

Junipero Serra Trail Project

Appendix D: Trail Access Analysis



Memorandum

Date: February 3, 2022

To: Mr. Mike Campbell, MIG

From: Gary Black, Marc Powell

Subject: Junipero Serra Trail Trailhead Access Analysis

Based on conceptual improvement plans prepared by the project engineer and landscaping architect, the three proposed trailhead locations for the Junipero Serra Trail in Cupertino, California were analyzed with regard to bicycle and pedestrian accessibility. The locations and Hexagon's findings are as described below and as shown on the attached sketches.

LUCILLE AVENUE TRAILHEAD

The proposed Lucille Avenue Trailhead is located at the intersection of Lucille Avenue and Villa de Anza Avenue, just west of the Blaney Avenue overpass. The project will install curb ramps and a high-visibility crosswalk on the west leg of the intersection. The area is residential with mostly single-family homes and a large apartment complex on the southwest corner of the intersection. Trail users can park on both sides of Lucille Avenue west of the crosswalk or on the west side of Villa De Anza Avenue. However, it is recommended that parking be prohibited for at least 50 feet on approaches to the crosswalk to provide unrestricted sightlines for pedestrians and motorists.

North Blaney Avenue has on-street bike lanes in both directions but lacks a median island or left turn lanes. In order to facilitate safe bicycle access to the trailhead, it is therefore recommended that northbound bicyclists on Blaney Avenue be directed by signage to turn right onto a frontage road (also called "North Blaney Avenue") and southbound bicyclists be directed to turn right onto Villa de Anza Avenue.

At the curve where the North Blaney Avenue frontage road connects to Lucille Avenue there is a metal beam guardrail that protects motorists from multiple hazards including a sound wall, a drainage channel and a high-voltage power transmission tower guy anchor. Since the piling for the guy anchor is located only about three feet from the north curb line on Blaney Avenue, it is recommended that the curved section of roadway be reconstructed at a slightly longer radius to provide sufficient room for the trail and the relocated guardrail. It is also recommended that a driveway be provided on the curve to serve trail maintenance vehicles and to provide access to the trail for northbound bicyclists on North Blaney Avenue. For improved pedestrian access, it is recommended that about 210 feet of sidewalk be installed on the east side of North Blaney Avenue with curb ramps at the Olivewood Street intersection. The recommended improvements are shown on the attached sketches.

