

# LA Metro Rail to Rail

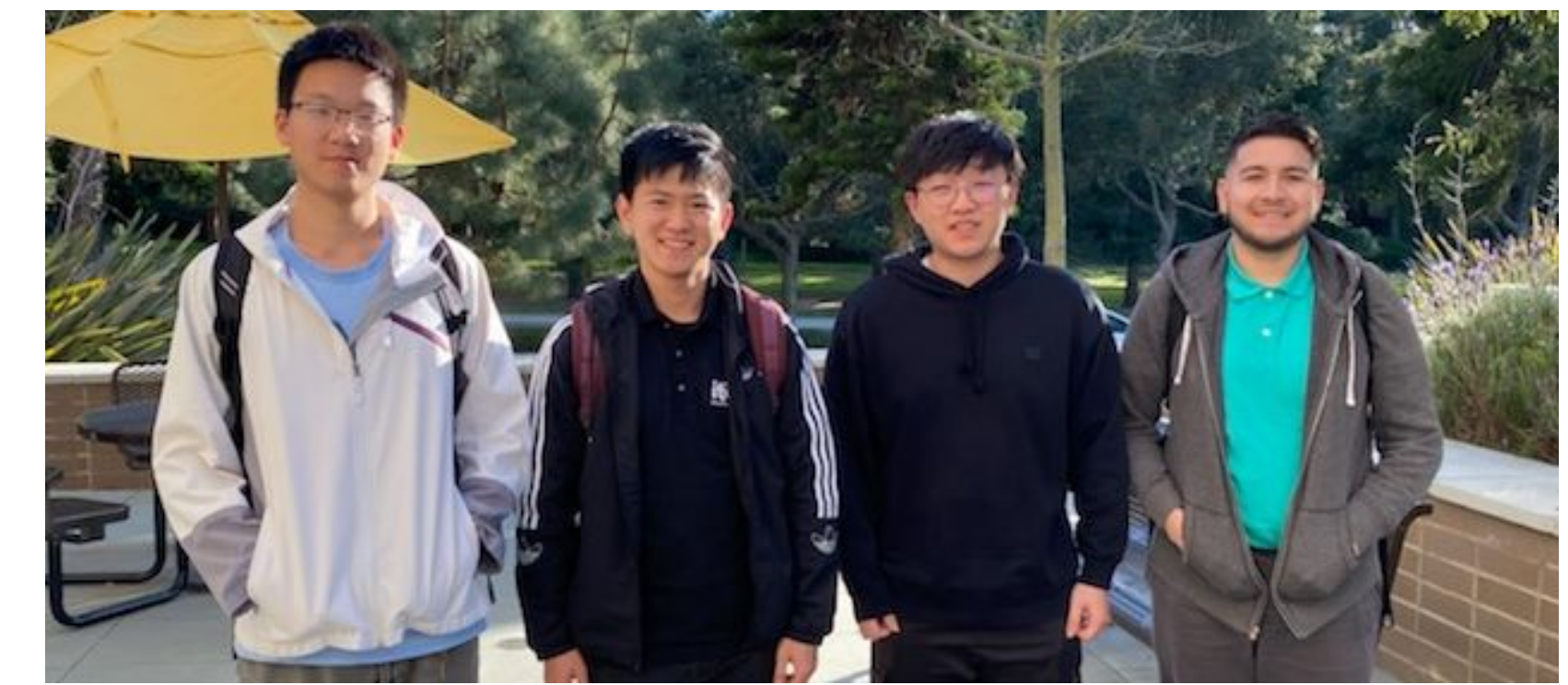
## Run The Red | Design Team T-6

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### Project Description



Figure 1: Entire extent of the LA Metro Rail to Rail project; we are designing the intersection designated by the red circle.

The LA Metro Rail to Rail project will convert an unused railroad right-of-way into an active transportation corridor that will connect southern LA's neighborhoods, schools, transit stations, and other important locations. The objective of our project is to accommodate an active transportation corridor through the LA Metro Rail to Rail project with roadway improvements to the intersection of Slauson Ave & S Broadway. By updating the existing infrastructure with new curb ramps, a speed table, bus pads, standard crown section, etc., the intersection will be primed to follow Los Angeles Bureau of Engineering (LABOE) standards and provide crucial ADA-compliant facilities that are currently lacking in the current infrastructure. This project will also enhance a bicycle network in Los Angeles and improve the safety for pedestrians and cyclists.

