



# Telecom in Glendale

City Council Workshop April 8, 2025

Engineering Department





# Glendale ROW Strategic Imperatives

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- **Protect** city and private infrastructure from damage
- Ensure **fair access** to the ROW
- Ensure vendors **communicate forward** to impacted neighborhoods
- Promote **quality of life and commerce**



# Terminology

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- **Cable License** – allows the entity to construct / upgrade their infrastructure within the ROW that provides cable television service.
- **Telecom License** - allows the entity to construct / upgrade their infrastructure within the ROW that provides voice data phone service
- **Fiber License** - allows the entity to construct / upgrade their infrastructure within the ROW that provides backhaul data so it can be processed and used to support internet services.
- **Franchise Agreements** -allows the entity to construct / upgrade their infrastructure within the ROW that provides life essential services.



# Terminology

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- **Right-of-Way Permits** – issued by the city to perform construction per City and State standards. (180 days)
- **Small Cell Licenses** – issued by the city to wireless vendors to maintain or install their infrastructure placed within the ROW. (10 Years)
- **ROW** – a corridor for infrastructure within public property
- **PUE** – a corridor for utilities within private property



# Trends in the Industry

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- Insatiable consumer demand
- Transition from Coax-cable to fiber
- Speed to market
  - First in, retains 30% of the customer base
  - Less expensive to keep customers than find new ones
- Drives Innovation
  - Improve Speed (Up to 10X faster)
  - Improve Bandwidth
  - Eliminate Latency- Delay



# The Marketplace 2022





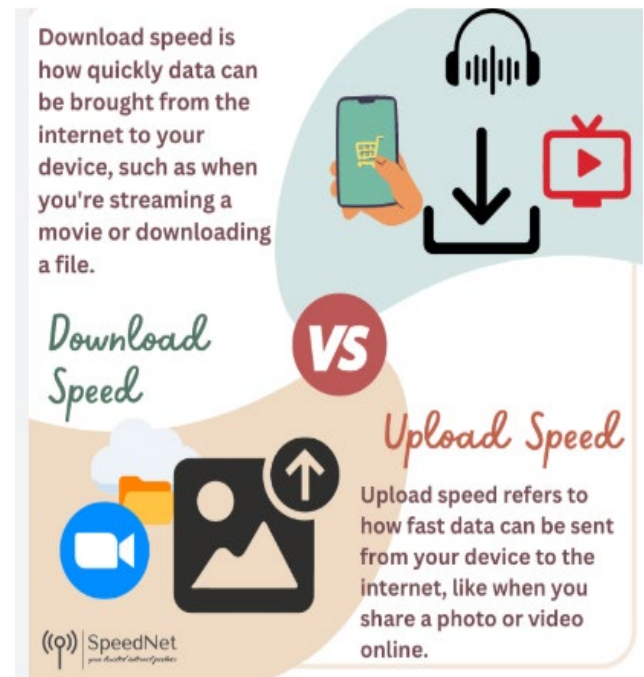
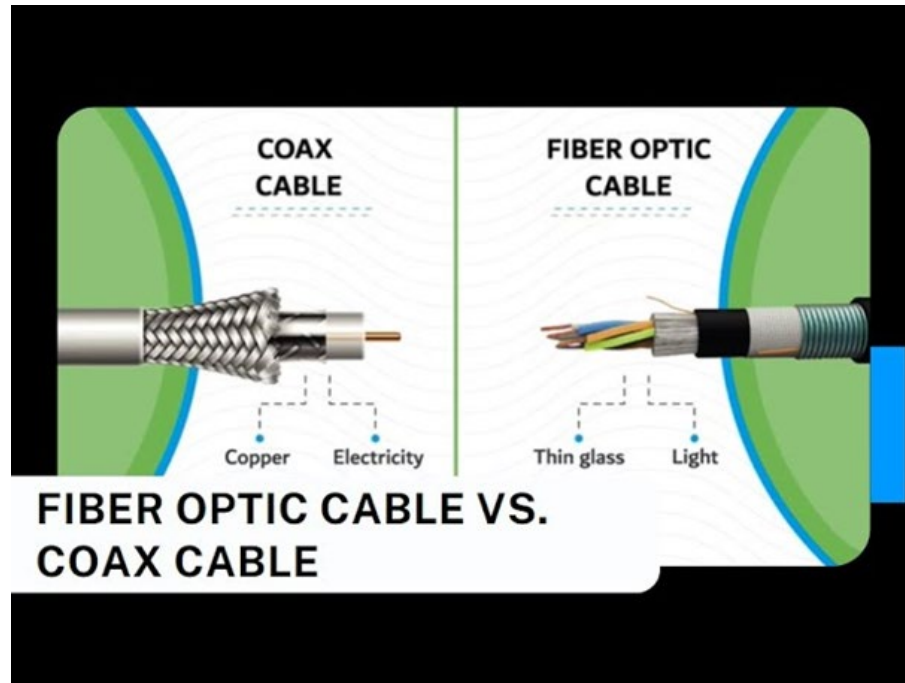
# The Marketplace 2024/25 Additions





