

Outstanding Local Streets & Roads Project Awards Program

Award Application: Safety or Intelligent Transportation System Projects

Foothill Middle School and Walnut Acres Elementary School Pedestrian and Bicycle Improvements

The Foothill Middle & Walnut Acres Elementary Schools Pedestrian & Bicycle Improvements Project was the result of community advocacy and collaboration between schools, the Mount Diablo Unified School District, parents, and the City of Walnut Creek.

In November 2015, an ad hoc neighborhood committee approached the City regarding several issues with access to the Walnut Acres Elementary & Foothill Middle schools. Parents and school personnel witnessed speeding in the neighborhood, near collisions on streets around the schools, and even a student hit by a car outside of the middle school. After several meetings in local coffee shops, schools offices, and on-site reviews, a list of needs was prepared and agreed upon by the City and the stakeholders. After the City was not successful in securing grant funding in order to implement the improvements, a two year plan was developed, coordinating the projects with scheduled street maintenance projects in order to minimize the impact on the community and to maintain cost-effectiveness. Overall, this project improved pedestrian & bicycle safety through the construction of new, enhanced crosswalks, on-street exclusive bike lanes, installation of speed display signs, and intersection improvements to slow vehicle speed and increase visibility at the crosswalks.

In April 2016, The City began work on Phase I, which it was able to fund with its existing maintenance budget. Completed by City crews, Phase I included the following improvements:

- 1- Adding a bike lane on the south side of Cedro Lane along the Foothill Middle School property.
- 2- Adding thermoplastic yellow crosshatch inside the crosswalk on Cedro Lane at Avellano Drive to improve visibility;
- 3- Installing a combination of striping, pavement buttons and delineations to establish a neck down at the intersection of Cedro Lane & Wiget Lane and restricting street parking to maximize visibility at the crosswalks and regulate passing during congestion periods. This will also have a slowing effect onto the vehicular approach speed.
- 4- Installing a combination of striping, pavement buttons and delineations to establish a neck down at the intersection of Wiget Lane and Blackstone Drive and restricting street parking to maximize visibility at the crosswalks.
- 5- Installing a solar speed display sign about 200 feet in advance of the intersection facing southbound traffic on Wiget Lane.

