking

- Mitigation Measures** → Modifications/efforts implemented to reduce and manage impacts from construction activities
 - Integrated into project design and enforced through contract specifications.

Mitigation Measures

Noise and Vibration:

- **Noise:** No equipment allowed on site which emits noise levels greater than 75 dBA at a distance of 50-ft.
 - Ex. Vacuum cleaner (70 dB); Passenger car at 65 mph at 25 ft (77 dB)
- **Vibration:** Levels shall not exceed a peak particle velocity of 0.2 inches per second. (Construction vibration limit to prevent structural damage to structures).
- Contractor to submit a project noise and vibration control plan.

Mitigation Measures

Vibration:

- Preconstruction survey of existing building and structures:
 - Conducted prior to commencement of work.
 - Establish the condition of existing buildings and structures within 100 feet of the project.
 - Photo and video survey of building exterior.
 - LADWP/Contractor will contact building owners for permission to conduct survey.
 - **Free – survey conducted at no cost to building owners.**

Parking:

- Parking on residential streets by either the Contractor or workers shall not be allowed. Workers shall enter the site as soon as they arrive to the site.
- LADWP is contacting owners of properties with open parking lots to determine feasibility of leasing parking spaces.

(in response to loss of street parking on Whitsett Ave. as required by TCPs).

Mitigation Measures

Street Restoration:

- Areas impacted by excavation will be restored to existing condition.
- LADWP and Contractor will conduct a pre- and post-construction job walk to determine additional restoration needed along haul routes (once identified).

Community Relations:

- Public notifications via press releases, notification letters, websites, community meetings, social media.
- Dedicated project staff including Resident Engineers, and Community Liaisons

Schedule:

- Condense project duration wherever possible, without compromising safety
- Reduce schedule duration: Option to work from 9pm-7am, inside tunnel to reduce duration (LAPD approval required) and to work Saturdays 8:00 a.m. through 5:00 p.m (Engineer approval required)
- Traffic control will be implemented on Saturdays

Mitigation Measures

Air Quality and Dust Control:

- Limit vehicle speeds to 15 mph on the site.
- No idling of vehicles.
- Compliance with regulations (SCAQMD, CARB, EPA).
- Use water trucks and street sweepers to maintain clean access.
- Remove mud, dust, dirt, debris from streets, ramps, parkways, and sidewalks.

Transportation/Traffic:

- Traffic Control Plan requirements by LADOT.
- Warning signs and flaggers.
- Provide access to emergency vehicles.
- Provide uninterrupted mail and trash pick up services.
- Maintain access to homes and businesses.
- Provide notification of disrupted access.

Mitigation Measures

Impact to Businesses

- Capital Projects Business Retention Program (CPBR)

What is the CPBR?

Pilot program that can provide financial assistance to small businesses that have been temporarily impacted by this LADWP project

- Mitigate Temporary Revenue Losses
- Eligible businesses may receive up to 60% of actual revenue decrease or \$18,000 per calendar year
- Specific Eligibility Rules
- Quarterly Application Periods
- Requires Documentation



Eligibility Requirements

- Business must be:
 - located within 100 yards of an “eligible project area”
 - in project area greater than 24 months prior to start of construction
 - an existing LADWP customer in good standing during billing period prior to construction
 - “non religious” business
 - 25 or fewer employees
 - individually owned (non-franchise)
 - Solvent and *not* be in Ch. 7 bankruptcy
 - in good standing with *all* taxing and licensing authorities
 - Must demonstrate a minimum 20% quarterly revenue decrease when compared to same quarter pre-project



Before you Apply

Business Information

- LADWP Bill
- Business License/Business Tax Registration Certificate
- Seller's Permit/CA Sales Tax Certificate Number
- Public Health Permit (if applicable)
- IRS Form W-9

Revenue Documentation

- Monthly Business Bank Statements
- California Department of Tax and Fee Administration Quarterly or Monthly Sales Tax and Use Return
- Quarterly Tax Statements

Applications are accepted quarterly. Documentation from “baseline” quarter and “application” quarter will be reviewed. Special rules apply for property owners

Project Manager:

Johan Torroledo

213-367-2296

Johan.Torroledo@ladwp.com

Assistant Project Manager:

Sarah LaCombe

213-367-5263

Sarah.Lacombe@ladwp.com

For project updates visit:

www.LADWP.com/CTLS3



Thank you for your time