# Convenience = Speed & Reliability

- How long to download the movie “ET”
  - Cable 4 Minutes
  - Fiber 3 Seconds





# Economic Growth

## Access to Data, Drives Business

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Residential fiber supplies most of the demand, but businesses benefit even more.



Reliable high-speed data is essential to keeping and attracting businesses.



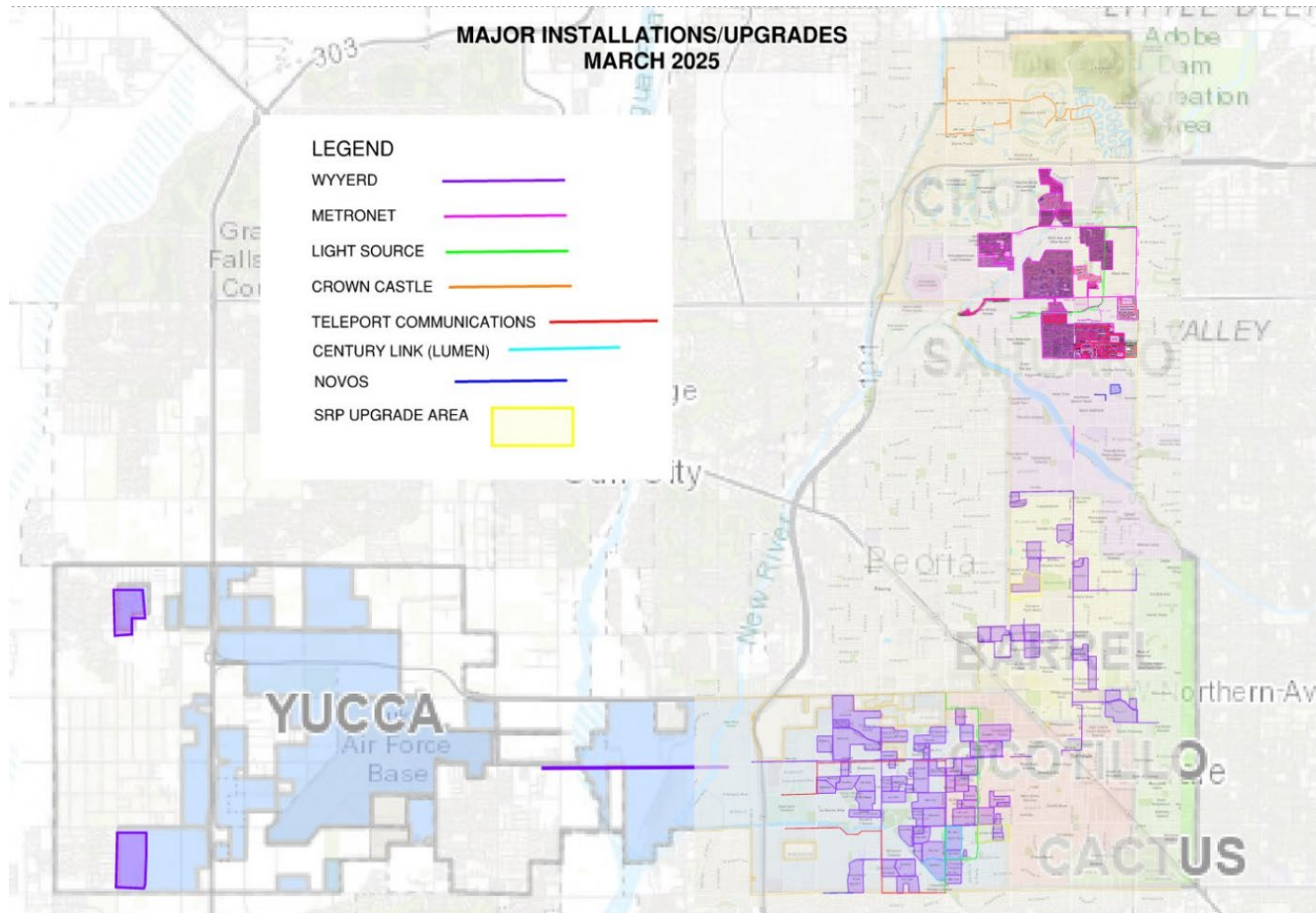
# Engineering by the Numbers

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- Average 1,200 annual permits/licenses issued
- All Permits require a plan review
- Most permits require a “pre-construction meeting”
- Each permit requires a minimum of 3 inspections