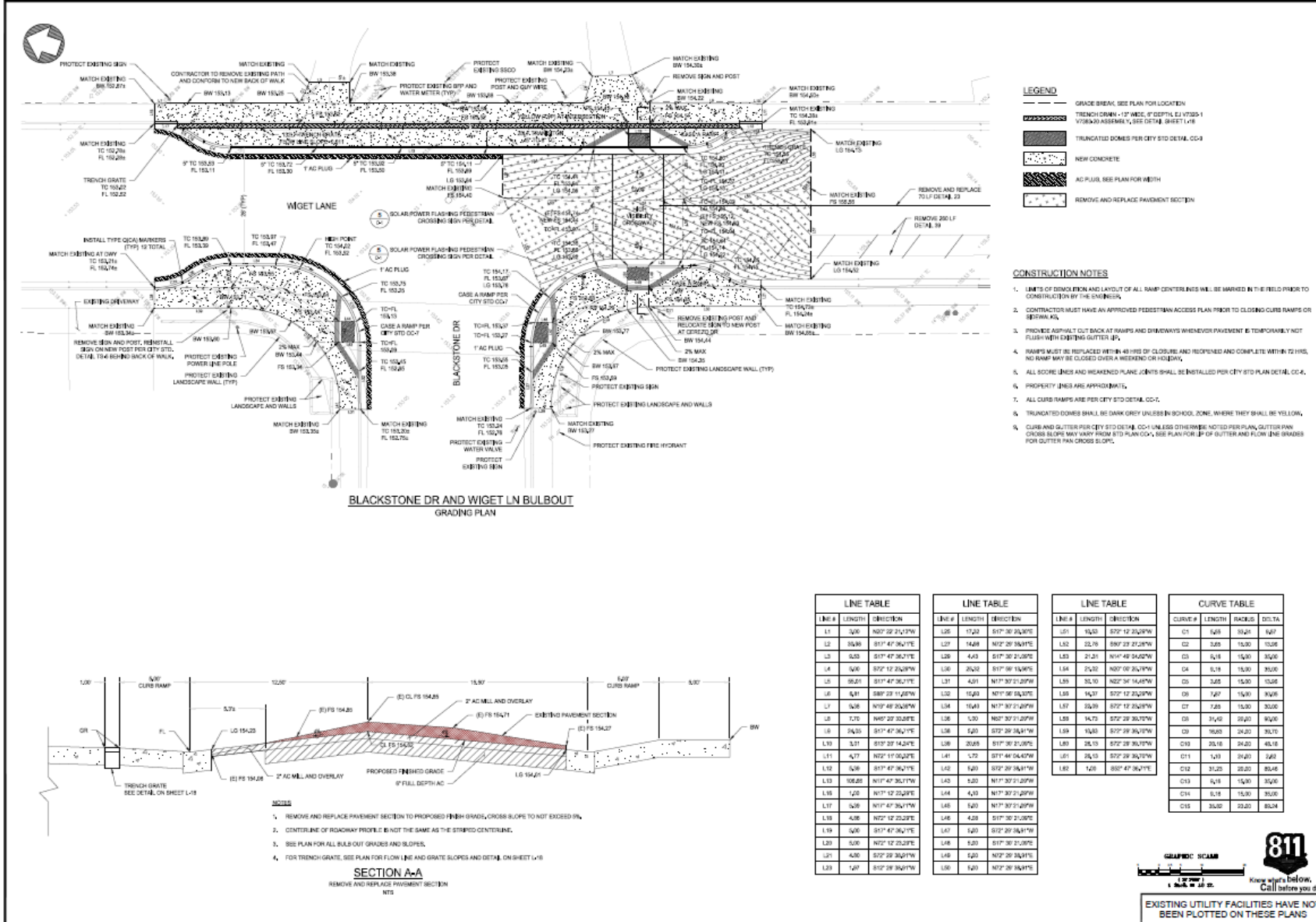
In 2017, the City leveraged pavement rehabilitation money along with general funds to complete the remaining improvements. Phase II was completed in Spring 2017, in conjunction with the City's 2017 Overlay project, and consisted of the following permanent street and signage improvements:

- 1- Continuation of the bike lane on the south side of Cedro Lane between Wiget Lane and Oak Grove Road.
- 2- Reconfiguring the ADA ramps on both sides of the crosswalk on Cedro Lane at Avellano Drive. Installation of a neck down treatment and a Rapid Flashing Pedestrian Beacon (RFPB).
- 3- Installation of a neck down at the intersection of Cedro Lane and Wiget Lane with high visibility crosswalk treatments.
- 4- Installation of a neck down with high visibility crosswalks and a Rapid Flashing Pedestrian Beacon at the intersection of Wiget Lane and Blackstone Drive.
- 5- Adding Crosswalks along Cedro Lane at Cafeto Drive, Eban Drive (south and east sides) and at Mi Elana Circle.
- 6- Installation of solar speed display signs along Cedro Lane.

On October 4, 2017, National Walk to School Day, the City, Mount Diablo Unified School District, parents and community members celebrated the completion of the "Safe Routes to School" project at Walnut Acres & Foothill Middle schools. Kids who walked or biked to school received prizes and Street Smarts, Diablo Region fitted kids with bicycle helmets.

The project has been successful in slowing traffic in the area, making it safer for kids to walk or bike to school. The improvements have helped encourage families to walk to bike rather than drive to school.