VALLCO TRAILHEAD

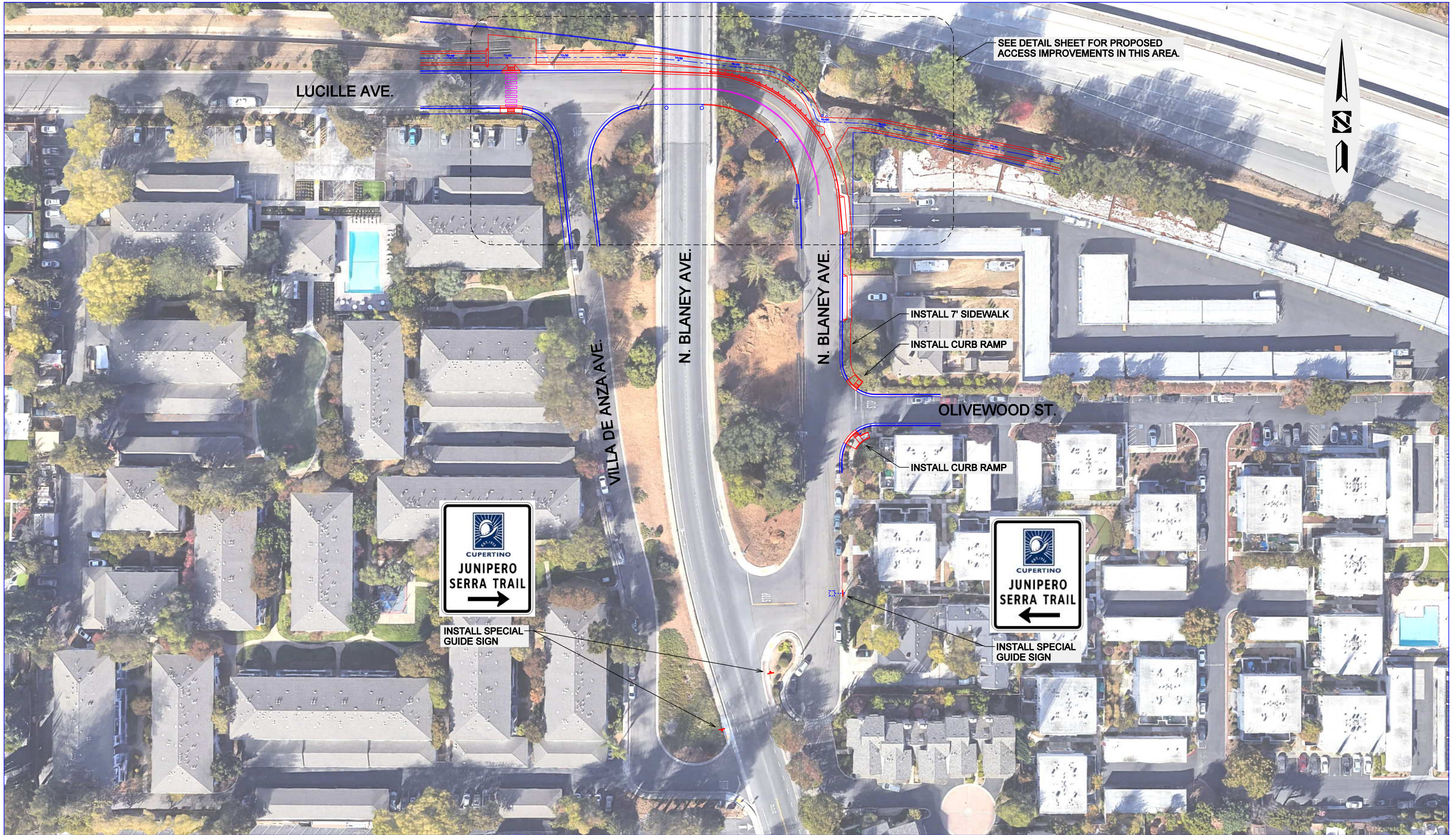
The Vallco Trailhead is located at the northwest corner of the future Vallco Mall development. The segment of trail west of the trailhead is to be connected to the segment to the east by a wide

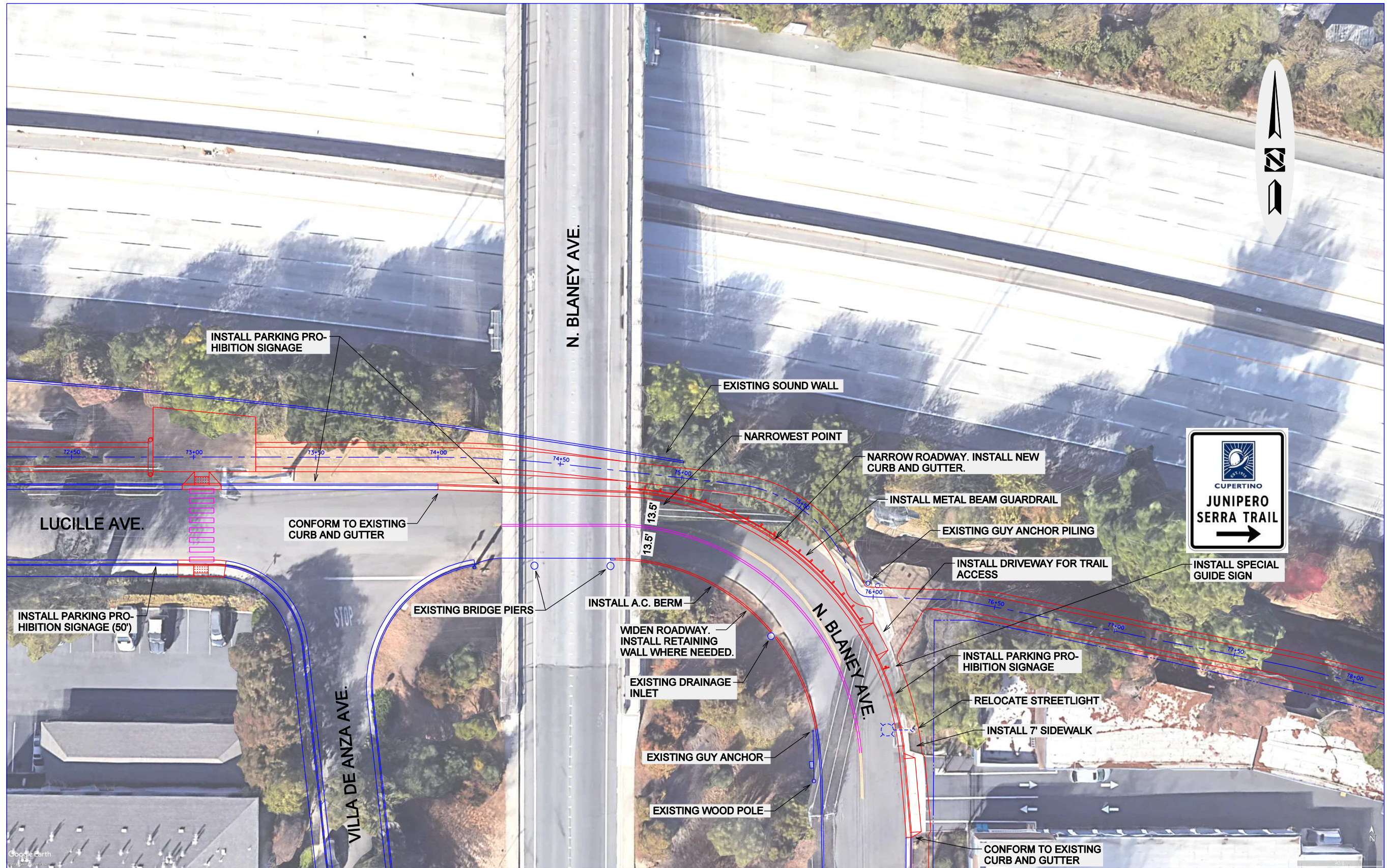


sidewalk along the north side of the Perimeter Road where it passes under Wolfe Road. It is recommended that the sidewalk have a centerline stripe and guide signs to direct bicyclists onto the trail. Also, as with Blaney Avenue, it is recommended that guide signs be installed at intersections on Wolfe Road to direct bicyclists to the trailhead location. On-street parking for trail users will not be available which may result in them making use of spaces in commercial parking lots in the area. Recommended improvements in the vicinity of the trailhead are shown on the attached sketch.

VALLCO PARKWAY TRAILHEAD

The trailhead is located on the north side of Vallco Parkway about 80 feet east of its intersection with driveways that serve the Main Street development to the south and Apple Computer offices to the north. There is an existing driveway on the north side of the street that will provide access for trail maintenance vehicles. It is recommended that signage be installed directing westbound bicyclists on Vallco Parkway to use the driveway to access the trail. In addition, it is recommended that signage be installed on the southwest corner of the intersection to direct eastbound bicyclists to turn left onto the Apple Computer driveway for access to the trailhead on the northeast corner. On-street parking for trail users is not available near the trailhead which may result in them making use of spaces in commercial parking lots at the Main Street development. Recommended signage improvements are shown on the attached sketch.





New Road
(per development)



INSTALL SPECIAL GUIDE SIGN



INSTALL SPECIAL GUIDE SIGN



New tree, typ.

Trail

Existing tree to be removed, typ.

Band with metal lettering

Planting, typ.

Concrete seatwall with wood cladding

Boulder, typ.

Trail Continues
Eastbound Under Wolfe Rd

Curb ramp, typ.

Curb, typ.