### Preliminary Design Results

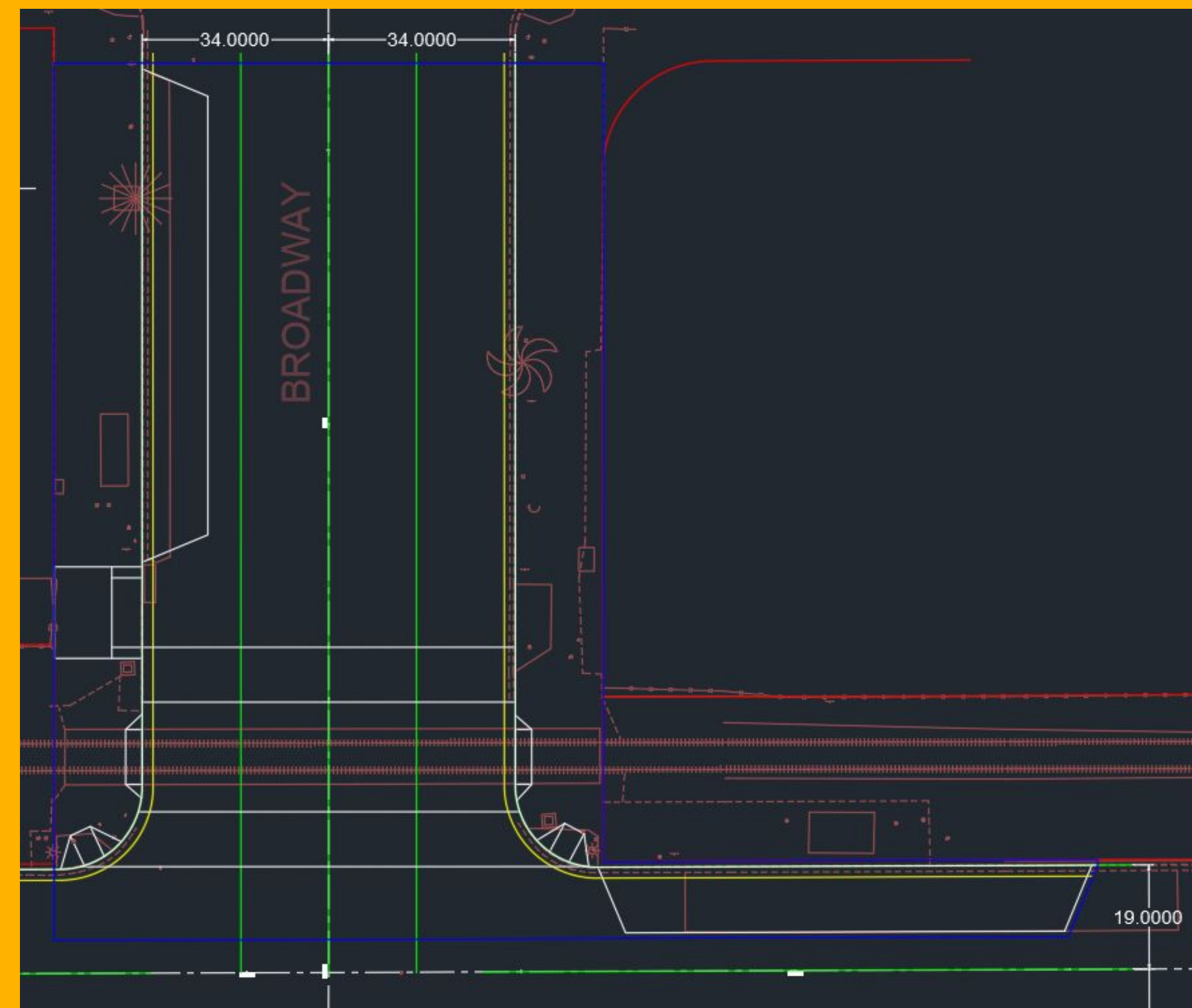


Figure 2: Preliminary design plan. Horizontal line work.

### Design Constraints & Parameters

- All roadway design and dimensions must follow LABOE standards.
- New flow lines need to maintain the same elevation as the existing flow lines.
- Traffic signals and street lighting items can be relocated.
- All railroad equipment will be removed.
- All other utilities must remain in place but can be adjusted to grade/remodeled.

### Plan For Next Phase

1. Design vertical [grading/elevation] elements of the intersection (curb, road centerline, sidealk, etc.)
2. Design the speed table with respect to the vertical elevations of the road.
3. Design a standard crown section 25 feet from the beginning of curb return; from here, we will transition to the existing section.

### Design Approach

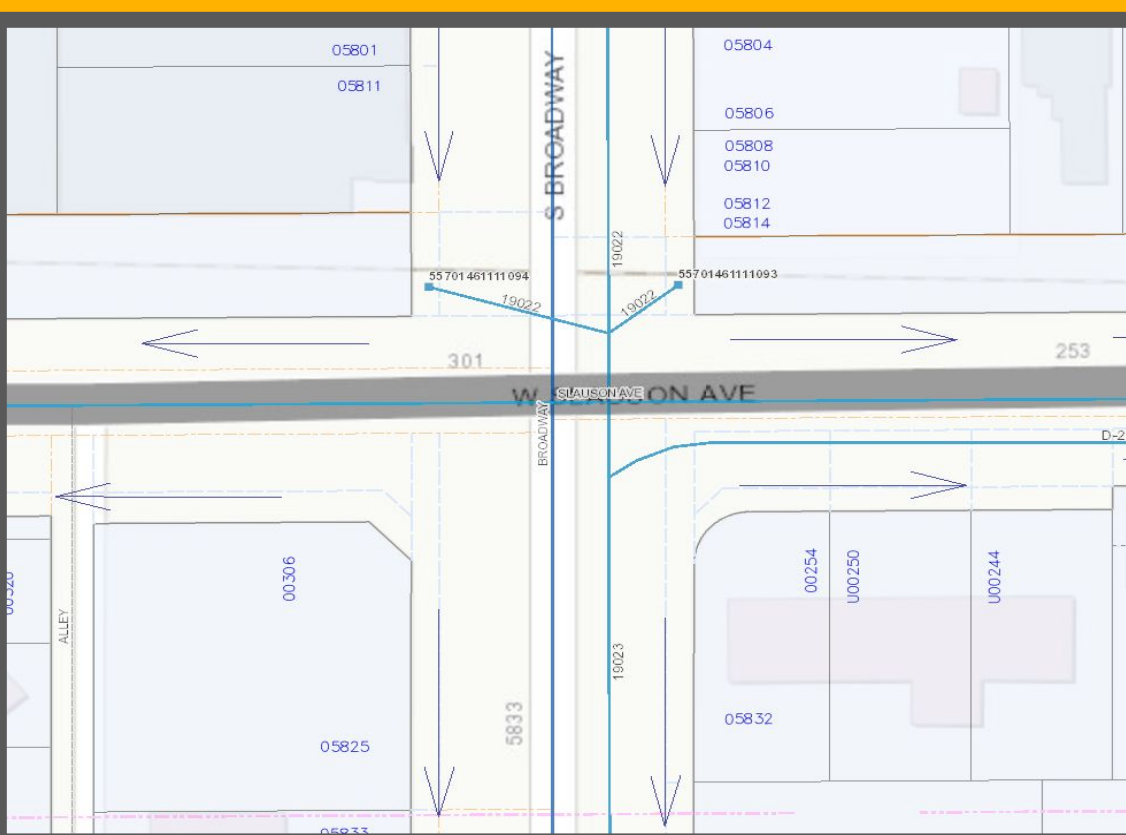


Figure 3: The flow pattern for the intersection.

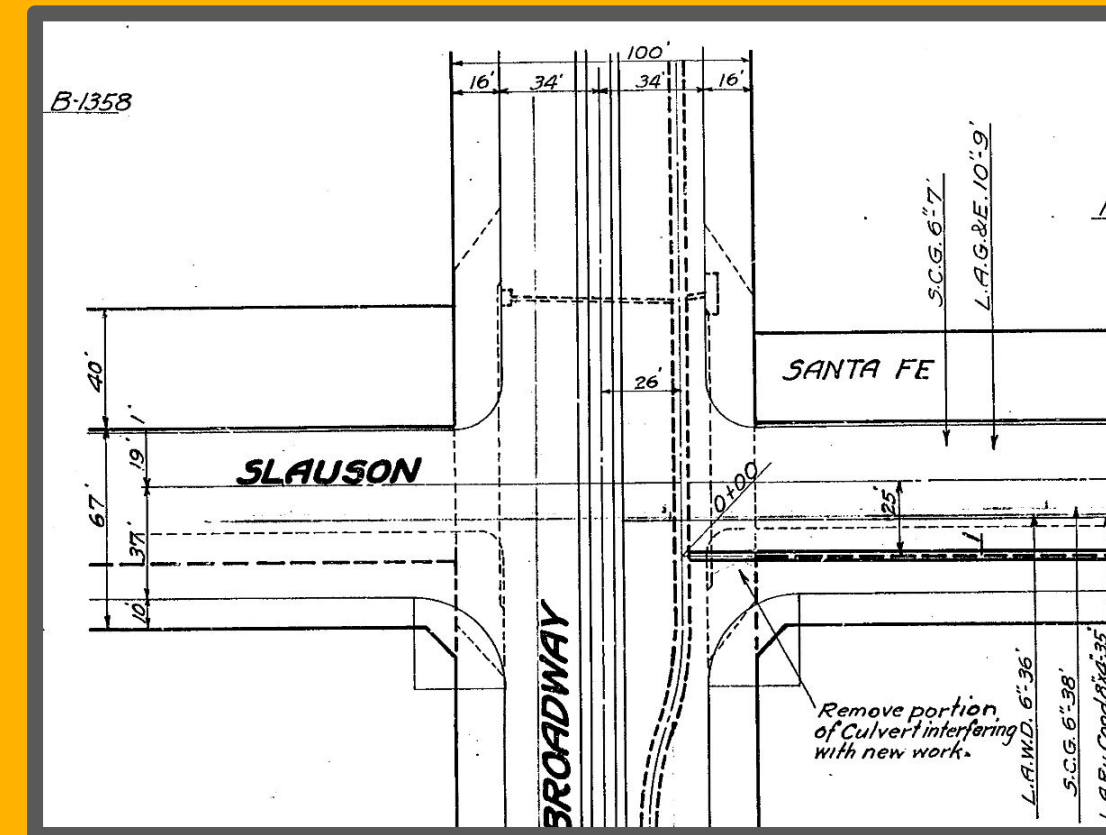


Figure 4: As-built dimension for the intersection

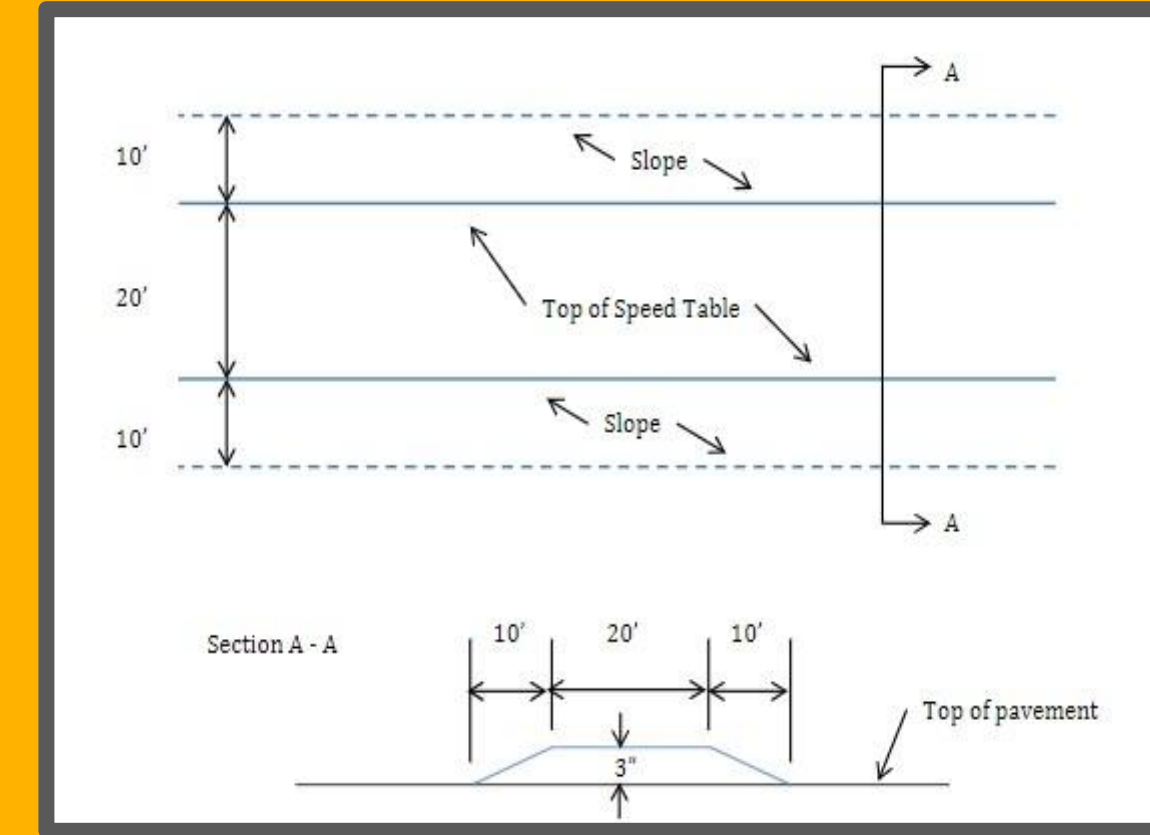


Figure 5: Speed table dimensions for the city of LA.

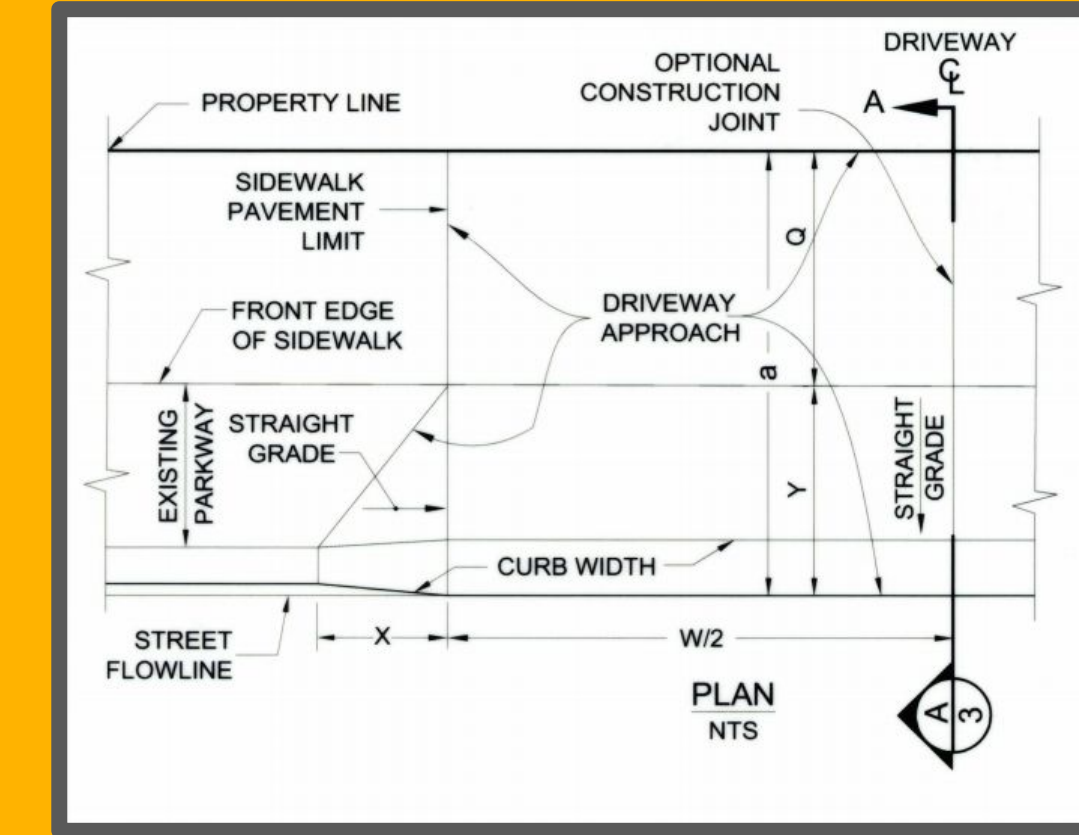


Figure 6: One of the standard types of LABOE driveway