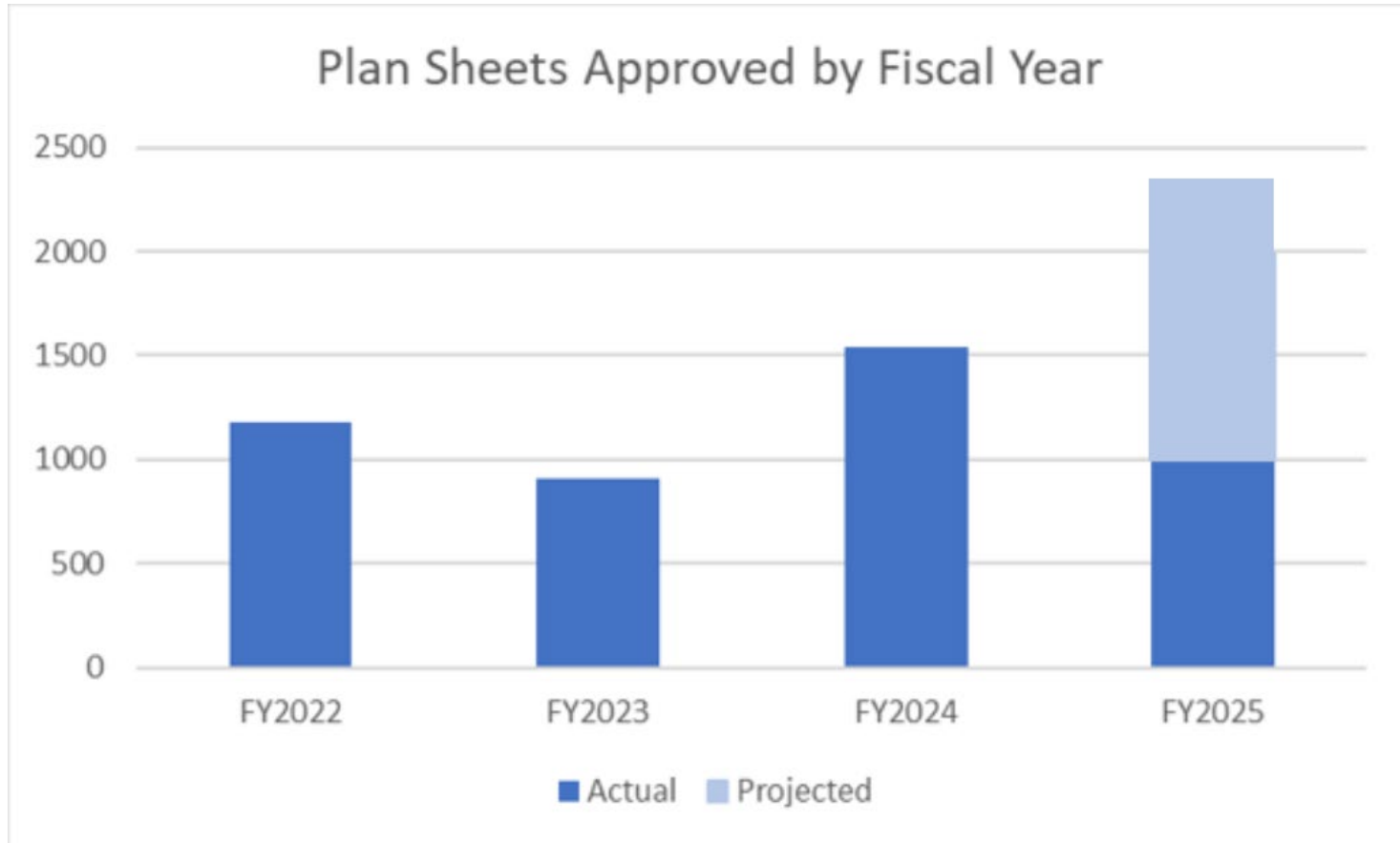


# Permit Map (March 2025)





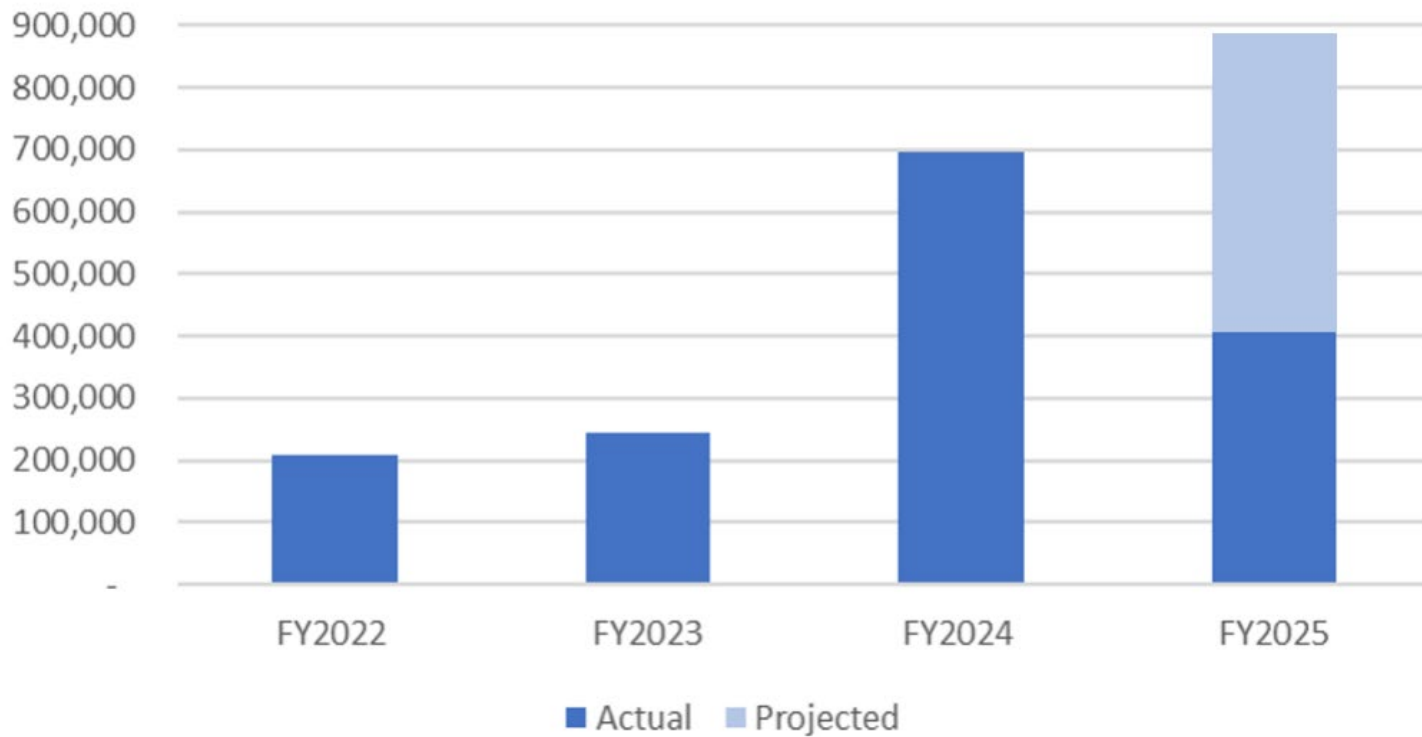
# By the Numbers





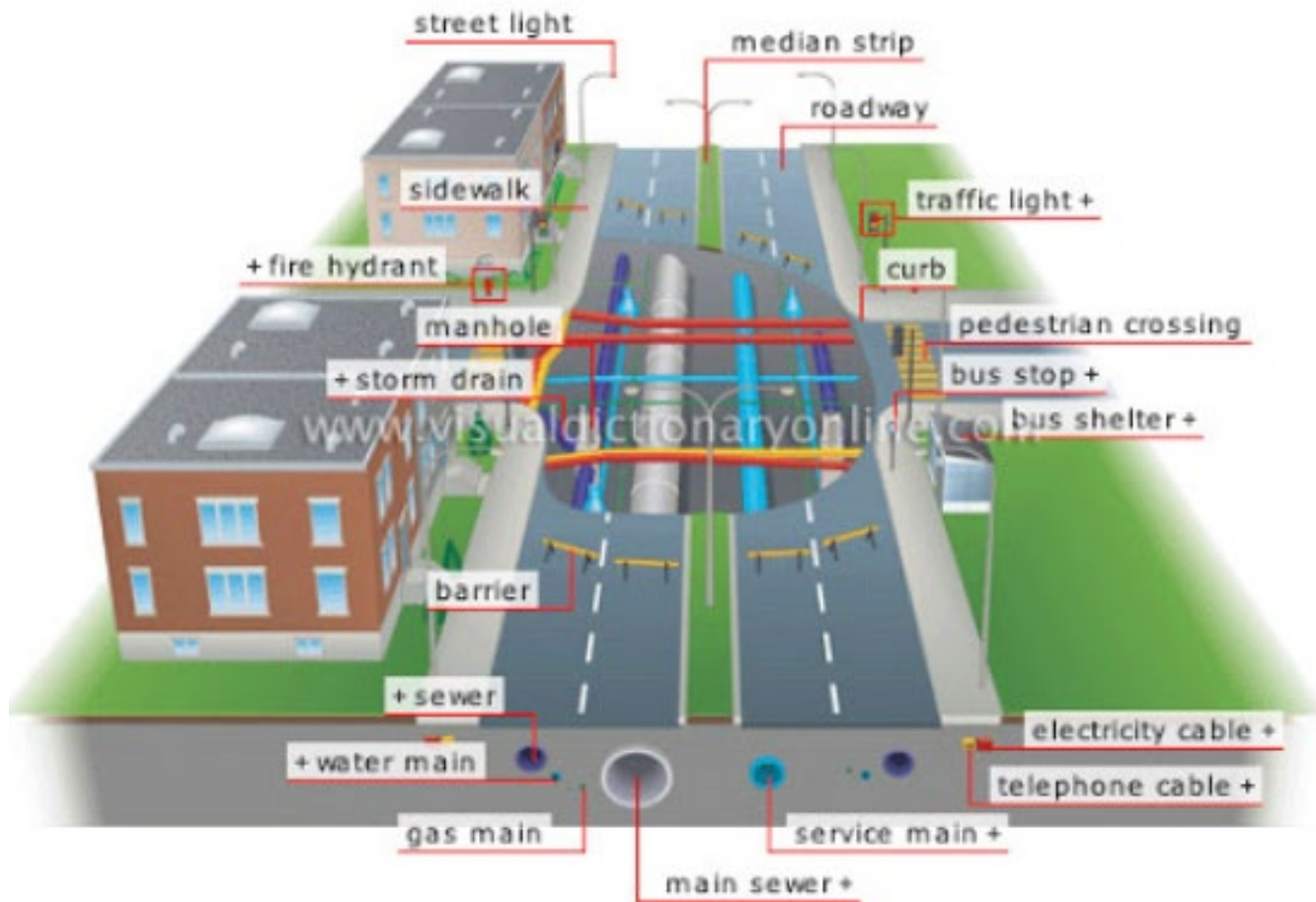