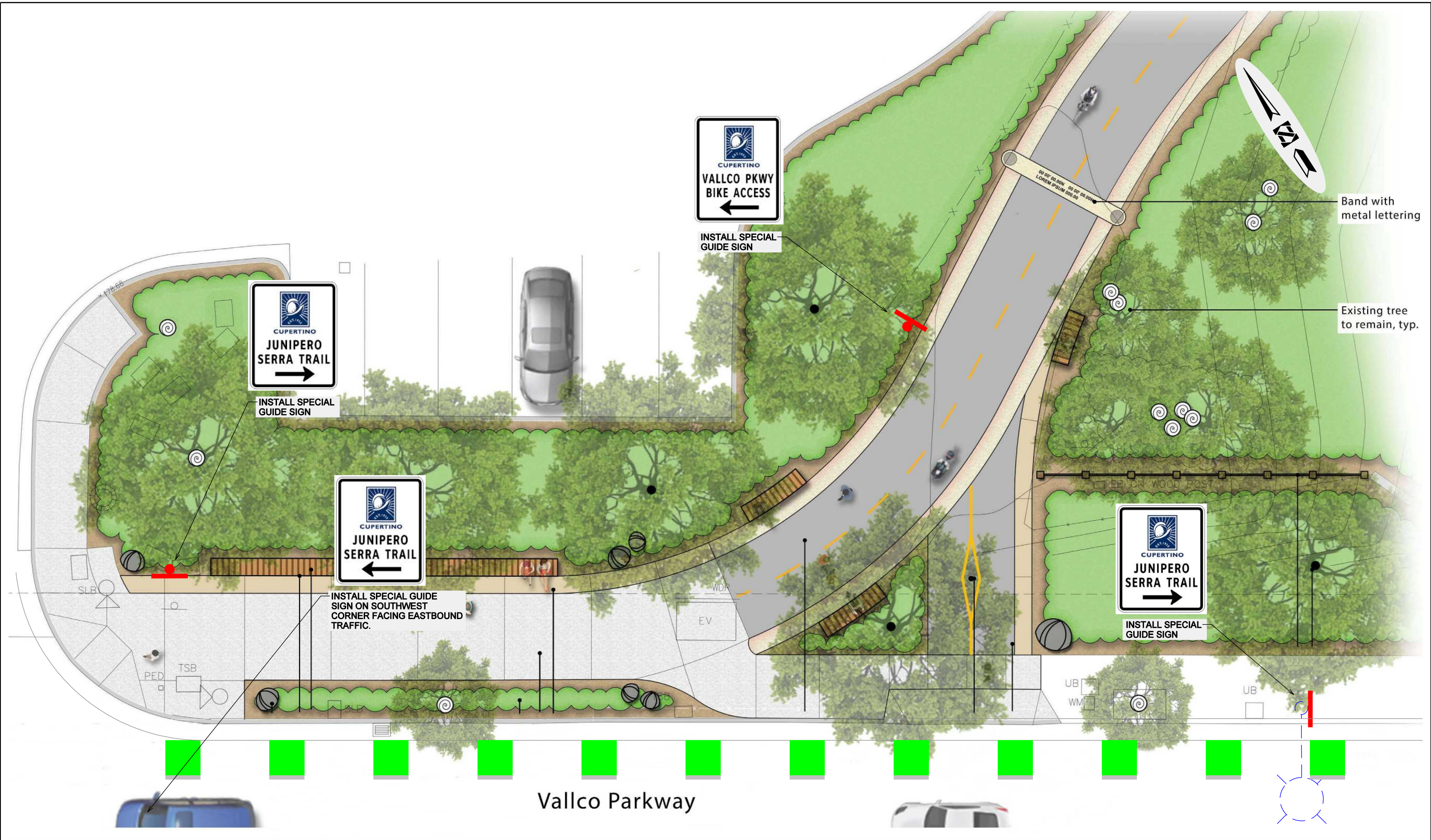
Pavers, typ.

Sidewalk, typ.

Perimeter Road
(re-aligned)


High visibility cross walk, typ.

Trail name on seatwall



Vallco Parkway

**JUNIPERO SERRA TRAIL
VALLCO PARKWAY TRAILHEAD
CONCEPTUAL ACCESS IMPROVEMENTS**

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DESIGNED BY: M. POWELL
DATE: 2/1/2022