Plans for Wiget Lane & Blackstone Drive



CITY OF WALNUT CREEK
1666 N. Main Street
Walnut Creek, CA 94596
PH: 925-944-5400
www.WalnutCreek.org

2017 CONCRETE VARIOUS LOCATIONS WALNUT CREEK, CA

DATE: 04/20/17
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

Prepared Under The Direction Of
SCOTT WILKINSON
P.E. CC2208

Approved by
City Engineer
[Signature]

CONTRACT NO:
16-11

BLACKSTONE DR AND WIGET LN BULBOUT GRADING & LAYOUT PLAN

Sheet Number:
L-17
19 of 22

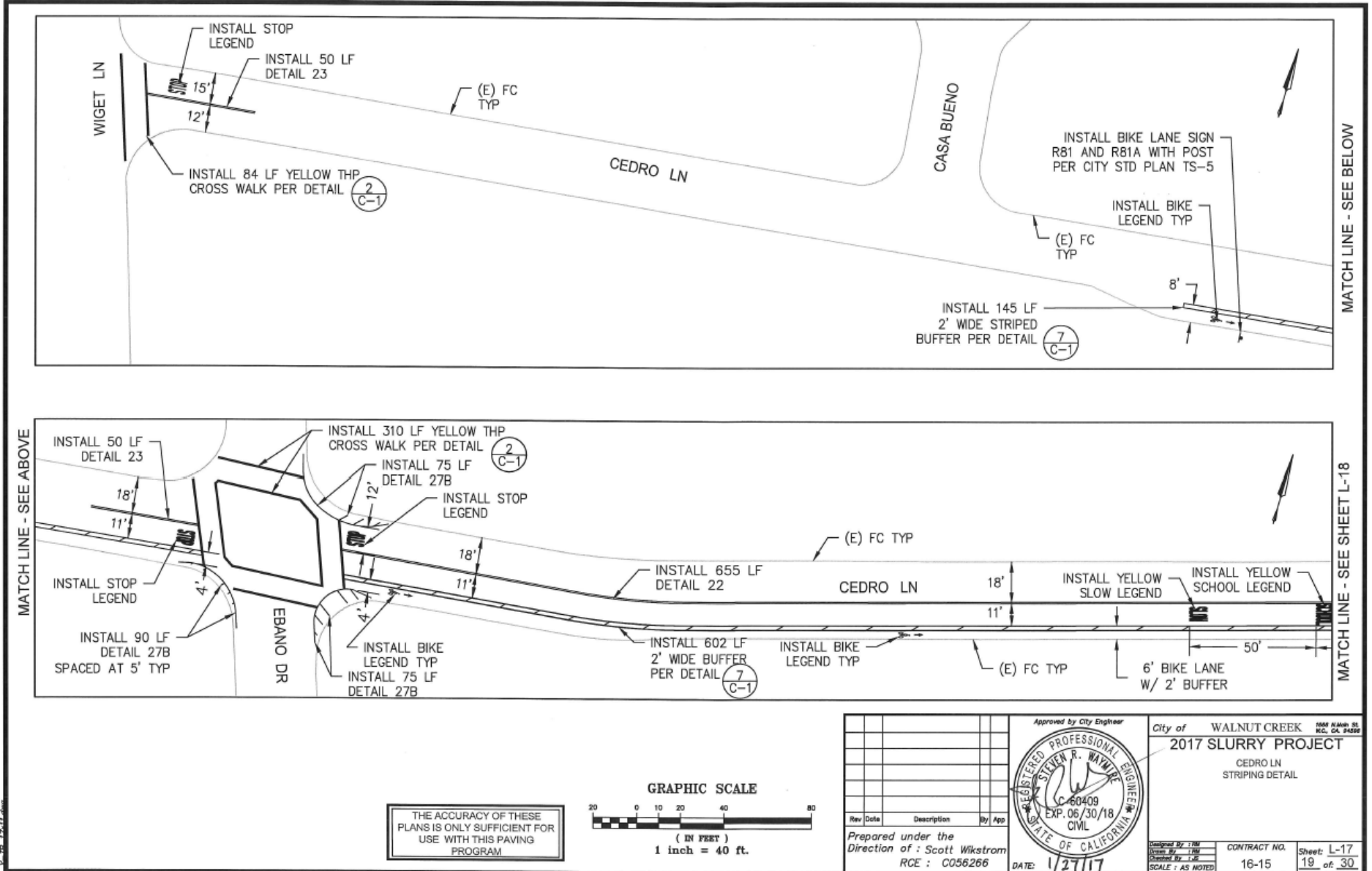
Before Construction: Wiget Lane & Blackstone Drive