# By the Numbers

Linear Feet of Trench/Bore by Fiscal Year





# ROW is Finite





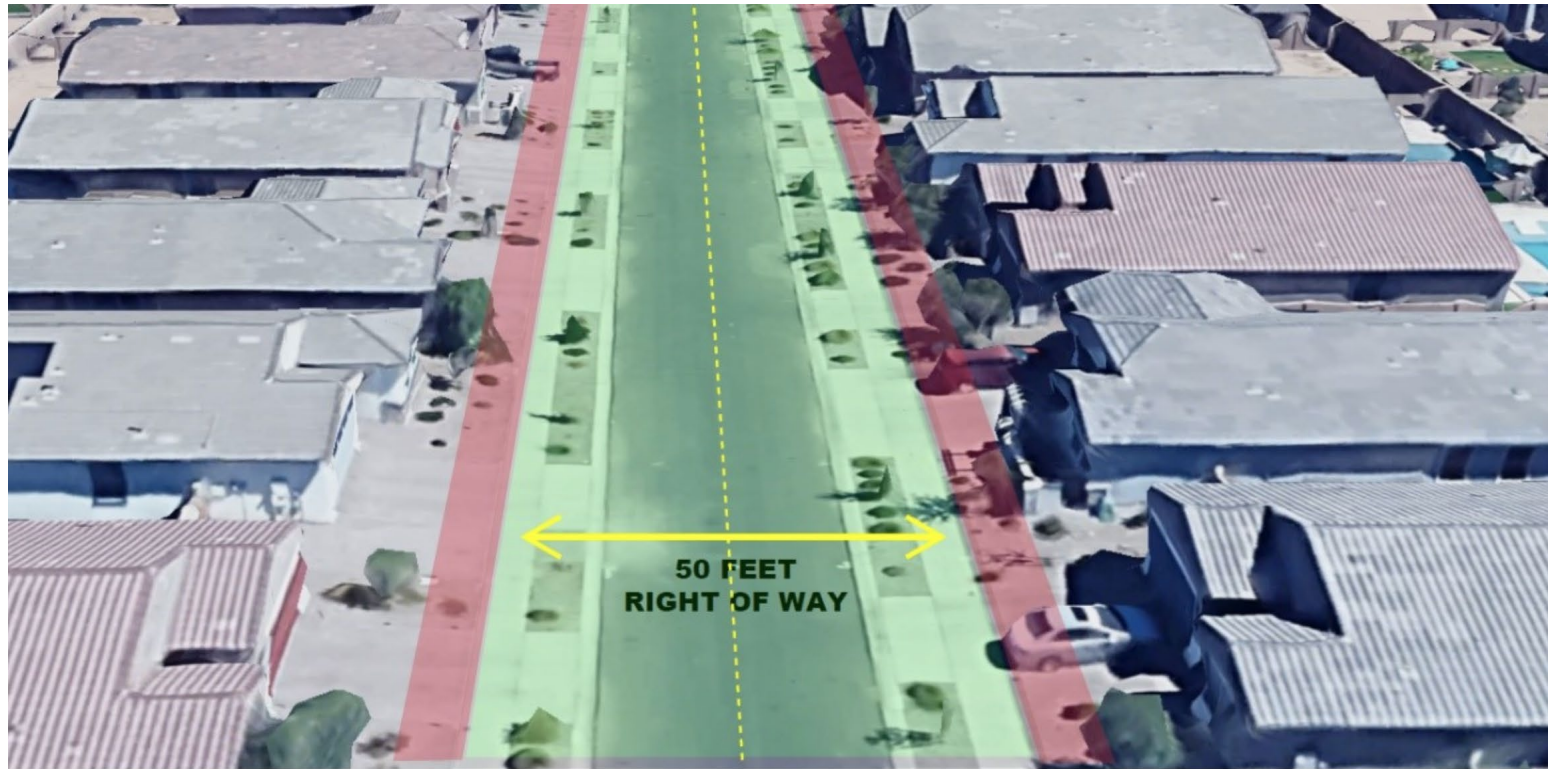
# Public Utility Easement - PUE



In older areas of the city, the PUE may be in the rear yard which is not feasible access. In these areas, there is even more pressure to fit facilities in the street right-of-way.



# PUE - Front Yard



↑  
**8 FEET  
P.U.E.**

↑  
**8 FEET  
P.U.E.**



# Impact To Other Departments



## Blue Staking

- Blue stake is required before any new construction.
- Water services is required to complete Blue Stake within 2 business days of a request being made.



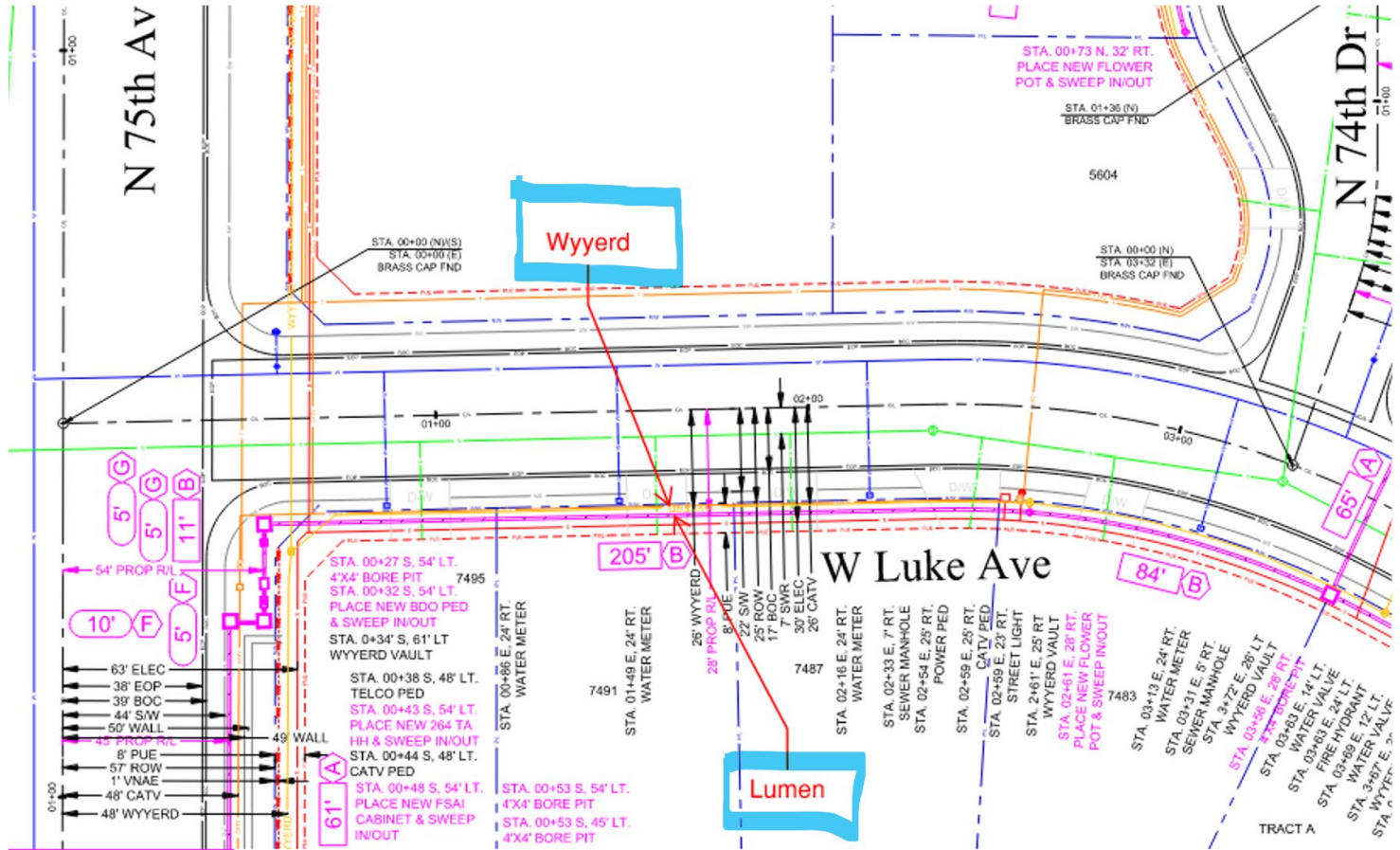
# Impact to Streets

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- Nearly every road in Glendale will be touched in the next 3 years
  - Fiber must be brought directly to the home or business, conduit has to be installed to every address.
  - This will primarily be done by directional boring. Residents will have at least some excavation in the PUE in front of their house.
  - There will be increased pressure to adopt micro-trenching (MAG)



# Impacts to Residents



- SEE SHEET 27





# Future Issues

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- Supplement staff for oncoming peak
  - Staff for normal, supplement for peak
- Continue to evolve city standards
  - Pavement Management
  - Trenching standards
- Closely monitor and engage in legislation
  - Continue work with the CAO on the evolving regulations
- Update our Standard License Agreement(s)
  - Be consistent with the term of the agreement (5 years)
  - Move towards a % of revenue
    - Common among peer cities
    - Familiarizes the process for all players
    - Competitive neutrality