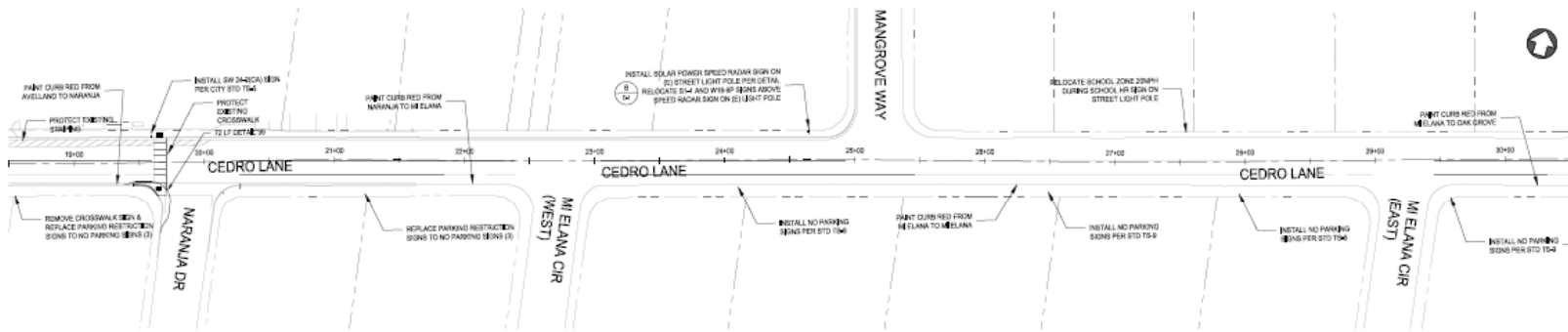
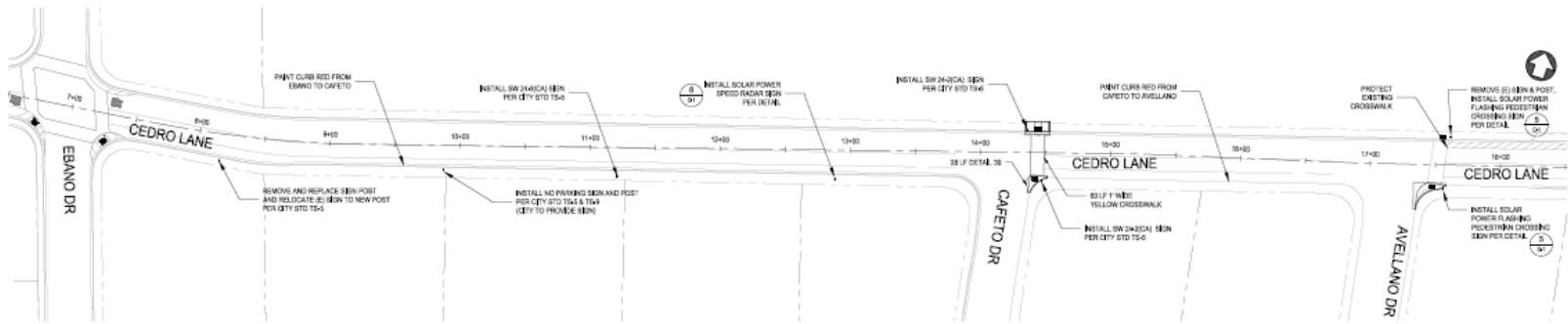


After Construction: Wiget Lane & Blackstone Drive



Plans for Cedro Lane Improvements:



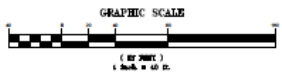


KEYNOTES

- 1 INSTALL DARK GRAY (EXCEPT AS NOTED PER PLAN) CAST-IN-PLACE DETECTABLE WARNING SURFACE, SIDE SHALL BE 3\"/>
- 2 SAWCUT AND REMOVE 1\"/>
- 3 SAWCUT, REMOVE AND REPLACE CONCRETE SIDEWALK, CURB AND GUTTER, DOWEL TO EXISTING SIDEWALK PER CITY STD PLANS DETAIL CC-4.
- 4 CONSTRUCT RETAINING CURB
- 5 SAWCUT AND REMOVE EXISTING CONCRETE GUTTER AND REPLACE IN-AND
- 6 CONSTRUCT CASE 1\"/>
- 7 CONSTRUCT CASE 1\"/>
- 8 INSTALL DARK GRAY (EXCEPT AS NOTED PER PLAN) SURFACE APPLIED DETECTABLE WARNING SURFACE, SIDE SHALL BE 3\"/>
- 10 PROTECT EXISTING STORM DRAIN INLET
- 14 PROTECT EXISTING FIRE HYDRANT
- 15 SALVAGE AND RELOCATE SIGN AND POST BEHIND NEW RETAINING CURB
- 16 PROTECT EXISTING UTILITY BOX
- 17 PROTECT EXISTING TRAFFIC SIGNAL POST
- 18 PROTECT EXISTING PEDESTRIAN PUSH BUTTON POST
- 19 PROTECT EXISTING SIGN
- 20 PROTECT AND ADJUST EXISTING UTILITY BOX
- 21 PROTECT EXISTING TREE
- 22 PROTECT EXISTING LAMP POST

CONSTRUCTION NOTES

- 1. LINES OF DEMOLITION AND LAYOUT OF ALL RAMP CENTER LINES WILL BE MARKED IN THE FIELD PRIOR TO CONSTRUCTION BY THE ENGINEER.
- 2. CONSTRUCTION MUST HAVE AN APPROVED PEDESTRIAN ACCESS PLAN PRIOR TO CLOSING CURB RAMPS OR SIDEWALKS.
- 3. PROTECT ASPHALT CUT BACK AT RAMPS AND DRIVEWAYS WHENEVER PAVEMENT IS TEMPORARILY NOT FLUSH WITH EXISTING GUTTER (P).
- 4. RAMPS MUST BE REPLACED WITHIN 48 HRS OF CLOSURE AND REOPENED AND COMPLETE WITHIN 72 HRS, NO RAMP MAY BE CLOSED OVER A WEEKEND OR HOLIDAY.
- 5. ALL SCORE LINES AND WEAKENED PLANE JOINTS SHALL BE INSTALLED PER CITY STD PLAN DETAIL CC-4.
- 6. PROPERTY LINES ARE APPROXIMATE.
- 7. ALL CURB RAMPS ARE PER CITY STD DETAIL CC-7.
- 8. TRIANGULAR DOMES SHALL BE DARK GREY UNLESS IN SCHOOL ZONE, WHERE THEY SHALL BE YELLOW.
- 9. CURB AND GUTTER PER CITY STD DETAIL CC-1 UNLESS OTHERWISE NOTED PER PLAN, GUTTER PAN CROSS SLOPE MAY VARY FROM STD PLAN CC-1, SEE PLAN FOR LIP OF GUTTER AND FLOW LINE GRADES FOR GUTTER PAN CROSS SLOPE.



1666 N. Main Street
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DATE	4/25/2019	PROJECT	5844
DESIGN	JW	CHECK	JAM

Prepared Under The Direction Of
SOUTH DIVISION
JOB: C08289

**2017 CONCRETE
VARIOUS LOCATIONS
WALNUT CREEK, CA**

NO.	Revisions	Date



CONTRACT NO.
16-11

**CEDRO LN
SIGNAGE AND STRIPING
PLAN**

Sheet Number:
L-5
7 of 22

811
Know what's below.
Call before you dig.
EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS

Before Construction: Cedro Lane



After Construction: Cedro Lane



Crosswalk Improvements:



