Ann M. Stillman
Interim Director

County Government Center
555 County Center, 5th Floor
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April 26, 2022

Subject: Santa Cruz Avenue and Alameda de las Pulgas Improvement Project – Avy Avenue to Sand Hill Road

Background

The Santa Cruz Avenue and Alameda de las Pulgas Project (Project) is the result of a process that started in January of 2017. The County of San Mateo Department of Public Works (Department) worked closely with the community to collaboratively develop the Santa Cruz Avenue and Alameda de las Puglas Improvements Study, dated August 2020 (Study). The Study provided recommendations that were consistent with the goals and objectives identified through a robust community outreach effort led by the Community Members of the Santa Cruz Avenue/Alameda De Las Pulgas Roadways Improvement Task Force (Task Force), fire and law enforcement officials, City of Menlo Park, Town of Atherton, and Department staff. The Study additional received letters of support from the San Mateo County Bicycle and Pedestrian Advisory Committee (Attachment A) and from the Task Force (Attachment B). The recommendations, along with an application for grant funding for design work was approved by the County of San Mateo Board of Supervisors at their October 10, 2020 meeting (Attachment C).

Current Status

The Department has been working with a consultant (Kimley Horn and Associates) to finalize the design of the Project. The 60% complete plans were recently completed and reviewed by the Department. The Project plans are available online for public review. The plans have been annotated to identify how the approved recommendations from the Study have been incorporated into the design of the Project. Specific pages have been extracted from the Study and annotated with numbers (Attachment D). These annotated numbers have been placed on the plan set to show how the recommendations are being incorporated into the 60% Project design (Attachment E).

Next Steps

The information being provided is **for general informational purposes only and the project plans are not approved for Construction**. The Department acknowledges and respects the robust, transparent, and inclusive process to date to arrive at the approved recommendations and will work to incorporate the approved recommendations from the Study into the Project plans. Any questions or comments regarding the plans can be sent to DPW_santacruzalameda@smcgov.org.

The Department has completed review of the 60% plan set and will be working with the consultant to prepare the 90% set of plans. The final design of the Project is scheduled to be completed in the summer/fall of 2022. The Project does not have any dedicated funding for construction; however, the Department is working concurrently to identify grant opportunities for the construction phase.

f:\users\design\c3d\e5043000_santa cruz avenue corridor\12 design\60% p&s\website\sc-adlp 60% memo.docx

Attachment A

COUNTY OF SAN MATEO
BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE

Department Liaison:
San Mateo County Office of Sustainability
455 County Center, 4th Floor
Redwood City, CA 94063
Phone: (888) 442-2666
www.smcsustainability.org

February 20, 2020

Jim Porter
Director, Department of Public Works
555 County Center
Redwood City, CA 94063

RE: Santa Cruz/Alameda de las Pulgas Safety Improvements

Dear Mr. Porter:

The Bicycle and Pedestrian Advisory Committee to the Board of Supervisors of San Mateo County has, since the formation of the BPAC in 2016, participated actively in the consideration of alternatives for improving pedestrian and bicycle safety in the Santa Cruz Avenue/Alameda de las Pulgas corridor in Menlo Park and adjacent unincorporated areas.

The matter has been discussed at several BPAC meetings, including most recently a meeting on February 20, 2020. At these meetings the BPAC has heard from senior county officials and community representatives. BPAC members have participated in several community meetings, including the recent meeting on January 30, and one alternate member of the BPAC, John Langbein, has been a member of the task force that has been coordinating with the Department of Public Works.

The corridor has received so much attention because it is more than an important transportation artery: it is also very much a neighborhood street. We have heard from parents who fear to let their children cross the street on their way to school and play, and who are thus forced into their cars for relatively short trips. We have heard from cyclists who view this corridor as the most dangerous part of their daily commute, and from others who would consider walking or cycling to work or school or stores but who are deterred by sheer physical risk. It is clear that for several decades we have been prioritizing automobile flow in this corridor over all other considerations, and the result is a community that lives in fear of its own main street.

The BPAC is also cognizant of the Complete Streets Policy set by the Board of Supervisors (resolution 072326; January 8, 2013) and believes that the task force has worked to fulfill this policy.

After a multiyear process that has featured active involvement from the community and the DPW, we are down to a series of alternatives that represent very different approaches to the problem. The BPAC has reviewed these alternatives and has the following recommendations:

COMMITTEE MEMBERS:

Susan Doherty, *Chair*
Dianna Butcher, *Vice Chair*
Natalie Gore
Bill Kelly
John Langbein (Alternate)
Elaine Salinger (Alternate)

Adopt Alternative "B" for both the Santa Cruz Avenue and Alameda de las Pulgas sections.

The "road diet" reflected in these alternatives would create a single lane for cars in both the northbound and southbound directions, plus turn lanes, widened sidewalks and buffered bike lanes. It would promote pedestrian and bicycle safety and activity by effectively narrowing the distance that these users would have to negotiate to cross the corridor, and by separating people from cars.

This would be a significant change with substantial community benefits, but it is not such a radical idea. The Alameda is already a two lane street north of Avy and south of Sand Hill (where it becomes Junipero Serra), and so as a practical matter the road diet would simply make this approach consistent through the entire corridor. The community surveys in connection with the project show consistent support from residents for prioritizing safety, even at the cost of eliminating traffic lanes.

We understand that some have expressed reservations about this alternative because of current and projected traffic congestion, especially in the afternoon commute period. But we believe that these concerns are overblown. The analyses appear to assume that the number of cars moving through the corridor is a fixed (and, in the case of projected volumes, growing) quantity, whereas in practice traffic levels are affected by a wide range of factors, including:

- the availability of alternative routes
- the greater use of active modes of transportation (we should, for example, expect that some people will shift from their cars when it is safer to walk or cycle)
- the impact of government programs to deter single passenger car use in urbanizing sectors like downtown Menlo Park

In other words, we believe that rational people and governments will adapt.

On the other hand, if Alternative C is chosen, then we suggest that the two bike lanes on Santa Cruz be widened slightly by reducing the lane width of the center turn lane from 11 to 10 feet, consistent with the widths of the proposed three travel lanes.

Adopt Alternative "C" for the "Y" intersection of Santa Cruz Avenue and Alameda de las Pulgas.

Although none of the alternatives is particularly advantageous for cycling, Alternative C offers the most improvements for pedestrians as it maintains all four crossings of this complex intersection and provides for relatively short crossing distances with median refuges. For cycling, both Alternatives A and C each have some elements that better accommodate cyclists. We suggest that the final plan include both the separated bike lane for northbound Santa Cruz cyclists depicted in Alternative A and the defined bike lane on southbound Alameda depicted in Alternative C.

Do not permit "right turns on red" at the "Y".

Whichever alternative is chosen, however, we believe that in the northbound direction cars should not be permitted to make the right onto Santa Cruz unless there is a green light. This is a troublesome intersection at best, especially for cyclists seeking to continue northbound onto the Alameda, and we fear that a "right turn on red" rule will put cyclists and pedestrians at unreasonable risk.

The BPAC would like to thank the Department for its thoughtful approach to this opportunity, and especially for its efforts to ensure that all relevant constituencies are heard from. We look forward to continuing to work with you to bring the benefits of the project to the residents and other users of the corridor.

Respectfully submitted,

for Susan Doherty

Susan Doherty, Chair
San Mateo County Bicycle and Pedestrian Advisory Committee

cc: Joe Lococo
Diana Shu
Harry Yip

Attachment B

County of San Mateo
Board of Supervisors

RE: Support for Adoption of the Santa Cruz Avenue/Alameda De Las Puglas Study

August 6, 2020

Dear Ladies & Gentleman of the Board,

As the 14 community volunteers who have had the privilege of serving on the Santa Cruz Avenue / Alameda De Las Puglas Roadways Improvements Task Force, we hope you will carefully consider and expeditiously adopt the recommendations contained in our Study. At the heart of this two+ year study is the overarching goal of creating a fundamentally safer environment for everyone that lives on, or near, or transits through, these sections of Santa Cruz Avenue and Alameda De Las Puglas. An added benefit of these recommendations is they also result in a markedly better and more livable environment for the thousands of residents that call this portion of Menlo Park home. And, we are proud of the fact that these substantial benefits can be achieved with minimal impact on traffic flow and transit times as is also documented in the Study.

Beyond the findings in the report, we also want you to know that the process driving these recommendations stands as a powerful, positive example of what is possible when community involvement and input is cultivated, and coupled with a genuine spirit of collaboration between citizens and their local government. As is well documented, our Task Force engaged with many hundreds of residents, motorists, cyclists, and relevant public entities including Fire, law enforcement, local schools, and adjacent local governments.

We thank you for your support in enabling and encouraging this "partnership". It has been a privilege to serve as the representatives of our neighbors and those that use this important transit corridor. It also has been a wonderful experience to work directly with a number of very capable public employees – particularly those at the County Department of Public Works.

As the community members of the Task Force, we urge your swift adoption of the recommendations contained in our Study. We will continue to aggressively work with you and the relevant agencies to spur their implementation.

Cordially,

John Longhini for

The Community Members of the Santa Cruz Avenue / Alameda De Las Puglas Roadways Improvement Task Force

Attachment C

County of San Mateo

Inter-Departmental Correspondence

Department: PUBLIC WORKS
File #: 20-825

Board Meeting Date: 10/20/2020

Special Notice / Hearing: None
Vote Required: Majority

To: Honorable Board of Supervisors

From: James C. Porter, Department of Public Works

Subject: Santa Cruz Avenue and Alameda de las Pulgas Improvements Study

RECOMMENDATION:

Adopt a resolution approving the Santa Cruz Avenue and Alameda de las Pulgas Improvements Project and supporting an application to the San Mateo Transportation Authority for pedestrian and bicycle program funding.

BACKGROUND:

The Santa Cruz Avenue and Alameda de las Pulgas corridor from Sand Hill Road to Avy Avenue serves as a key connection between communities in unincorporated San Mateo County, the City of Palo Alto, Stanford University, and the City of Menlo Park. It also provides local access to the West Menlo Park area, including several schools. The corridor is currently auto-oriented and is also a main route for cyclists and buses. There are “Share the Road” pavement markings for bicyclists and autos, and SamTrans and school bus stops along the corridor. The community requested the Department to evaluate improvements to this corridor to enhance corridor safety and accessibility for multi-modal usage.

Funded primarily by **Measure K** funds, the Santa Cruz Avenue and Alameda de las Pulgas Improvements Study identified and assessed potential improvement measures. These measures are consistent with goals and objectives identified through a robust community outreach effort led by a Task Force of community members and, fire and law enforcement officials, and Public Works staff.

Since 2017, the project, with continual support from Supervisor Horsley’s Office, was guided by the community Task Force that engaged the community for input and feedback, which resulted in several recommendations. The County also retained a transportation engineering consultant, Kimley-Horn, to provide technical expertise and to analyze potential traffic impacts of various improvement recommendations. This study focused on a portion of Santa Cruz Avenue (between Sand Hill Road and Sharon Road) and Alameda de las Pulgas (between Santa Cruz Avenue and Avy Avenue), located in unincorporated San Mateo County and in the City of Menlo Park.

In August of 2017, the Department of Public works (Department) held its first community meeting where approximately 120 community members, including members of Santa Cruz/Alameda Safety for Everyone (SAFE), local law enforcement, and City of Menlo Park and County officials attended. The purpose of this meeting was to gather input from the community on corridor usage, challenges, and to prioritize the types of improvements that could be considered. The outcome of this meeting was the formation of the Task Force.

In September of 2018, an extensive survey of the local community was conducted and a total of 701 responses were collected. There was consensus by all respondent groups to the survey for improvements along the study corridor. This included: reduction of vehicle travel speeds, sidewalk improvements, and dedicated bike lanes. Considering the constrained roadway widths, respondents were willing to reduce the number of travel lanes in each direction to provide safety improvements.

Monthly Task Force meetings were held to develop alternatives for roadway improvements. Working with the community, the Task Force and project team developed four alternative designs and a pilot project to remove one lane from northbound Santa Cruz Avenue before the intersection.

Some of the safety improvements identified during the process were implemented by the Department. Improvements such as: reduced speed limit to 25 miles per hour, added radar speed feedback signs, added “Share the Road” bicycle pavement markings, extended keep clear pavement markings, added traffic delineators at Menlo Commons, updated high-visibility “ladder-style” crosswalks, modified signal timing at Sharon Road to give pedestrians a “head start,” reducing conflicts by modifying signals to create gaps for residents entering/exiting the roadway, and removed the free-right turn lane from northbound Santa Cruz Avenue at Alameda de las Pulgas.

DISCUSSION:

The Task Force presented its alternatives at a public meeting on January 30, 2020 and solicited the public’s preferences through an online survey. In general, the alternatives included: (1) keeping the status-quo, (2) minimal improvements without reducing vehicle lanes, (3) reducing one vehicle lane in each direction for dedicated bike lanes and sidewalk improvements, and (4) a hybrid approach of 2 and 3. The survey yielded a clear preference for the hybrid approach; therefore, the Task Force recommended the hybrid alternative that aligned with the community’s preference. Below is a summary of the preferred alternative:

Element #1 - Alameda de las Pulgas from Avy Avenue to Santa Cruz Avenue:

- Reduce one lane in each direction to allow dedicated bike lanes, sidewalks that meet current Americans with Disabilities Act (ADA) standards, a two-way left turn lane

Element #2 - Santa Cruz Avenue from Sand Hill Road to Alameda de Las Pulgas:

- Reduce one lane from the southbound direction to allow dedicated bike lanes, sidewalks that meet current ADA standards

Element #3 - The “Y” Intersection of Alameda de las Pulgas and Santa Cruz Avenue

- Reduce intersection size to improve sightlines, reduce pedestrian crossing times.
- Retain no right-turn on red for northbound Santa Cruz Avenue towards Downtown Menlo Park.

The San Mateo County Bicycle and Pedestrian Advisory Committee provided a Letter of Support for the Study (Attachment A), as well as Letter of Support from the Community Members of the Santa Cruz Avenue/Alameda de Las Pulgas Roadways Improvement Task Force (Attachment B). The Santa Cruz Avenue and Alameda de las Pulgas Roadway Improvements Study is provided in Attachment C.

With the preferred alternative identified, additional funding will be required to advance the Study to the next phase. The total estimated cost to implement the project is between $5,000,000 - 6,000,000. Staff seeks support from this Board to apply for grants to fund various phases of the project.

Staff has identified one grant opportunity from the San Mateo County Transportation Authority and is asking this Board to adopt a resolution in support of the project and the grant application. The grant would fund the development of Engineering, Environmental, and Permitting documents. Further funding would be required for Construction.

FISCAL IMPACT:
There is no fiscal impact for approving this study and supporting the grant application.

ATTACHMENTS:
Attachment A - Letter of Support from San Mateo County Bicycle and Pedestrian Advisory Committee

Attachment B - Letter of Support from the Community Members of the Santa Cruz Avenue/Alameda de Las Pulgas Roadways Improvement Task Force

Attachment C - The Santa Cruz Avenue and Alameda de las Pulgas Roadway Improvements Study

RESOLUTION NO. 077821

BOARD OF SUPERVISORS, COUNTY OF SAN MATEO, STATE OF CALIFORNIA

* * * * * *

RESOLUTION APPROVING THE SANTA CRUZ AVENUE AND ALAMEDA DE LAS PULGAS IMPROVEMENTS PROJECT AND SUPPORTING AN APPLICATION TO THE SAN MATEO COUNTY TRANSPORTATION AUTHORITY FOR PEDESTRIAN AND BICYCLE PROGRAM FUNDING

RESOLVED, by the Board of Supervisors of the County of San Mateo, State of California, that

WHEREAS, the County of San Mateo Department of Public Works (Department) has identified roadway improvements to the Santa Cruz Avenue and Alameda de las Pulgas Corridor to improve safety for drivers, bicyclists, and pedestrians using the corridor; and,

WHEREAS, the Sponsor has developed the Santa Cruz Avenue and Alameda de las Pulgas Improvements Project (Project) to increase visibility, provide crosswalk improvements, dedicated buffered bicycle lanes, and sidewalks that meet current Americans with Disability Act (ADA) standards; and

WHEREAS, it will cost $6,000,000 to implement the Project scope; and

WHEREAS, the Department is seeking $700,000 for the Project; and

WHEREAS, the San Mateo County Transportation Authority (TA) issued a Call for Projects for the Measure A & W Pedestrian and Bicycle Program on August 7, 2020; and

WHEREAS, the Transportation Authority requires a governing board resolution from the Department for the following items:

1. Supporting the Project and application for $700,000 in TA Pedestrian and Bicycle Program funds for Project, and
2. Committing the Sponsor to the completion of the Project, including the commitment of matching funds in the amount of $250,000 needed for implementation, and
3. Certifying that any funds awarded by the San Mateo County Transportation Authority will be used to supplement existing funds for program activities and will not replace existing funds or resources.
4. Authorizing the chief executive of the Sponsor, or designee, to sign a funding agreement with the TA, if funds are awarded, for TA pedestrian and bicycle program funding for the Project and to take any other actions necessary to give effect to this resolution.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED that the Board of Supervisors.

1. Adopts the Santa Cruz Avenue and Alameda de las Pulgas Improvements Project.
2. Directs the County of San Mateo Public Works to submit an application for TA Measure A Pedestrian and Bicycle Program funds for $700,000 for the Santa Cruz Avenue and Alameda de las Pulgas Improvements Project.
3. Authorizes the Public Works Director, or designee, to execute a funding agreement with the San Mateo County Transportation Authority to encumber any TA Pedestrian and Bicycle Program funds awarded.
4. Commits to the completion of the Project, including the commitment of $250,000 of matching funds needed for implementation, if awarded the requested TA funds.
5. Certifies that any funds awarded by the San Mateo County Transportation Authority will be used to supplement existing funds for program activities

and will not replace existing funds or resources.

6. Take any other actions necessary to give effect to this resolution.

* * * * * *

RESOLUTION NUMBER: 077821

Regularly passed and adopted this 20th day of October, 2020.

AYES and in favor of said resolution:

Supervisors: *DAVE PINE*

DON HORSLEY

WARREN SLOCUM

DAVID J. CANEPA

NOES and against said resolution:

Supervisors: *NONE*

RECUSED:

Supervisors: *CAROLE GROOM*

President, Board of Supervisors
County of San Mateo
State of California

Certificate of Delivery

I certify that a copy of the original resolution filed in the Office of the Clerk of the Board of Supervisors of San Mateo County has been delivered to the President of the Board of Supervisors.

Deputy Clerk of the Board of Supervisors



8. Recommended Solutions

8.1. Task Force Vote

On March 11, 2020, County of San Mateo staff met with the Task Force and concluded that there was a consensus from the public regarding which alternatives to move forward with for each segment. The Task Force voted on the recommended solutions and the following details the results:

- Alameda de las Pulgas from Avy Avenue to the Y Intersection
  - Unanimous decision for the Road Diet
- Santa Cruz Avenue from Sand Hill Road to the Y Intersection
  - Unanimous decision for Alternative C
- Y Intersection
  - 4 ayes and 1 abstain for Alternative C
- Signal Operation of Y Intersection for Northbound Right Turn along Santa Cruz Avenue
  - Unanimous decision for No Right Turn on Red

It should be noted that there was further discussion on the Y Intersection by the group. Of the 503 survey responses, 18 respondents requested consideration of SAFE Concept 10.5 and the Task Force recommended including a discussion in the Final Report specific to SAFE Concept 10.5 and aspects of that concept that were either feasible or infeasible. As noted in Chapter 5, that alternative was considered and implemented to the extent feasible. Other aspects of that concept not included in the plan were deemed geometrically infeasible given the constraints of this project.

8.2. Recommended Corridor Configuration

Design Assumptions

Improvement design has been completed at a conceptual level based on aerial photographs only. Existing right-of-way and roadway geometrics have not been confirmed by a field survey. Thus, recommended improvements will likely undergo refinement through preliminary engineering and final design once precise geometrics are obtained.

The Caltrans Highway Design Manual was used as a basis of design. The proposed concepts assume a minimum vehicle lane width of 10 feet for the travel lanes and 11 feet for the center two-way left turn lane to reduce the overall geometric cross section. The concepts assume a minimum bicycle lane width of five feet, not including a striped buffer. Horizontal curve radii were based on design speed and did not account for superelevation, as no vertical information was known about the existing roadway. The current widths of the sidewalks along the study corridor are estimates and will need to be confirmed and/or revised during the final design based on field survey.

The goal of the conceptual development work included as part of this project was to evaluate feasibility, gain an understanding of opportunities within the estimated right-of-way, estimate improvement costs, and develop a set of recommendations that can be advanced for further engineering. A set of engineering concepts was developed for each of the alternatives discussed in this report and for the final preferred alternative. The improvement alternative concepts are provided in Appendix D and the preferred alternative concept is provided in Appendix G.

Preferred Alternative Benefits

Based on the community input, the following improvements shown in Tables 8-1 through 8-3 summarize the preferred alternative for the study corridor.

Table 8-1: Santa Cruz Avenue between Sand Hill Road and the Y Intersection Improvements

	Location	Improvement	Benefit
1	Entire segment	Install 5-foot or 6-foot bicycle lane Provide dashed green striping in bike lanes within conflict areas	Improved bicycle safety
2	Entire segment	Reconstruct/widen sidewalk where feasible to a maximum of 5 feet and 6 inches	Improved pedestrian safety
3	Entire segment	Remove one travel lane in the southbound direction	Allow for other improvements
4	Entire segment	Restripe travel lanes to be 10 feet wide and the center two-way left-turn lane to be 11 feet	Reduced vehicle speeds
5	Intersection of Santa Cruz Avenue/Sand Hill Road	Install two-stage turn box for bicyclists making a southbound left turn[a]	Improved bicycle safety
6	Intersection of Santa Cruz Avenue/Sand Hill Road	Shift crosswalk locations on the north and west legs to be closer to center of intersection[a]	Improved pedestrian safety
7	Intersection of Santa Cruz Avenue/Sand Hill Road	No right turn on red restriction for southbound right turn movement[a]	Improved pedestrian safety
8	Intersection of Santa Cruz Avenue/Sand Hill Road	Install 2-foot raised median separating southbound traffic and northbound traffic on north leg of intersection	Improved vehicle safety
9	Intersection of Santa Cruz Avenue/Palo Alto Way	Install new curb ramp and bulb out on northeast corner of intersection Install a rectangular rapid flashing beacon Install yield pavement markings Install a 3-foot raised median island on the north leg of the intersection	Improved pedestrian safety

(a) Improvement to be coordinated with City of Menlo Park

Table 8-2: Alameda de las Pulgas between the Y Intersection and Avy Avenue Improvements

	Location	Improvement	Benefit
10	Entire segment	Install 5-foot or 6-foot bicycle lane with 3-foot buffer Provide dashed green striping in bike lanes within conflict areas	Improved bicycle safety
11	Entire segment	Reconstruct/widen sidewalk where feasible to a maximum of 5 feet and 6 inches	Improved pedestrian safety
12	Entire segment	Remove one vehicle travel lane in each direction	Allow for other improvements
13	Entire segment	Install a center two-way left-turn lane	Improved vehicle safety
14	Entire segment	Restripe travel lanes to be 10 feet wide and the center two-way left-turn lane to be 11 feet	Reduced vehicle speeds and provide width for bicycle facility
15	Intersection of Alameda de las Pulgas/Clayton Drive	Install new curb ramps Install new crosswalk on Clayton Drive	Improved pedestrian safety
16	Intersection of Alameda de las Pulgas/Sharon Road	Install new bus stop on southwest corner	Improved safety
17	Intersection of Alameda de las Pulgas/Sharon Road	Install new curb ramps Install bulb outs Modify signal timing to include a leading pedestrian interval	Improved pedestrian safety
18	Intersection of Alameda de las Pulgas/Prospect Street	Install new curb ramps Install new crosswalk on Prospect Street	Improved pedestrian safety
19	Intersection of Alameda de las Pulgas/Liberty Park Avenue	Install new curb ramps Install a rectangular rapid flashing beacon Install yield pavement markings Install a raised median island on the north leg and south leg of the intersection	Improved pedestrian safety and reduced vehicle speeds
20	Intersection of Alameda de las Pulgas/Harkins Avenue	Install new curb ramps Install new crosswalk on Harkins Avenue	Improved pedestrian safety
21	Intersection of Alameda de las Pulgas/Avy Avenue	Install bicycle loops on both Avy Avenue approaches	Improved bicycle safety

Table 8-3: Y Intersection Improvements

	Location	Improvement	Benefit
22	Entire intersection	Reconstruct/widen sidewalk where feasible to a maximum of 5 feet and 6 inches	Improved pedestrian safety
23	South leg of intersection	Install a 5-foot bicycle lane and a 2-foot raised median between the northbound through lane and the right turn lane	Improved bicycle safety
24	South leg of intersection	Install a 5-foot bicycle lane to the right of the northbound right turn lane	Improved bicycle safety
25	South leg of intersection	Install a buffered 5-foot bicycle lane to the left of the southbound receiving lane	Improved bicycle safety
26	South leg of intersection	Preserve pilot signal timing to restrict Right Turn on Red movements	Improved safety for all users
27	East leg of intersection	Install new curb ramps and crosswalk	Improved pedestrian safety
28	East leg of intersection	Install raised median separating eastbound and westbound vehicle traffic lanes	Improved vehicle safety
29	East leg of intersection	Construct new sidewalk and raised porkchop island on northeast corner of intersection	Improved pedestrian safety
30	North leg of intersection	Install raised median separating northbound and southbound vehicle traffic lanes	Improved vehicle safety
31	North leg of intersection	Install new curb ramps and crosswalk	Improved pedestrian safety

Opinions of Probable Cost

Opinions of probable cost were prepared for the recommended corridor configuration. The total construction cost of improvements for the entire study corridor is estimated to be $3.7 Million (2020 dollars). Inclusive of engineering, design and permitting costs, the total cost is estimated to be $5.4 Million (2020 dollars). The calculation worksheet for the opinion of probable cost is provided in Appendix H.

8.3. Preferred Alternative Traffic Analysis

Similar to the traffic analysis for Alternatives A and B, the recommended improvements for each segment and intersection were combined into one preferred alternative corridor and VISSIM model. The circulation metrics (discussed in greater detail in the preceding chapters) affecting the traffic analysis are:

- Modification to signal timing to restrict right turns on red for the southbound right turn movement at the intersection of Santa Cruz Avenue/Sand Hill Road
- Modification to signal timing to restrict right turns on red for the northbound right turn movement at the Y intersection
- Removal of one northbound through lane at the Y intersection
- Removal of one westbound left turn lane at the Y intersection
- Reduction of one travel lane in each direction and addition of a center two-way left-turn lane on Alameda de las Pulgas between the Y intersection and Avy Avenue

Attachment E

COUNTY OF SAN MATEO
CALIFORNIA

SANTA CRUZ AVENUE AND ALAMEDA DE LAS PULGAS IMPROVEMENT PROJECT

AVY AVENUE TO SAND HILL ROAD, MENLO PARK

COUNTY ROAD NUMBERS XX

TOTAL PROJECT APPROXIMATELY 0.66 MILE IN LENGTH

COUNTY PROJECT NO. RW924; PROJECT FILE NO. E5043

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS
DATED 2018 AND ADOPTED BY SAN MATEO COUNTY, FEBRUARY 11, 2020, BY RESOLUTION NO. 077227

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

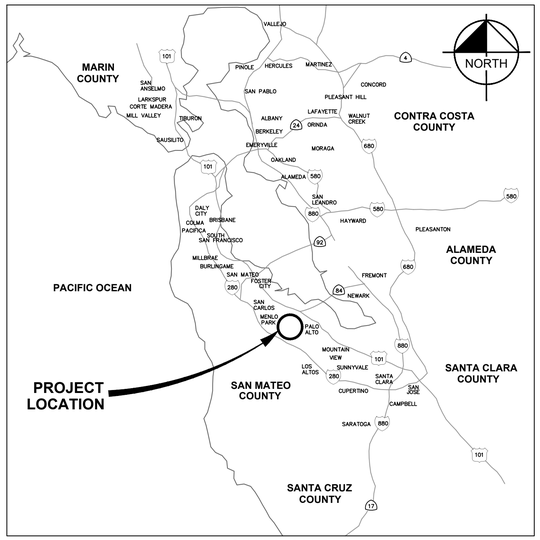
APPROVED:

DATE: _____

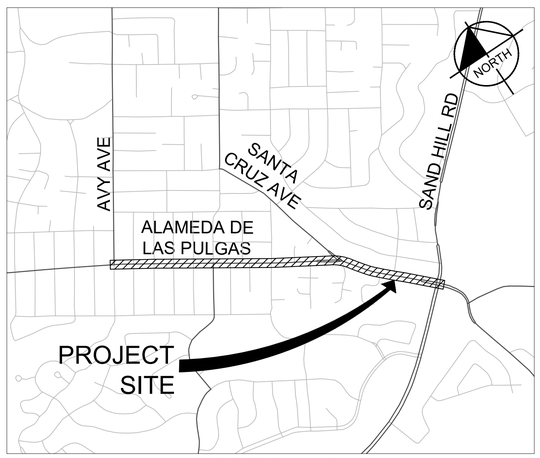
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

STANDARD ABBREVIATIONS:

BOC	BACK OF CURB
BOL	BOLLARD
BOW	BACK OF WALK
BVC	BEGIN VERTICAL CURVE
CB	CATCH BASIN
CL	CENTERLINE
C&G	CURB AND GUTTER
CTV	CABLE TELEVISION
CWS	CALIFORNIA WATER SERVICES
ELECT	ELECTRICAL
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
FC	FACE OF CURB
GB	GRADE BREAK
GM	GAS METER
HMA	HOT MIX ASPHALT
HP	HIGH POINT
ICV	IRRIGATION CONTROL VALVE
JT	JOINT TRENCH
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
Mod	MODIFIED
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MW	MONITORING WELL
O.C.	ON CENTER
PB	PULL BOX
Ped	PEDESTAL
PPB	PEDESTRIAN PUSH BUTTON
R	RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
Ret	RETAINING
S/C	SAWCUT
SDCO	STORM DRAIN CLEAN OUT
SDDI	STORM DRAIN INLET
SDMH	STORM DRAIN MANHOLE
SL	STREETLIGHT
SS	SIGNING AND STRIPING
SSWR	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SW	SIDEWALK
TB	TOP OF BERM
TC	TOP OF CURB
TELE	TELEPHONE
TMH	TELEPHONE MANHOLE
TS	TRAFFIC SIGNAL
TYP.	TYPICAL
VG	VALLEY GUTTER
WM	WATER METER
WV	WATER VALVE

LEGEND

DESCRIPTION	EXISTING	PROPOSED
ROW		
SAWCUT		
STORM DRAIN (CITY OF MENLO PARK)	SD	
SANITARY SEWER (WEST BAY SANITARY)	SS	
WATER (CALIFORNIA WATER SERVICES)	W	
GAS LINE (PG&E)	G	
ABANDONED GAS LINE (PG&E)	gs	
CABLE TELEVISION LINE (COMCAST)	CATV	
UNDERGROUND ELECTRIC LINE (PG&E)	E	
TELEPHONE LINE (AT&T)	T	
VAULT / PULL BOX		
ROUND DROP INLET		
GRATE INLET		
MONITORING WELL		
SDMH		SD
SSMH		
SSCO		
FIRE HYDRANT		
GATE VALVE		
WATER VALVE		
WATER METER		
ELECTRIC METER		
GAS METER		
METAL BEAM GUARDRAIL		
MONUMENT		
UTILITY POLE		
UTILITY POLE WITH LIGHT		
GUY WIRE		
SIGN		
STREET LIGHT		
STREET LIGHT HEAD		
TRAFFIC SIGNAL EQUIPMENT		

APPLICABLE STANDARDS:

2018 CALTRANS REVISED STANDARD PLANS

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60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

		DESIGNED BY: CLH/ASP/HW	SCALE: AS SHOWN
		CHECKED BY: JP	DATE: 3/18/2022
		DRAWN BY: SD/KS	FILE NO.: E5043
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

COVER SHEET

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CV-01
SHEET 1 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CV-01.DWG (CV-01)

KIMLEY-HORN GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, COUNTY STANDARD DETAILS AND SPECIFICATIONS, 2018 CALTRANS STANDARD SPECIFICATIONS AS AMENDED, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE COUNTY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
2. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
4. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER AND IF APPLICABLE THE COUNTY. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE COUNTY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL CALL 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.
7. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC UTILITIES.
8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, PROJECT AND COUNTY SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND INSPECTION REPORTS.
11. ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE.
12. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.
13. CONTRACTOR SHALL ARRANGE FOR REQUIRED COUNTY INSPECTIONS.
14. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
15. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE COUNTY INSPECTOR AND COMPLY WITH COUNTY STANDARD SPECIFICATIONS AND 2018 CALTRANS STANDARD SPECIFICATIONS. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.
16. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE COUNTY AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.
17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND COUNTY SPECIFICATIONS.
18. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
19. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
20. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC., TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
21. SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
22. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.
23. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.
24. CONTRACTOR STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION STORAGE AND STAGING OPERATIONS AND LOCATIONS.
25. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST VERSION OF THE CALIFORNIA MUTCD.
26. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING OR PLACING OF CONCRETE.
27. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING OR PLACING OF CONCRETE. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES OWNERS TO HAVE NON-COUNTY OWNED UTILITIES ADJUSTED TO GRADE.
28. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE COUNTY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.
29. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE COUNTY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.
30. CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND COUNTY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION. THESE CORRECTIONS CAN BE DONE BY HAND AND SCANNED TO PDF OR BY CAD PLOTTED TO PDF.

GENERAL NOTES

1. ALL WORK MUST COMPLY WITH THESE PLANS, THE PROJECT SPECIFICATIONS, THE COUNTY OF SAN MATEO STANDARD DRAWINGS AND THE 2018 CALTRANS STANDARD PLANS AND SPECIFICATIONS, AS AMENDED, AS SPECIFIED.
2. TRAFFIC CONTROL MUST BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF THE CA MUTCD. CONTRACTOR MUST HAVE AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO BEGINNING WORK. PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. UPDATE AND RESUBMIT AS NEEDED UNTIL THE PLAN IS APPROVED.
3. COMPLY WITH THE REQUIREMENTS FOR WATER POLLUTION CONTROL OUTLINED IN SECTION 13 OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.
4. DO NOT APPLY THERMOPLASTIC STRIPING USING HAND CART METHODS. THERMOPLASTIC TRAFFIC STRIPES WILL BE MEASURED BY THE LINEAR FOOT REGARDLESS OF GAPS OR THE NUMBER OF INDIVIDUAL STRIPES COMPRISING THE DETAIL (E.G. DETAIL 29 PLACED BETWEEN STATION 1+00 AND STATION 2+00 WILL BE MEASURED AS 100 LINEAR FEET EVEN THOUGH IT CONSISTS OF 400 LINEAR FEET OF STRIPE).
5. PROPOSED FEE IS CONSIDERED TO BE FULL COMPENSATION FOR PERFORMING ALL WORK AS SHOWN ON THE PLANS AND AS REQUIRED BY THE SPECIFICATIONS. NO ADDITIONAL PAYMENTS WILL BE MADE.
6. ALL CONSTRUCTION MUST BE TO THE COUNTY OF SAN MATEO STANDARDS AND ACCEPTED BY THE PUBLIC WORKS INSPECTOR. STANDARD PLANS ARE AVAILABLE AT THE OFFICE OF THE PUBLIC WORKS INSPECTOR AND ON THE COUNTY'S WEBSITE.
7. CONTRACTOR SHALL MEET WITH COUNTY OF SAN MATEO AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION, 24 HOURS NOTICE REQUIRED ON ALL INSPECTIONS.
8. CONTRACTOR IS RESPONSIBLE TO MAKE ALL ARRANGEMENTS FOR SITE INSPECTIONS AND INSURE THAT ALL CURRENT STANDARDS FOR THE COUNTY OF SAN MATEO ARE FOLLOWED PRIOR TO THE BEGINNING ANY PHASE OF CONSTRUCTION WORK.
9. CONSTRUCTION SHALL BE LIMITED TO BETWEEN THE HOURS OF 7:00 A.M. AND 6:00 P.M., MONDAY THRU FRIDAY AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL CITY BUSINESS HOURS: 8:00 A.M. TO 5:00 P.M., MONDAY THRU FRIDAY.
10. TIE OUT ALL MANHOLES, WATER VALVE COVERS, CLEAN OUTS, PULL BOXES, 5G BOXES, AND MONUMENTS, THEN PROVIDE DATA TO THE COUNTY REPRESENTATIVE 14 DAYS PRIOR TO ANY SURFACE TREATMENT.
11. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN A MINIMUM OF 10 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. DO NOT START WORK WITHOUT TRAFFIC CONTROL PLAN APPROVED BY THE COUNTY.
12. CONTRACTOR SHALL PROTECT MONUMENTS IN PLACE AND SHALL NOTIFY THE COUNTY INSPECTOR IF ANY ARE IDENTIFIED WITHIN THE LIMITS OF THE WORK.
13. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF LIMITS OF PROPOSED STRIPING AS SHOWN ON SS-SHEETS.
14. UNLESS OTHERWISE NOTED, ALL UTILITIES ARE TO REMAIN.
15. APPLY TACK COAT TO ALL SURFACES TO RECEIVE HMA.
16. THE CONTRACTOR IS RESPONSIBLE FOR ALL ADJUSTMENTS TO STORM DRAIN MANHOLES AS PART OF THE PROJECT.

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
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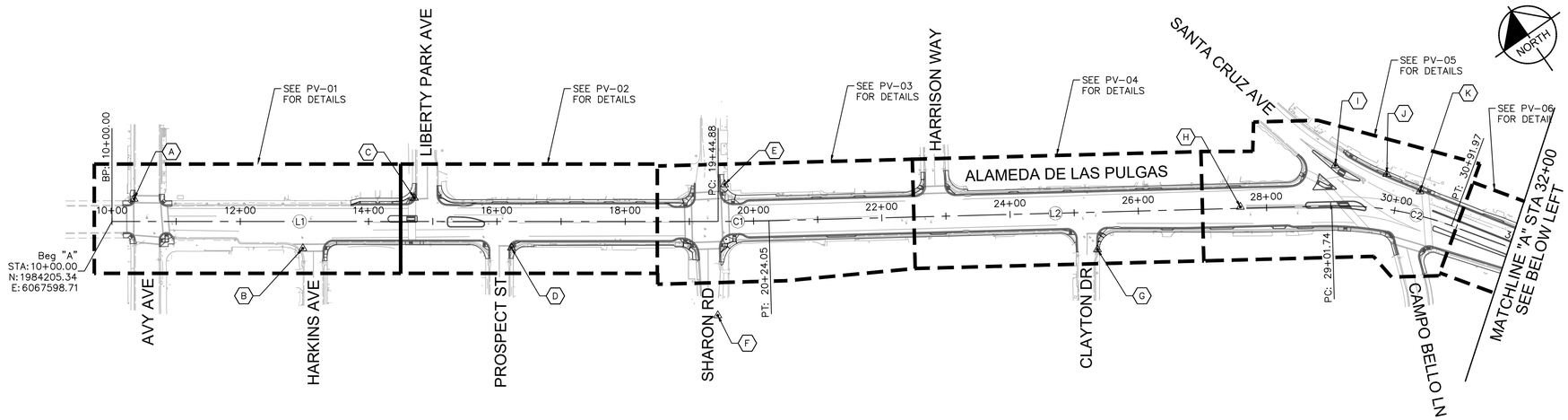
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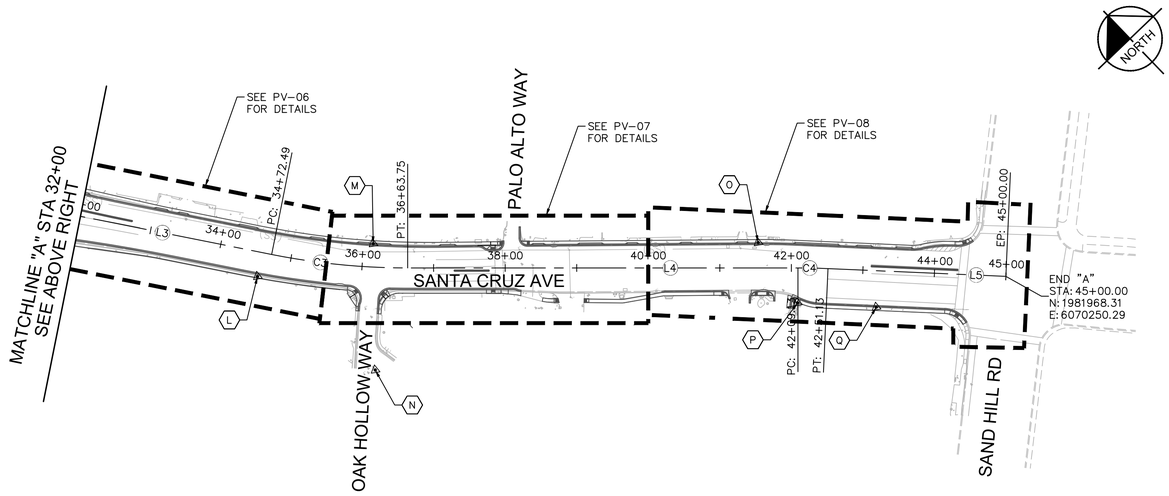
APPROVED DATE:	REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	GENERAL NOTES SHEET	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4		GN-01 SHEET 2 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\GN-01.DWG (GN-01)





APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

SURVEYOR NOTES

1. CONTROL IS CALIFORNIA STATE PLANE COORDINATES NAD83 BASED ON STATIONS P176, JRSC, P178, AND ZOA1 EPOCH 2017.50.
2. THE LATS AND LONGS WERE HELD FIXED IN A LEAST SQUARES ADJUSTMENT. TOPOGRAPHIC DATA IS EXPRESSED IN U.S. SURVEY FEET AND IS GRID. THE AVERAGE COMBINATION FACTOR FOR THE SITE IS 0.99993492 AND THE AVERAGE MAPPING ANGLE IS -1-02-40.72
3. ELEVATIONS ARE REFERENCED TO NAVD88, DEFINED LOCALLY BY STATIONS P176, JRSC, P178, AND ZOA1, THE ORTHOMETRIC HEIGHTS OF WHICH WERE HELD FIXED IN A LEAST SQUARE ADJUSTMENT
4. USING GEIOD 18. ELEVATIONS ARE EXPRESSED IN U.S. SURVEY FEET.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

POINT TABLE

POINT #	NORTHING	EASTING	STATION	OFFSET	ALIGNMENT	DESCRIPTION	ELEVATION
A	1984214.66	6067647.02	10+34.42	35.17' LT	"A" LINE	CP MAG	131.09
B	1984001.54	6067819.49	12+97.54	41.82' RT	"A" LINE	CTL SET MAG	148.48
C	1983967.17	6068006.96	14+71.22	36.67' LT	"A" LINE	CTL SET MAG	152.60
D	1983817.13	6068087.16	16+22.59	41.00' RT	"A" LINE	CTL SET MAG	158.41
E	1983709.04	6068416.44	19+55.02	57.63' LT	"A" LINE	FND CP 0 FLUSH SCB X	158.98
F	1983547.36	6068291.63	19+44.29	146.33' LT	"A" LINE	CTL SET MAG	165.92
G	1983294.76	6068836.66	25+34.81	55.18' RT	"A" LINE	CP SET SCBX	154.87
H	1983222.42	6069057.50	27+59.22	2.20' LT	"A" LINE	CTL SET MAG	153.42
I	1983191.32	6069215.87	29+07.98	62.94' LT	"A" LINE	CTL FD PK	150.61
J	1983134.49	6069274.23	29+80.54	54.16' LT	"A" LINE	CTL X ON CURB	148.89
K	1983082.78	6069301.31	30+31.68	36.87' LT	"A" LINE	CTL SET PK	148.09
L	1982690.80	6069494.08	34+59.04	33.97' RT	"A" LINE	CTL X ON WALK	149.74
M	1982612.21	6069642.67	36+13.90	32.72' LT	"A" LINE	CTL X ON CURB	146.29
N	1982482.56	6069522.71	36+24.28	143.58' RT	"A" LINE	CP	161.27
O	1982241.71	6070032.65	41+53.52	35.53' LT	"A" LINE	CTL SET X ON CURB	151.25
P	1982142.70	6070014.24	42+08.62	48.76' RT	"A" LINE	CTL INK X RSCT	151.44
Q	1982062.30	6070089.50	43+20.88	50.99' RT	"A" LINE	CTL SET X ON TC	152.30

LINE TABLE

LINE	DESCRIPTION	LENGTH	BEARING
L1	"A" LINE	944.88	S55°17'25.91"E
L2	"A" LINE	877.68	S56°48'09.28"E
L3	"A" LINE	380.53	S35°00'12.87"E
L4	"A" LINE	545.38	S46°18'01.24"E
L5	"A" LINE	248.87	S43°47'55.28"E

CURVE TABLE

CURVE	LENGTH	DELTA	RADIUS	TANGENT
C1	79.17'	1°30'43"	3000.00'	39.59'
C2	190.23'	21°47'56"	500.00'	96.28'
C3	191.25'	11°17'48"	970.00'	95.94'
C4	42.00'	2°30'06"	962.00'	21.00'

GRAPHIC SCALE IN FEET
0 50 100 200

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

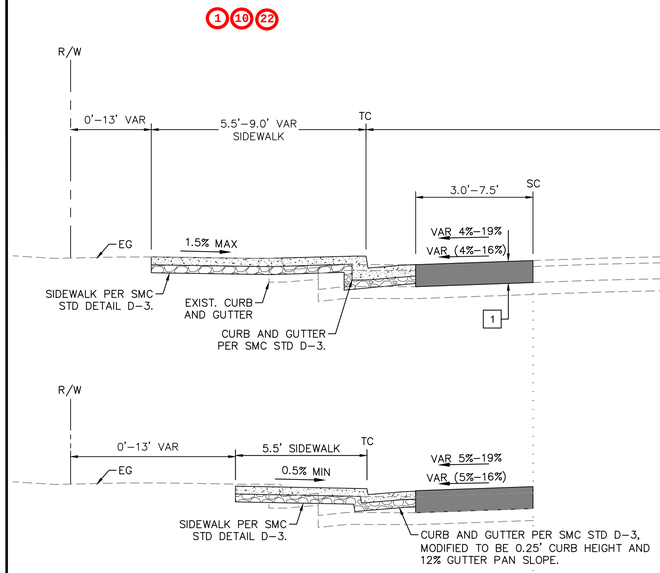
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	HORIZONTAL CONTROL SHEET	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

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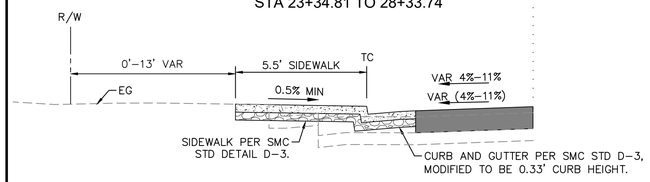
HC-01
SHEET 3 OF 58

FILENAME: K:\BAY_ROW*\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\HC-01.DWG (HC-01)



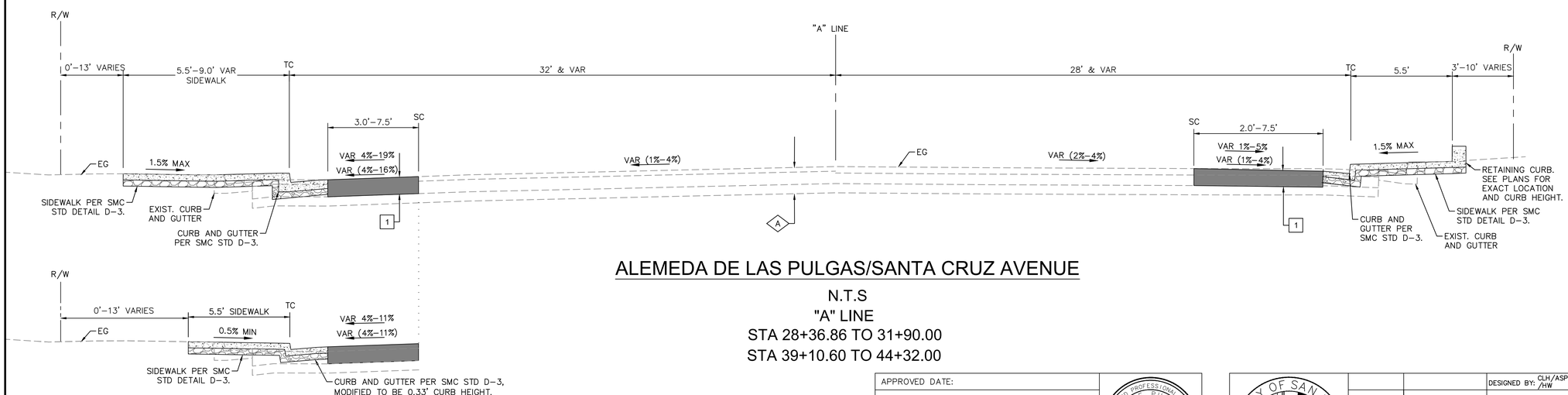
ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 15+67.77 TO 18+61.79
STA 20+36.33 TO 22+37.50
STA 23+34.81 TO 28+33.74



ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 30+06.27 TO 37+61.77



ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 13+50.20 TO 16+85.62
STA 17+69.05 TO 18+50.76
STA 20+91.52 TO 21+34.29
STA 22+63.58 TO 24+34.02
STA 25+65.80 TO 28+36.86
STA 33+00.77 TO 35+75.52
STA 36+53.42 TO 37+95.04

ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 13+50.20 TO 28+36.86
STA 31+90.00 TO 39+10.60

ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 28+36.86 TO 31+90.00
STA 39+10.60 TO 44+32.00

ALEMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

N.T.S
"A" LINE
STA 30+06.27 TO 37+61.77

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

PAVEMENT STRUCTURAL SECTIONS:

1 — 1' HMA (TYPE A)

EXISTING PAVEMENT STRUCTURAL SECTIONS:

A
- 0.25' AC (ASPHALT CONCRETE)
- 0.67' CTB (CEMENT TREATED BASE)
- 0.50' LTB (LIME TREATED BASE)

LEGEND:

- X — PROPOSED STRUCTURAL SECTION
- X — EXISTING STRUCTURAL SECTION
- HOT MIX ASPHALT (TYPE A)
- PCC
- AB (CLASS 2)
- VAR (X%–X%) — EXISTING GRADE
- VAR X%–X% — PROPOSED GRADE

NOTES:

1. SEE PV SHEETS FOR DETAILS NOT SHOWN HERE, INCLUDING WORK AT INTERSECTION CORNER LOCATIONS.
2. ALL DIMENSIONS ARE TO TOP FACE OF CURB (TC) UNLESS OTHERWISE INDICATED.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
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FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TX–01.DWG (4 TX–01)

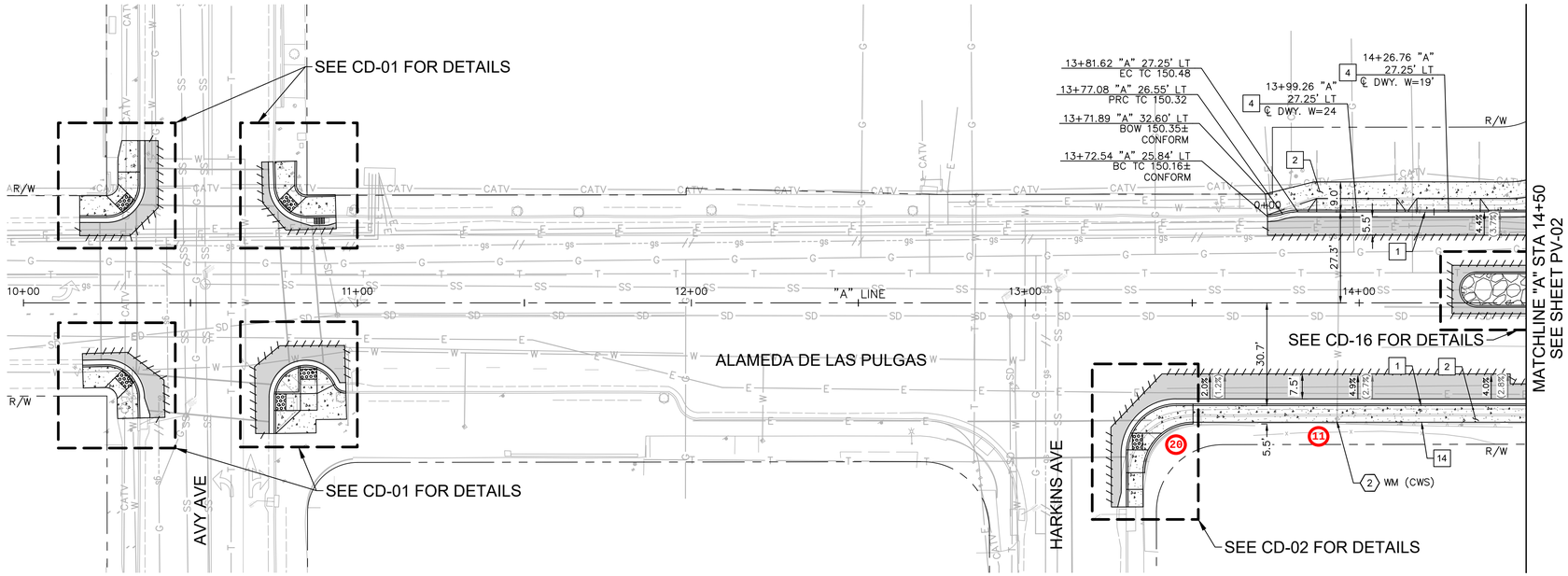
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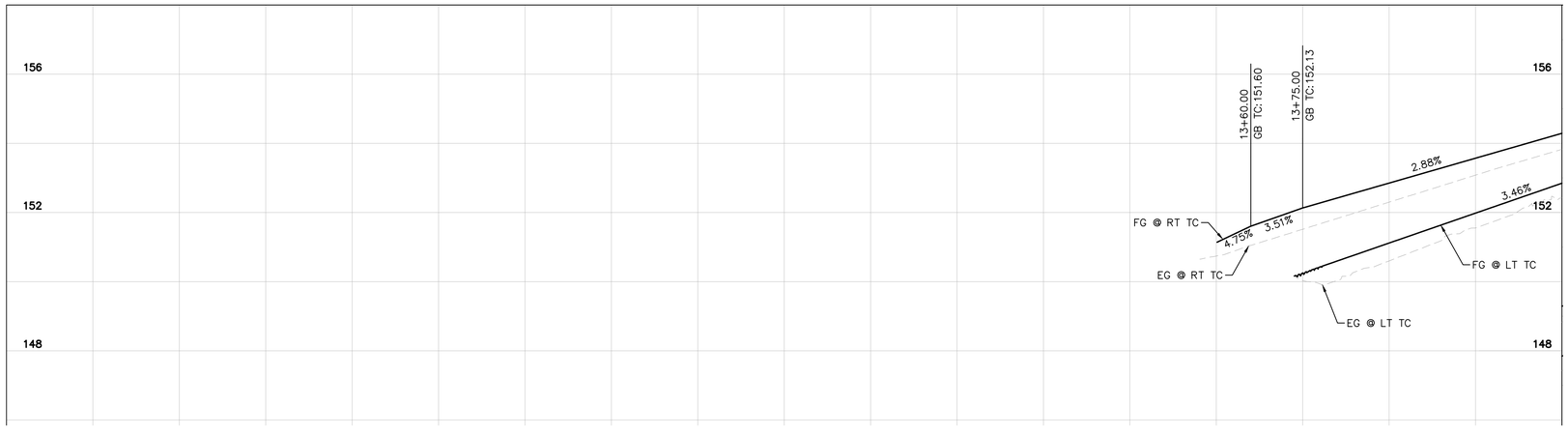
COUNTY OF SAN MATEO
PUBLIC WORKS

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		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4				TX-01 SHEET 4 OF 58



PLAN

STATION	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50
LT TC ELEV/OFFSET									151.12/27.25'LT	152.85/27.25'LT
RT TC ELEV/OFFSET									152.85/30.25'RT	154.29/30.25'RT



PROFILE
HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
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6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
14. 4" RETAINING CURB.

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	CHECKED BY: JP	DRAWN BY: SD/KS
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		
		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063		

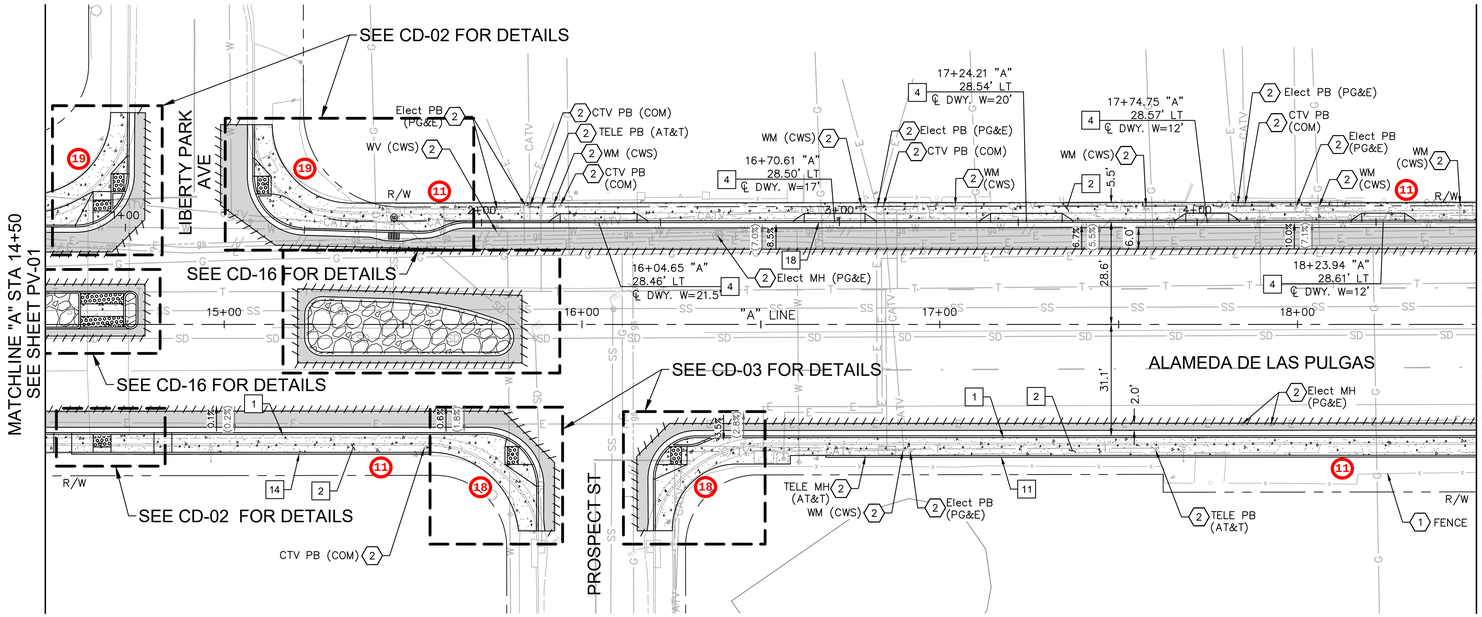
STA 10+00 TO STA 14+50
PLAN AND PROFILE

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

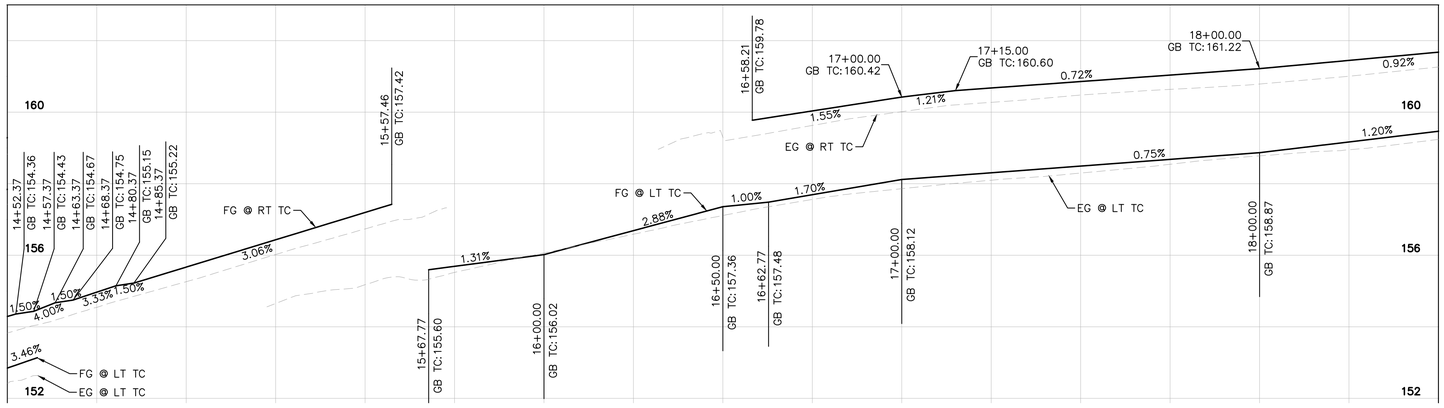
PV-01
SHEET 5 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-01.DWG (5 PV-01)



PLAN

STATION	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50
LT TC ELEV/OFFSET	152.85/27.25'LT			156.02/28.46'LT	157.36/28.49'LT	158.12/28.52'LT	158.49/28.56'LT	158.87/28.59'LT	159.47/28.62'LT
RT TC ELEV/OFFSET	154.29/30.25'RT	155.67/30.25'RT	157.20/30.25'RT			160.42/31.14'RT	160.86/31.11'RT	161.22/31.08'RT	161.68/31.06'RT



PROFILE

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED:

DATE:

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE

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CONSTRUCTION NOTES

- 1 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 4 DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- 11 6" RETAINING CURB.
- 14 4" RETAINING CURB.
- 18 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.

DEMOLITION & UTILITY NOTES

- 1 EXISTING TO REMAIN.
- 2 ADJUST TO GRADE.

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

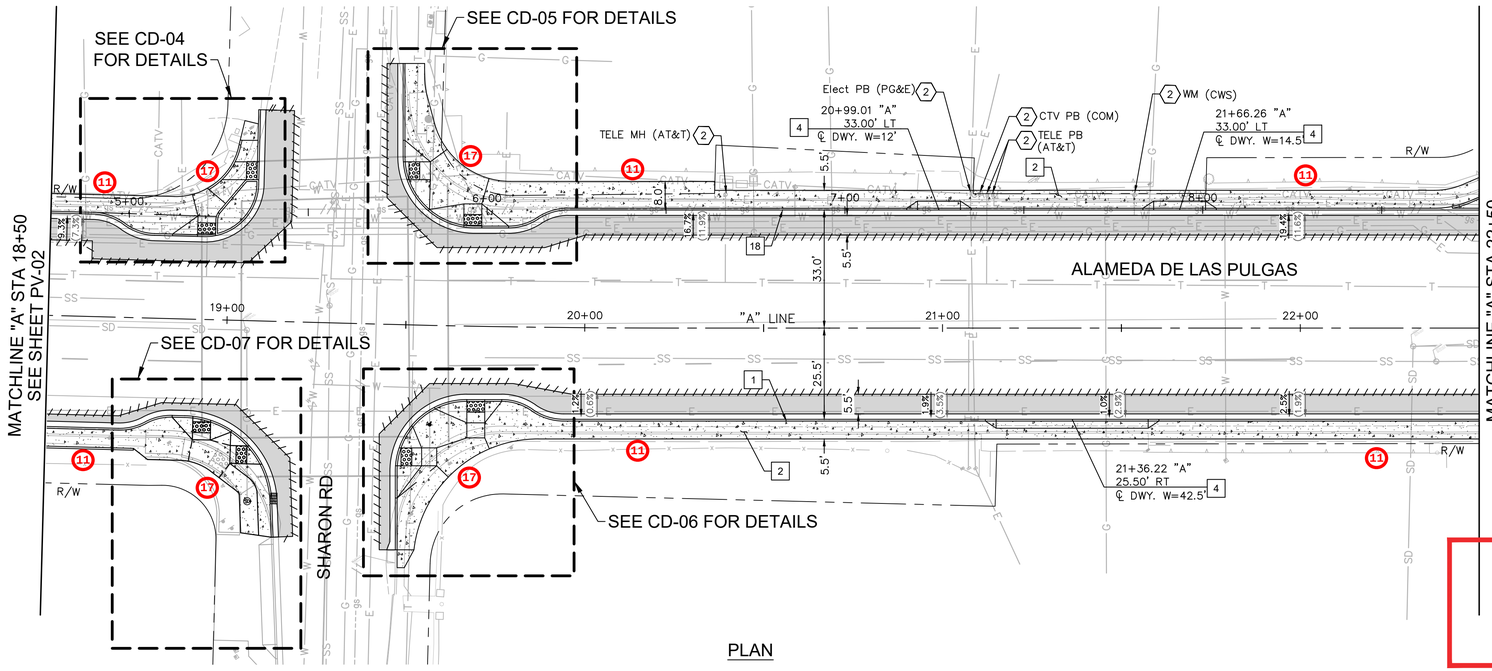
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		DESIGNED BY: CLH/ASP /HW	STA 14+50 TO STA 18+50 PLAN AND PROFILE
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

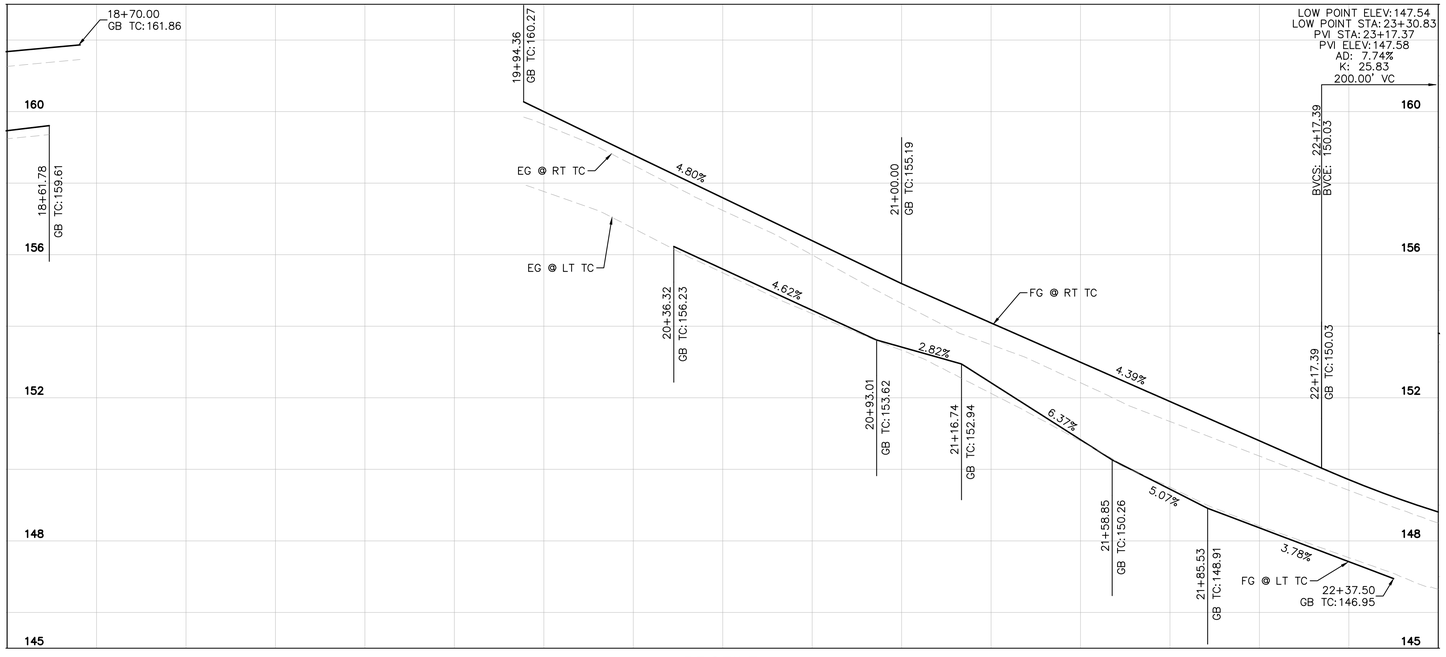
PV-02
SHEET 6 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-01.DWG (6 PV-02)



PLAN

STATION	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50
LT TC ELEV/OFFSET	159.47/28.62'LT				155.60/33.00'LT	153.42/33.00'LT	150.83/33.00'LT	148.36/33.00'LT	
RT TC ELEV/OFFSET	161.68/31.06'RT			160.00/25.60'RT	157.59/25.50'RT	155.19/25.50'RT	152.99/25.50'RT	150.80/25.50'RT	148.81/25.50'RT



PROFILE

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% — PROPOSED GRADE
- (XX%) — EXISTING GRADE

NOTES

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CONSTRUCTION NOTES

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2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
18. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-01.DWG (7 PV-03)

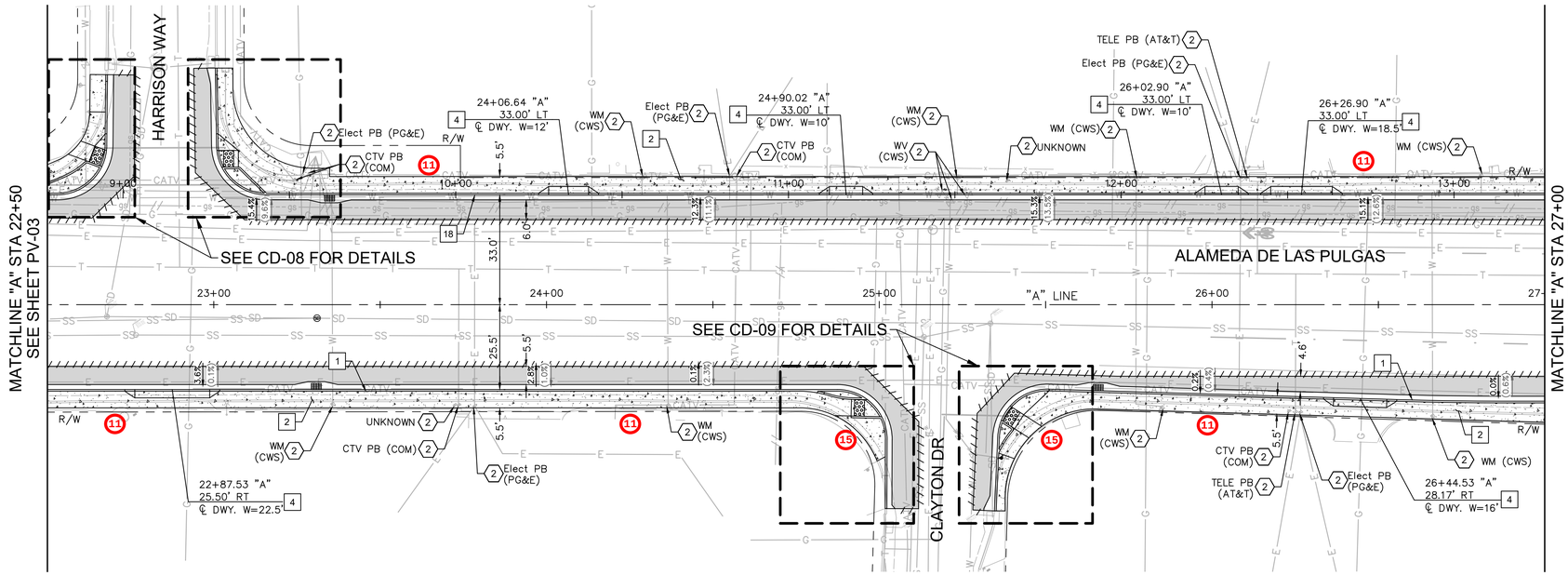
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		CHECKED BY: JP	PLAN AND PROFILE
JOHN PULLIAM		DRAWN BY: SD/KS	
KIMLEY-HORN		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
R.C.E. # 68897 / EXPIRES 09-30-2023	REVISION / DATE	FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4	

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

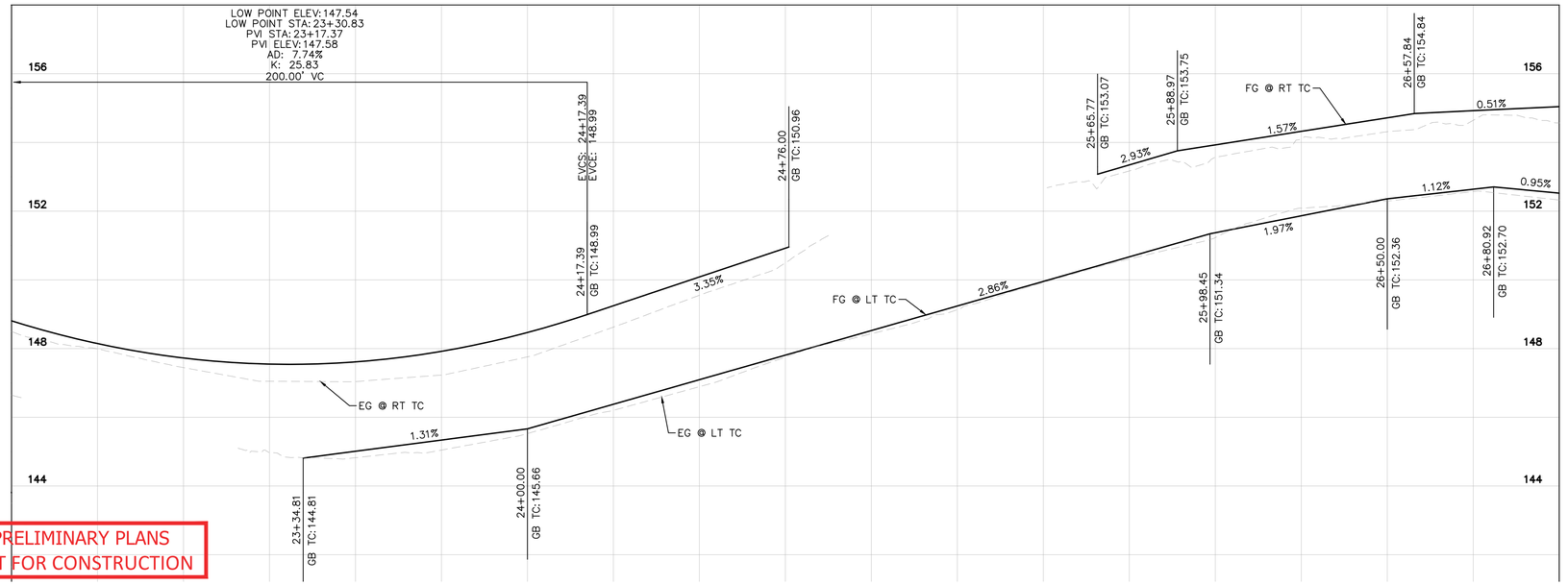
COUNTY OF SAN MATEO PUBLIC WORKS

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

PV-03
SHEET 7 OF 58



STATION	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00
LT TC ELEV/OFFSET			145.01 /33.00'LT	145.66 /33.00'LT	147.09 /33.00'LT	148.52 /33.00'LT	149.95 /33.00'LT	151.37 /33.00'LT	152.36 /33.00'LT	152.52 /33.00'LT
RT TC ELEV/OFFSET	148.81 /25.50'RT	147.73/25.50'RT	147.61 /25.50'RT	148.47/25.50'RT	150.08/25.50'RT			153.93/26.85'RT	154.72 /28.34'RT	155.04 /29.00'RT



PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

PROFILE
HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED:

DATE:

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE

NOTES

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CONSTRUCTION NOTES

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2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
18. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED DATE:		DESIGNED BY: CLH/ASP /HW	STA 22+50 TO STA 27+00 PLAN AND PROFILE
		CHECKED BY: JP	
JOHN PULLIAM		DRAWN BY: SD/KS	
KIMLEY-HORN			
R.C.E. # 68897 / EXPIRES 09-30-2023			
	REVISION / DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

PV-04
SHEET 8 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-01.DWG (8 PV-04)

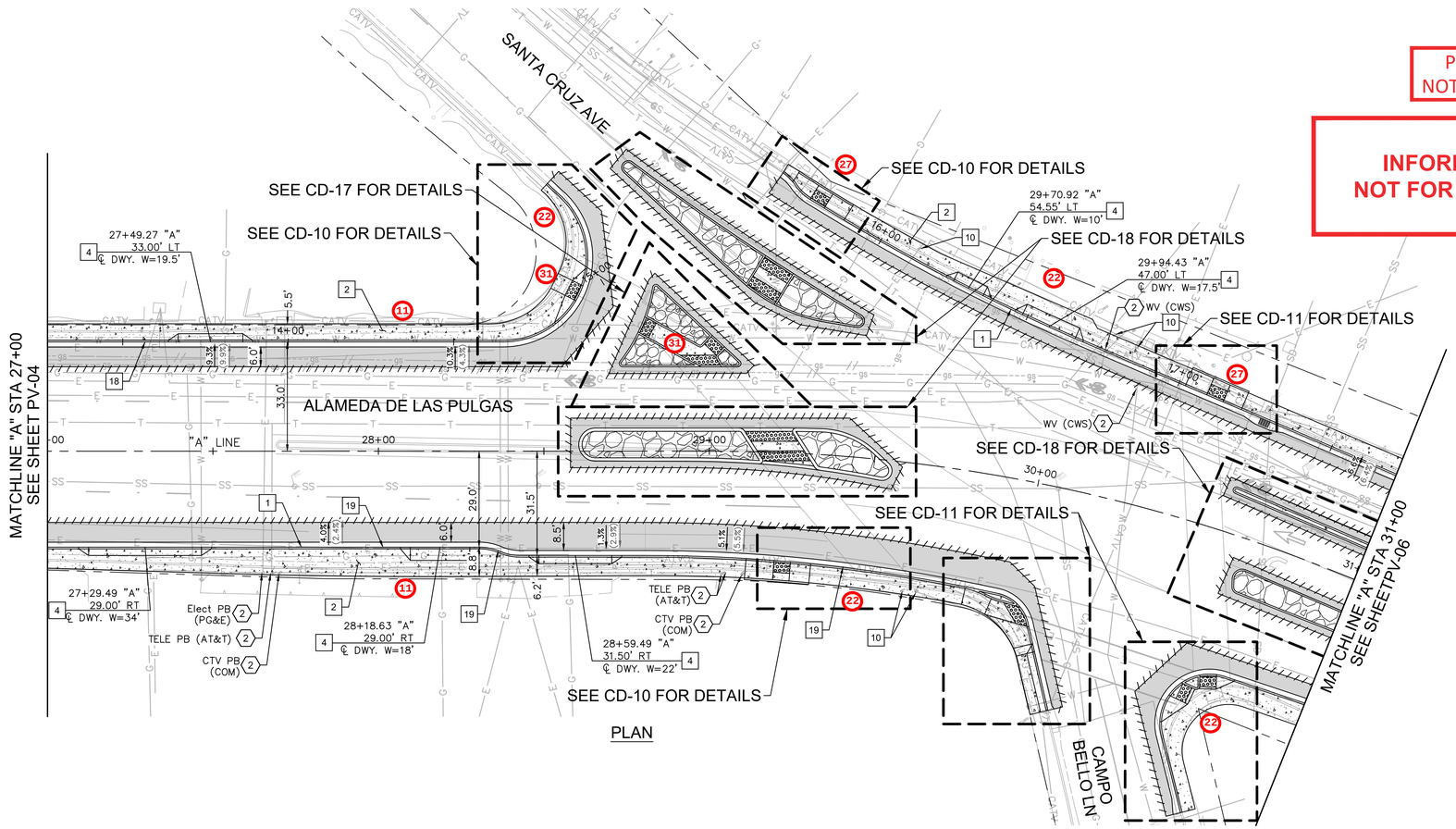
PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
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APPROVED:

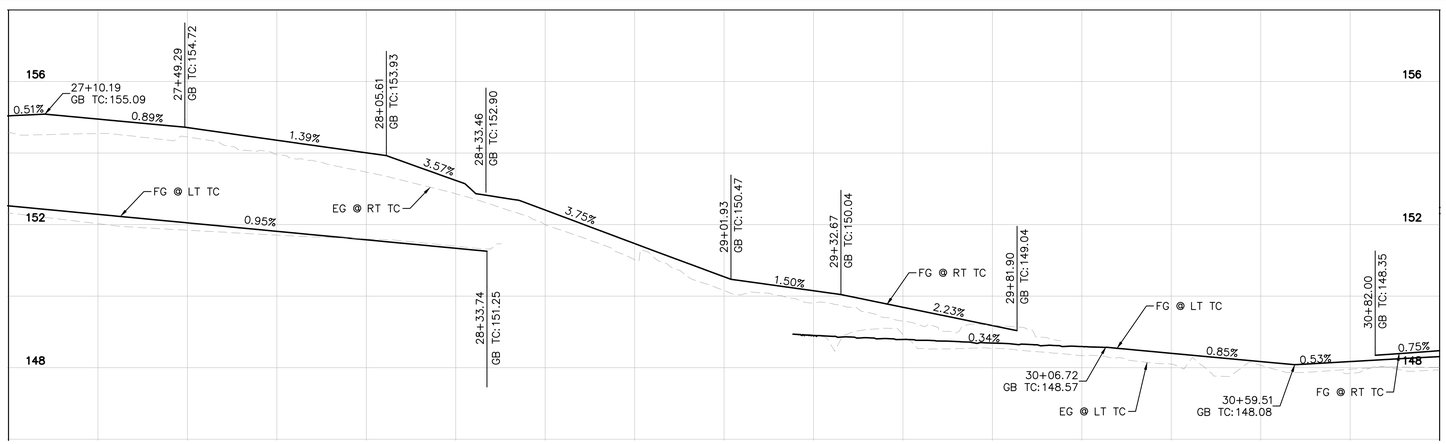
DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



PLAN

STATION	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00
LT TC ELEV/OFFSET	152.52 /33.00'LT	152.05/33.00'LT	151.57/33.00'LT			148.79 /63.61'LT	148.59/45.52'LT	148.17/36.90'LT	148.31 /33.79'LT
RT TC ELEV/OFFSET	155.04 /29.00'RT	154.71/29.00'RT	154.01 /29.00'RT	152.41/31.50'RT	150.54/31.88'RT	149.69 /33.71'RT			148.48/40.26'RT



PROFILE

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
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- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
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- (XX%) EXISTING GRADE

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CONSTRUCTION NOTES

- [1] 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [2] SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [4] DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- [10] TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- [18] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.
- [19] SIDEWALK UNDERDRAIN PER COUNTY OF SAN MATEO DRAWING D-6.

DEMOLITION & UTILITY NOTES

- (2) ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-01.DWG (9 PV-05)

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN C. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

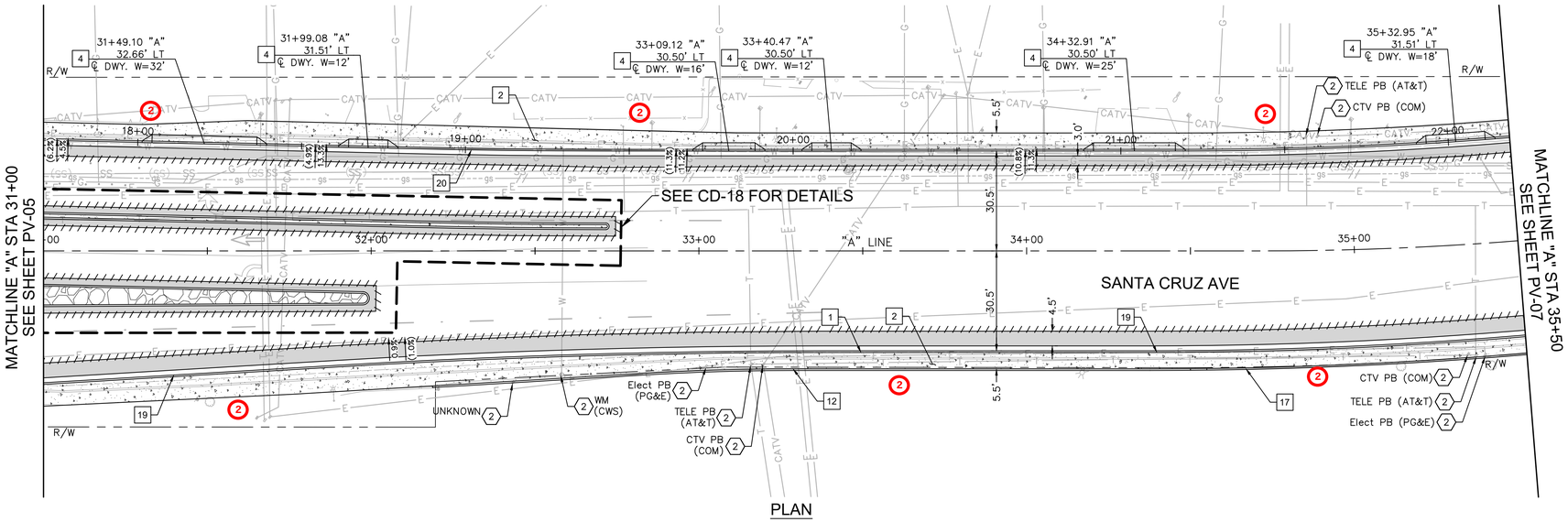
COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	STA 27+00 TO STA 31+00
		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

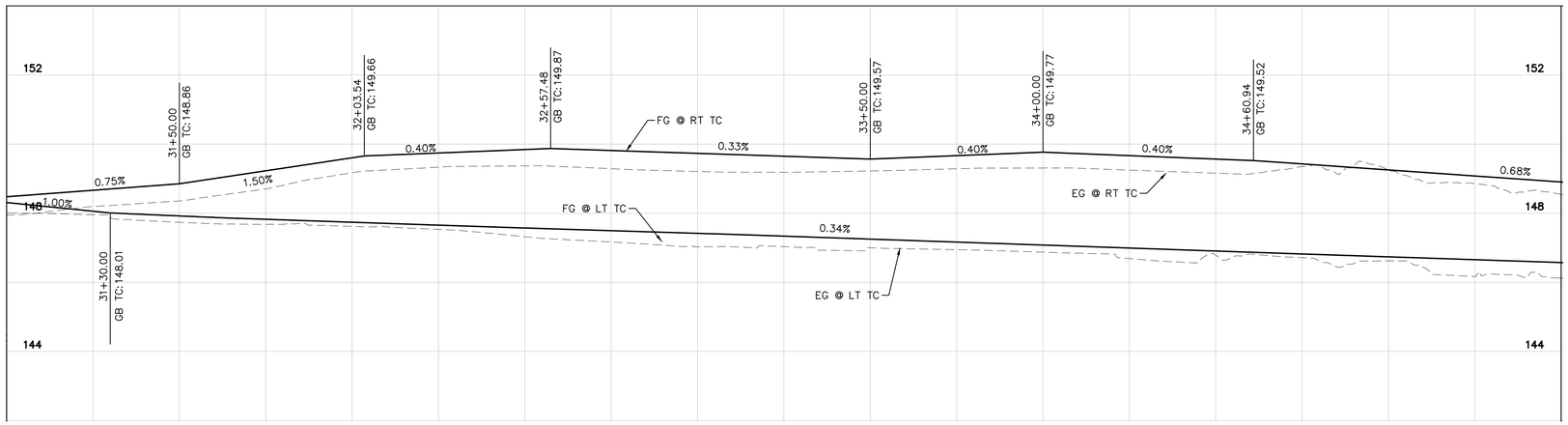
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

PV-05
SHEET 9 OF 58



PLAN

STATION	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50
LT TC ELEV/OFFSET	148.31 /33.79'LT	147.92 /32.64'LT	147.74 /31.49'LT	147.57 /30.59'LT	147.42 /30.50'LT	147.25/30.50'LT	147.08 /30.50'LT	146.91/30.50'LT	146.74 /31.19'LT	146.57/31.58'LT
RT TC ELEV/OFFSET	148.48/40.26'RT	148.85/37.29'RT	149.60/34.34'RT	149.84/32.06'RT	149.73/30.80'RT	149.57/30.50'RT	149.77/30.50'RT	149.57/30.44'RT	149.25/29.44'RT	148.90/28.88'RT



PROFILE

HORZ SCALE: 1" = 20'
VERT SCALE: 1" = 2'

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

COUNTY OF SAN MATEO
PUBLIC WORKS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% — PROPOSED GRADE
- (XX%) — EXISTING GRADE

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS.
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CONSTRUCTION NOTES

- [1] 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [2] SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [4] DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- [12] MAX 2.5' RETAINING CURB.
- [17] 12" RETAINING CURB.
- [19] SIDEWALK UNDERDRAIN PER COUNTY OF SAN MATEO DRAWING D-6.
- [20] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".

DEMOLITION & UTILITY NOTES

- ⟨2⟩ ADJUST TO GRADE.

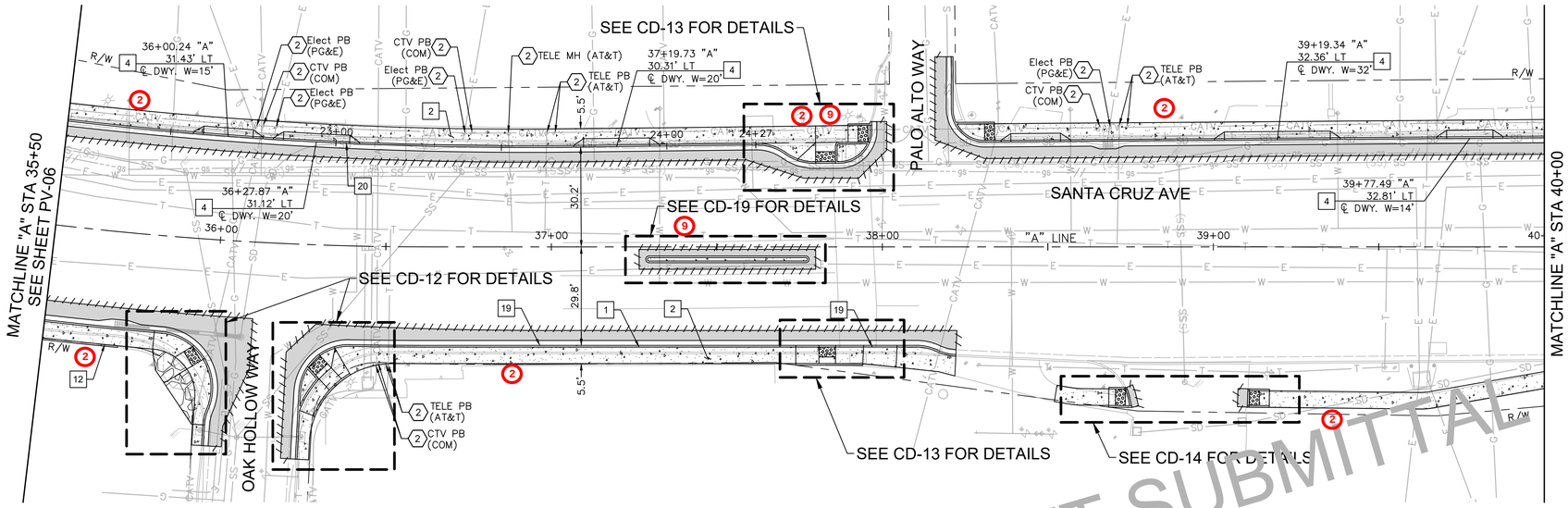
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		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

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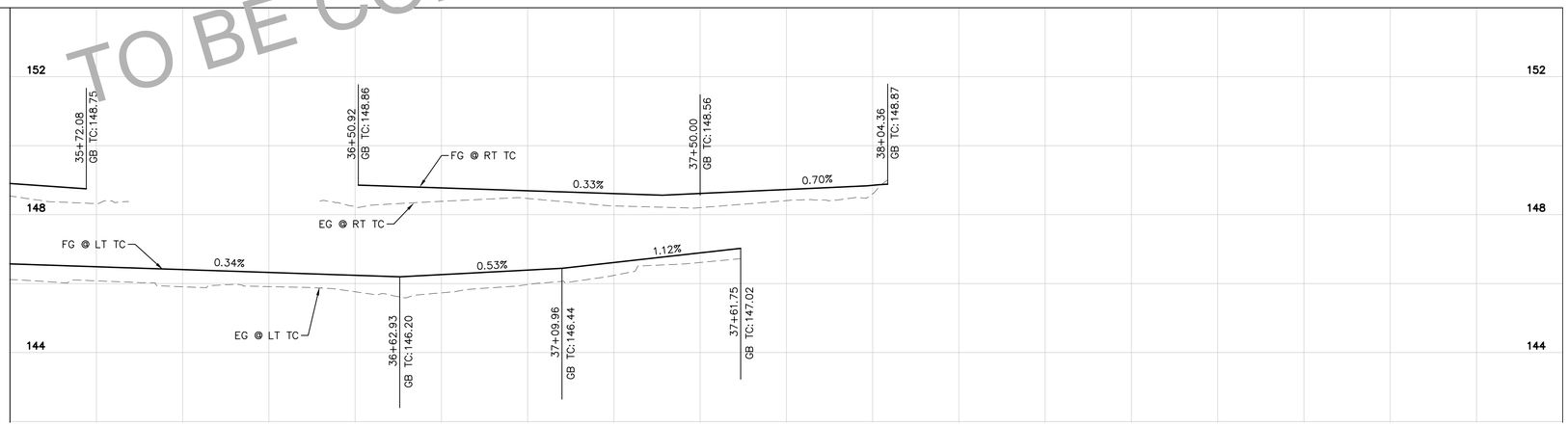
PV-06
SHEET 10 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-06.DWG (10 PV-06)



PLAN

STATION	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00
LT TC ELEV/OFFSET	146.57/31.58'LT	146.41/31.41'LT	146.24/30.70'LT	[illegible]	146.89/30.67'LT					
RT TC ELEV/OFFSET	148.90/28.88'RT			148.69/30.25'RT	148.61/30.25'RT	148.85/30.95'RT				



PROFILE

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VERT SCALE: 1" = 2'

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INFORMATION ONLY
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60% DESIGN
FOR REVIEW ONLY
MARCH 2022

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REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
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DEMOLITION & UTILITY NOTES

- (2) ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

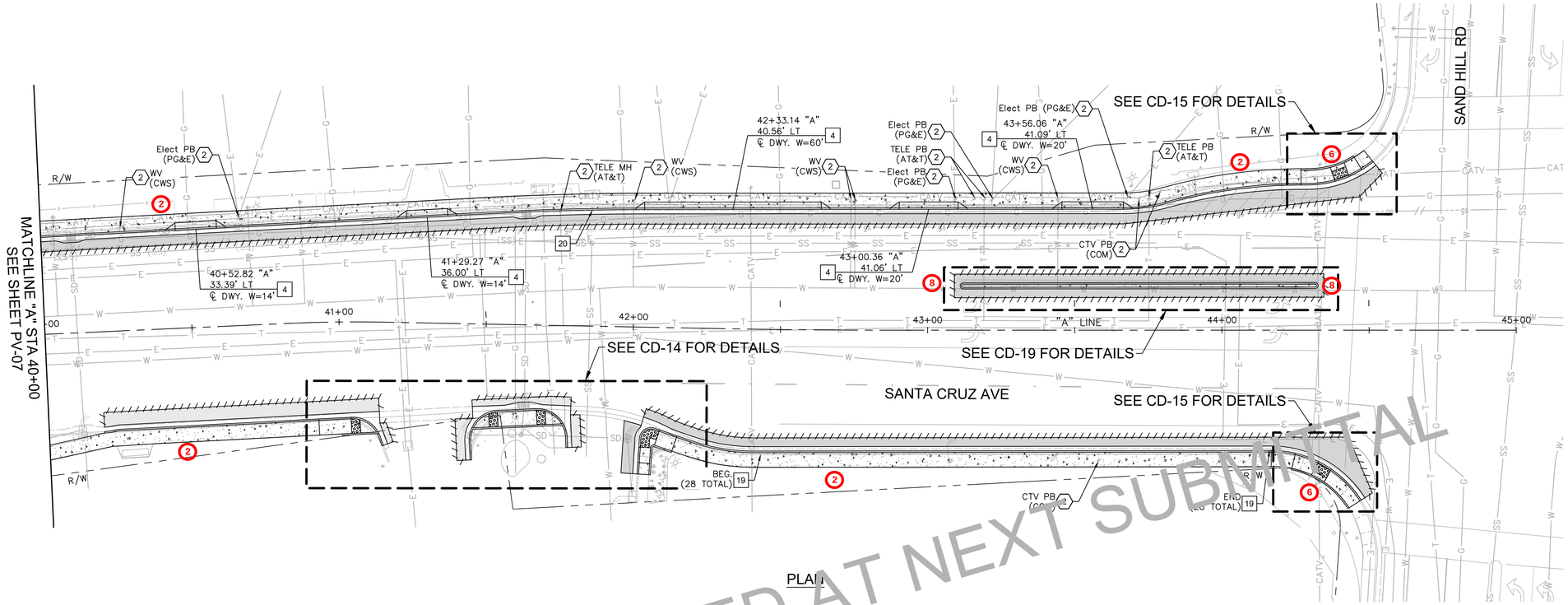
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		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE:	AS SHOWN
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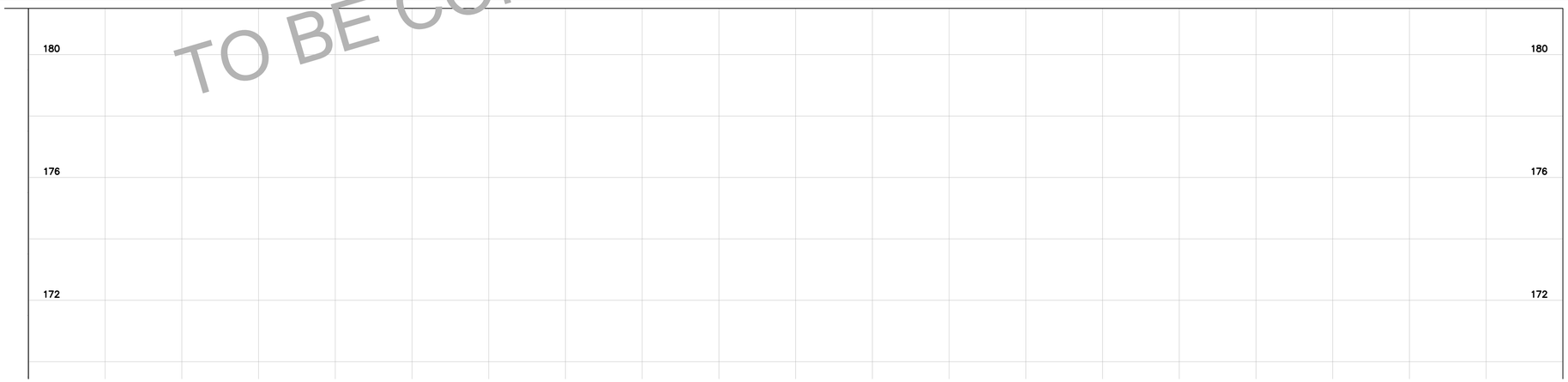
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

PV-07
SHEET 11 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-06.DWG (11 PV-07)



STATION	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00
LT TC ELEV/OFFSET											
RT TC ELEV/OFFSET											



PROFILE

TO BE COMPLETED AT NEXT SUBMITTAL

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

**INFORMATION ONLY
NOT FOR CONSTRUCTION**

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
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CONSTRUCTION NOTES

4 DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.

19 SIDEWALK UNDERDRAIN PER COUNTY OF SAN MATEO DRAWING D-6.

20 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".

DEMOLITION & UTILITY NOTES

2 ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

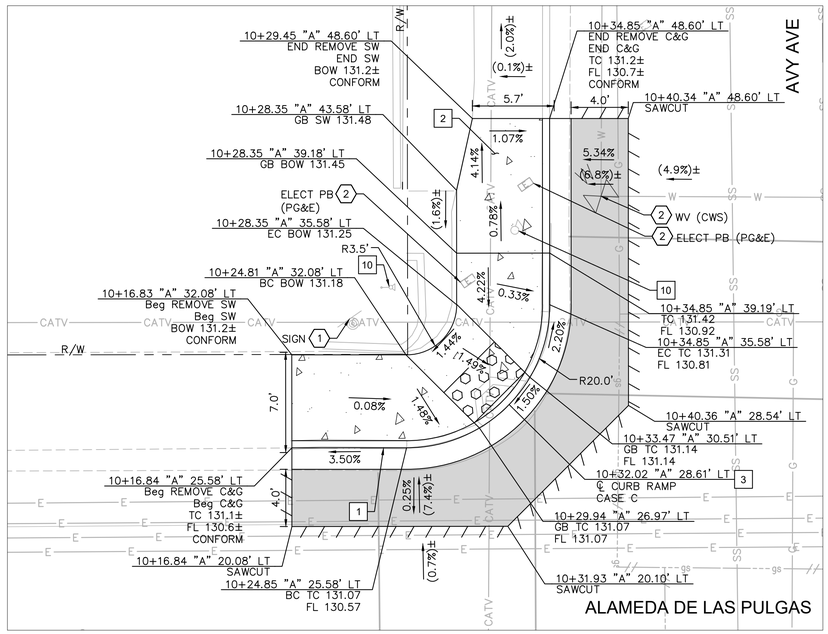
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		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
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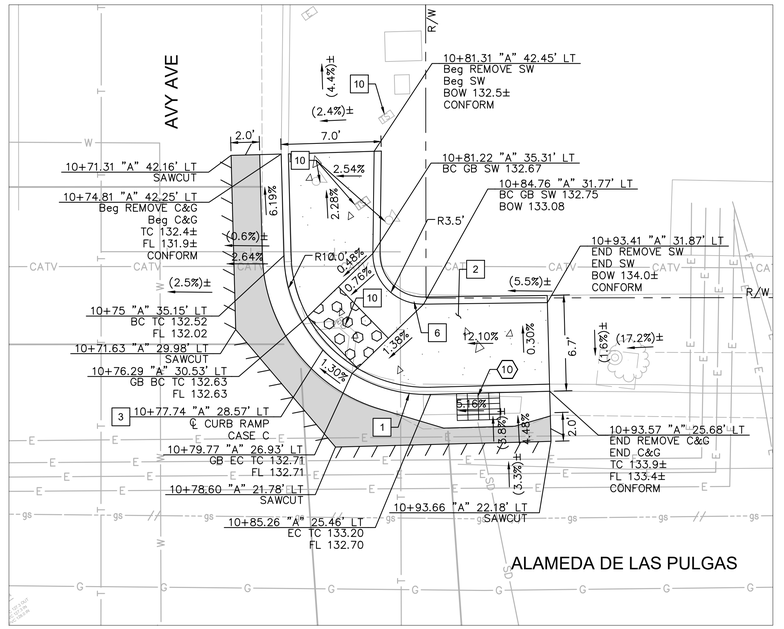
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

PV-08
SHEET 12 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PV-06.DWG (12 PV-08)



AVY AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: RAMP CONSTRUCTION DETAILS



AVY AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: RAMP CONSTRUCTION DETAILS

AVY AVE AT ALAMEDA DE LAS PULGAS
SW CORNER: RAMP CONSTRUCTION DETAILS

AVY AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE:

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
10. REMOVE EXISTING INLET. SEE DR-SHEETS.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-01.DWG (CD-01)

APPROVED DATE:	
JOHN PULLIAM	
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R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA

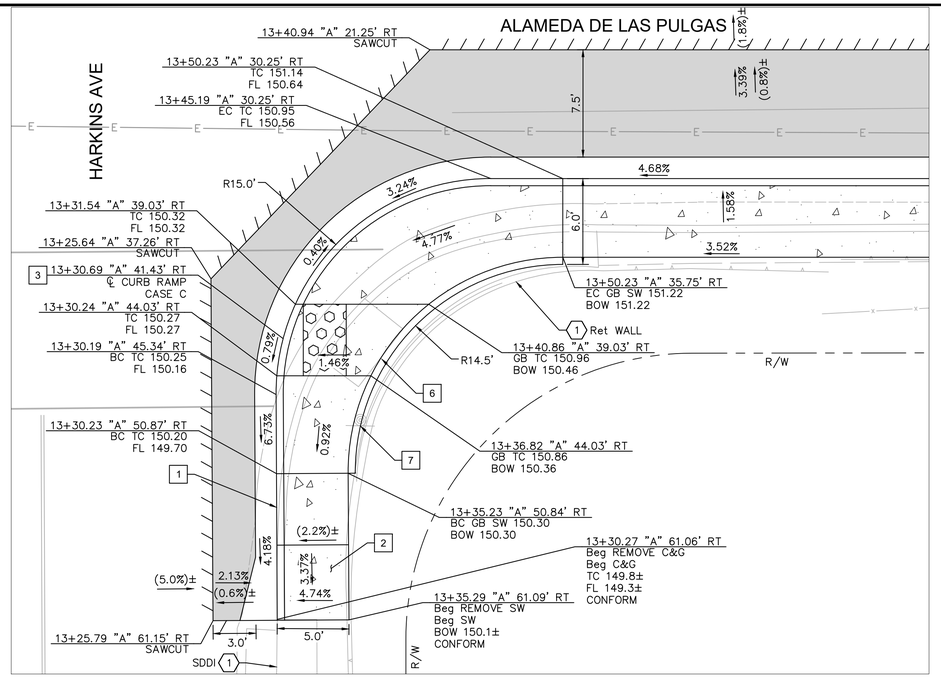
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
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		CHECKED BY: JP	CONSTRUCTION DETAILS
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		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

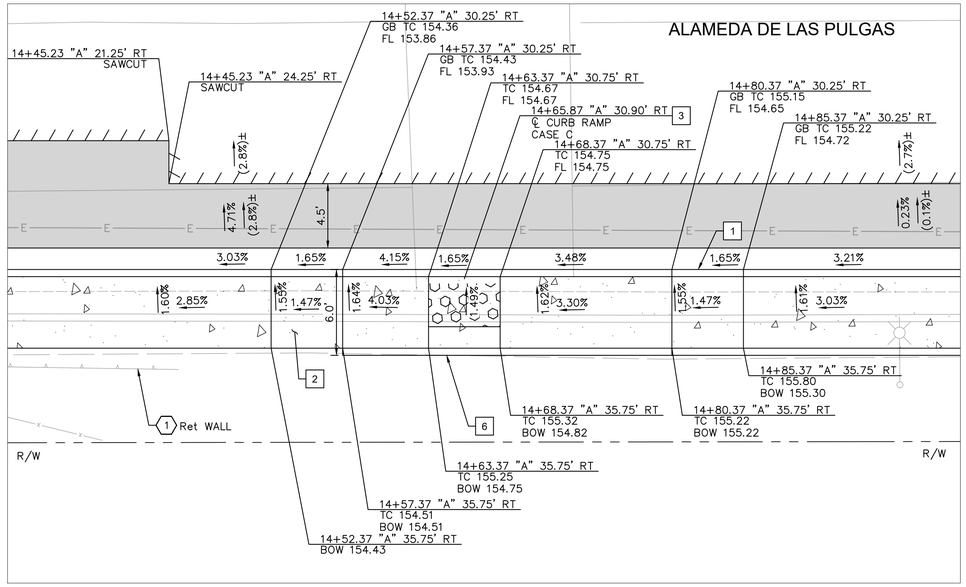
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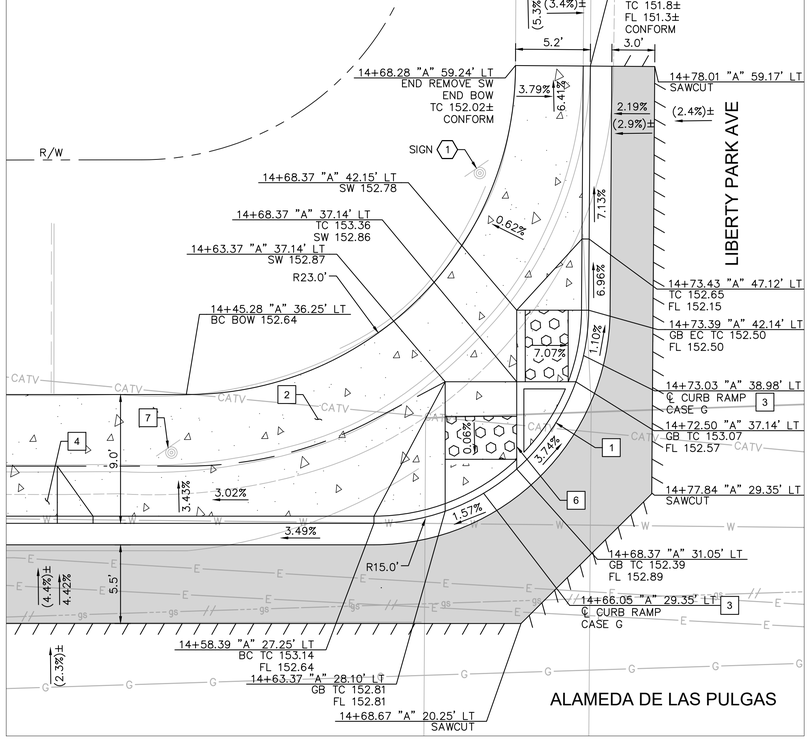
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SHEET 13 OF 58



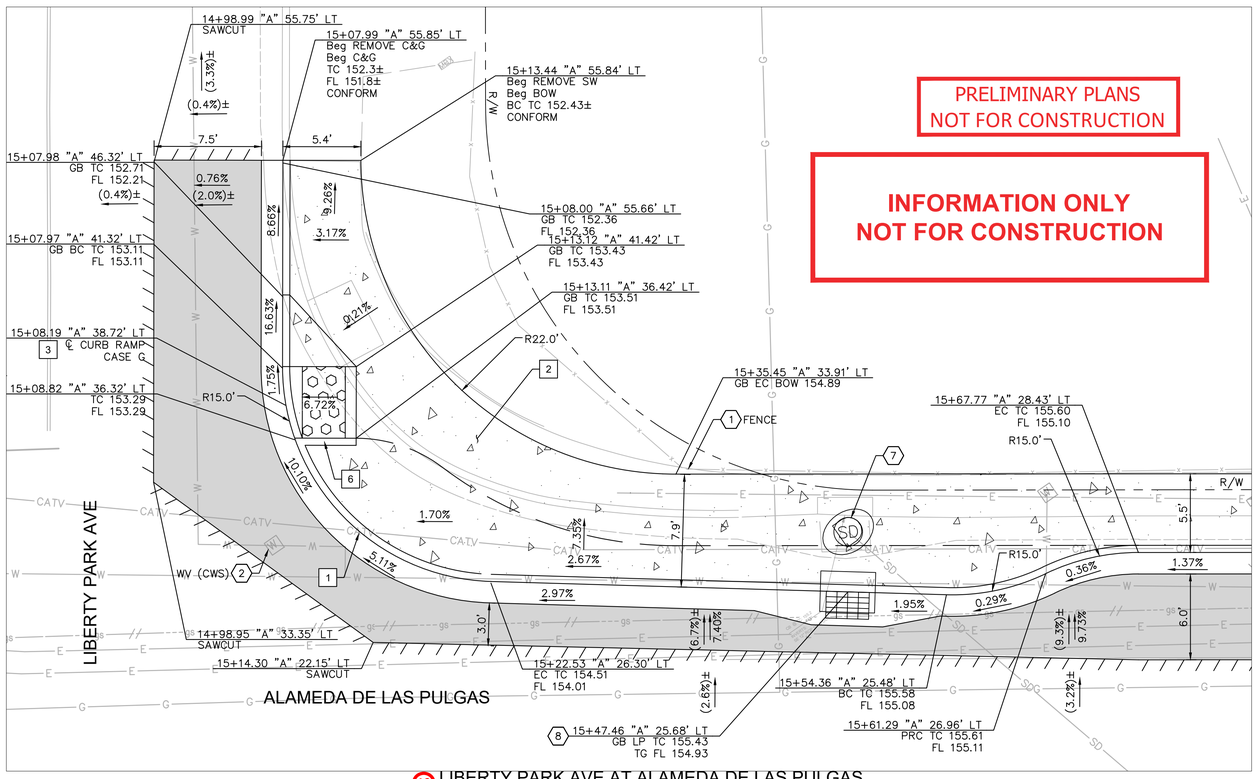
19 LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
SW CORNER: RAMP CONSTRUCTION DETAILS



19 LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS



19 LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
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19 LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
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PRELIMINARY PLANS
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INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
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APPROVED:

DATE: _____

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R. C. E. # 47882 / EXPIRES 12-31-2023

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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
7. CONVERT EXISTING INLET TO STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B-10. SEE DR-SHEETS.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-01.DWG (CD-02)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

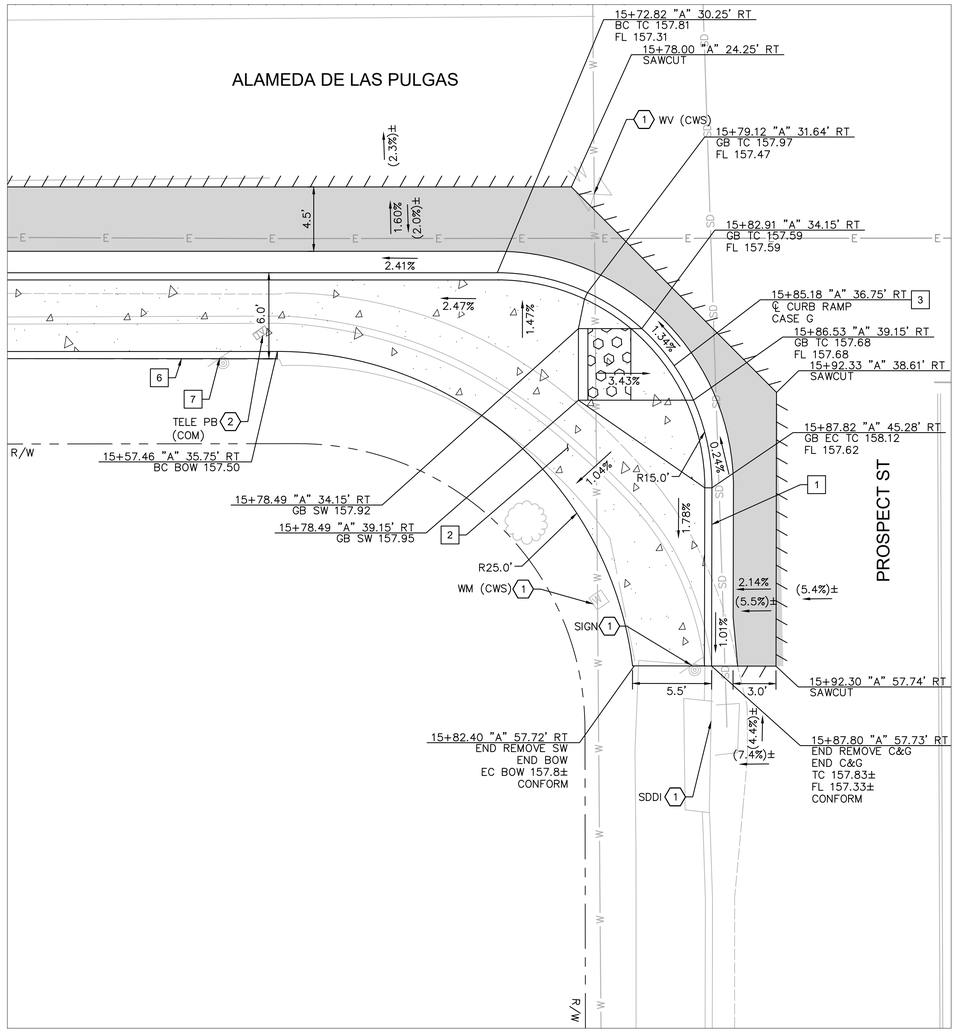
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	HARKINS AVE & LIBERTY PARK AVE
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

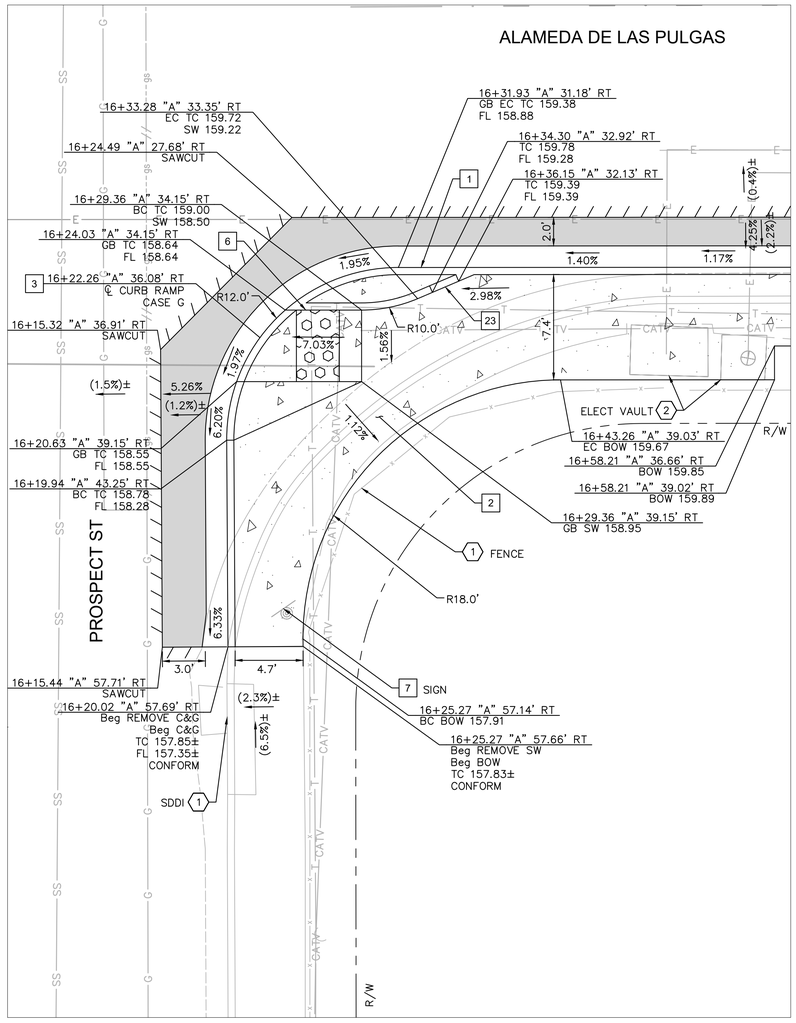
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

CD-02
SHEET 14 OF 58



18 PROSPECT ST AT ALAMEDA DE LAS PULGAS
SW CORNER: RAMP CONSTRUCTION DETAILS



18 PROSPECT ST AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

GRAPHIC SCALE IN FEET
0 2.5 5 10

NORTH

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED:

DATE:

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JPV\08 CADD\PLANSHEETS\CD-01.DWG (CD-03)

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

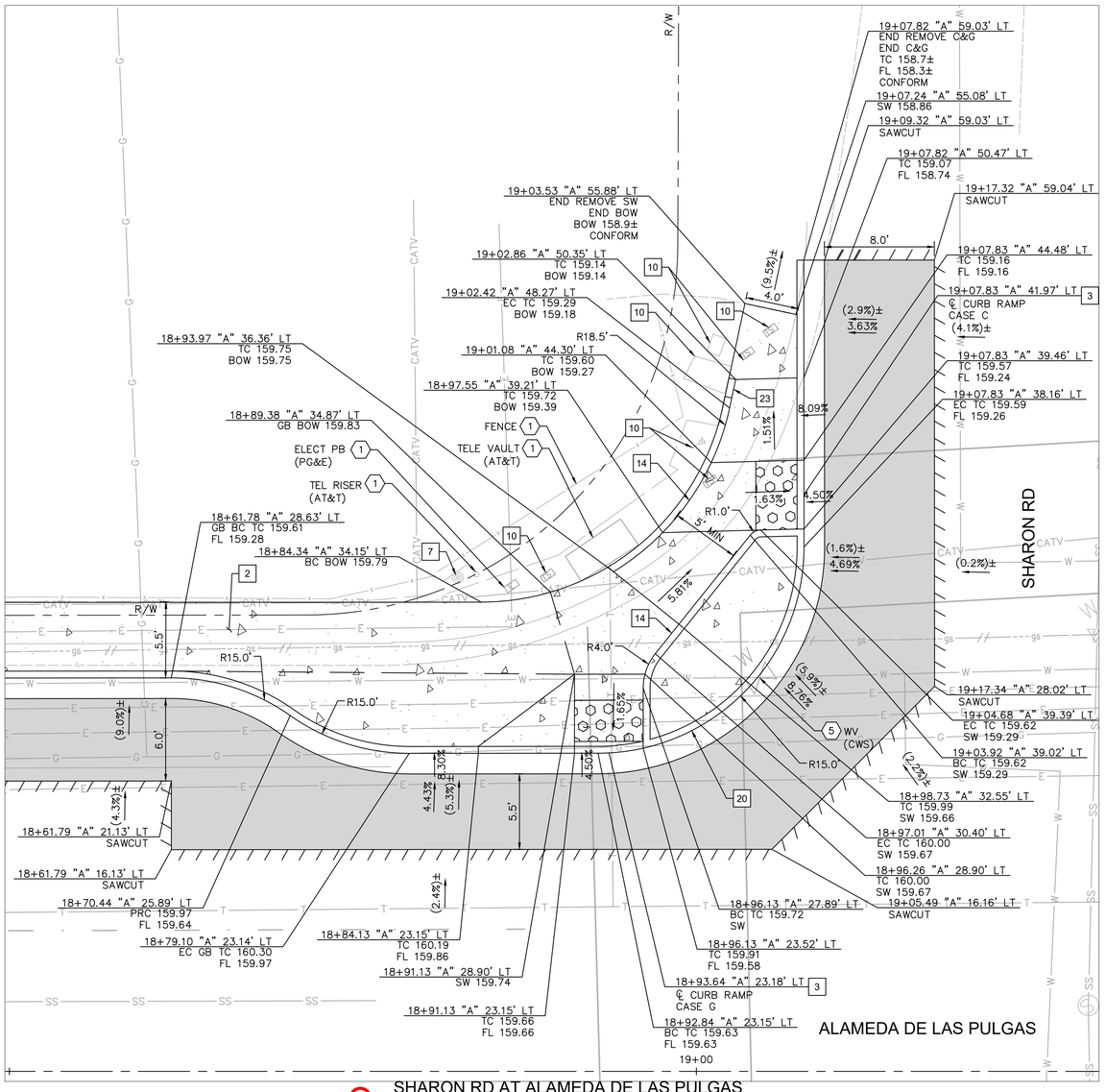
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	PROSPECT ST & SHARON RD
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-03
SHEET 15 OF 58



SHARON RD AT ALAMEDA DE LAS PULGAS
NW CORNER: RAMP CONSTRUCTION DETAILS

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
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5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A MIN 0.5' RADIUS UNLESS OTHERWISE SPECIFIED ON THE PLANS.

CONSTRUCTION NOTES

- [2] SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [3] CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
- [7] SEE SS SHEETS FOR DETAILS.
- [10] TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- [14] 4" RETAINING CURB.
- [20] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
- [23] 2' CURB TERMINATION PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

- (1) EXISTING TO REMAIN.
- (5) RELOCATE.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-04)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SHARON RD
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

CD-04
SHEET 16 OF 58

APPROVED:

DATE: _____

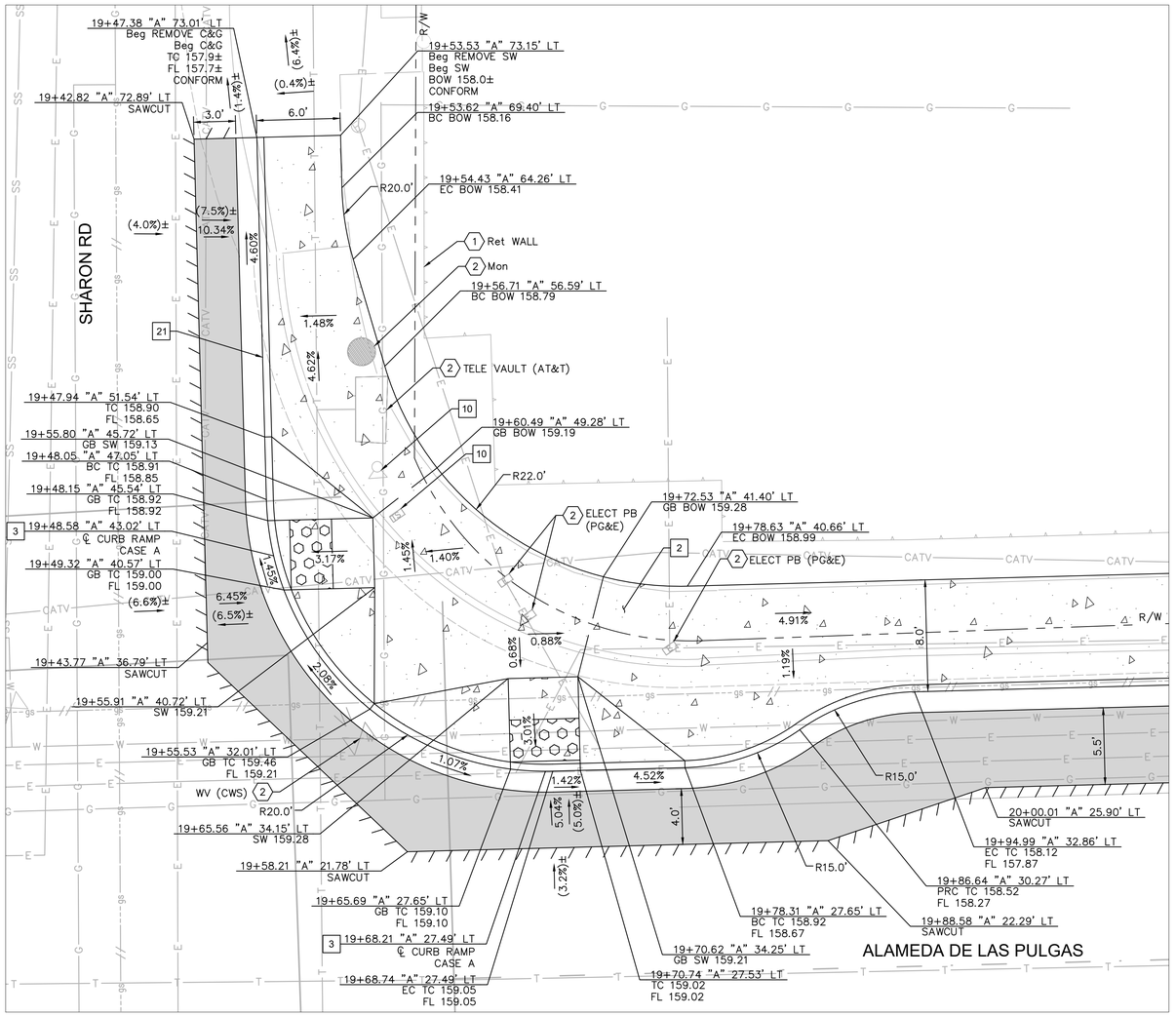
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
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10. ALL CURB CORNERS TO BE ROUNDED USING A MIN 0.5' RADIUS UNLESS OTHERWISE SPECIFIED ON THE PLANS.



47 SHARON RD AT ALAMEDA DE LAS PULGAS
NE CORNER: RAMP CONSTRUCTION DETAILS

CONSTRUCTION NOTES

2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.

3 CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.

10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.

21 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".

DEMOLITION & UTILITY NOTES

1 EXISTING TO REMAIN.

2 ADJUST TO GRADE.

4 PROTECT IN PLACE.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

**INFORMATION ONLY
NOT FOR CONSTRUCTION**

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	CHECKED BY: JP	DRAWN BY: SD/KS
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		

SHARON RD
CONSTRUCTION DETAILS

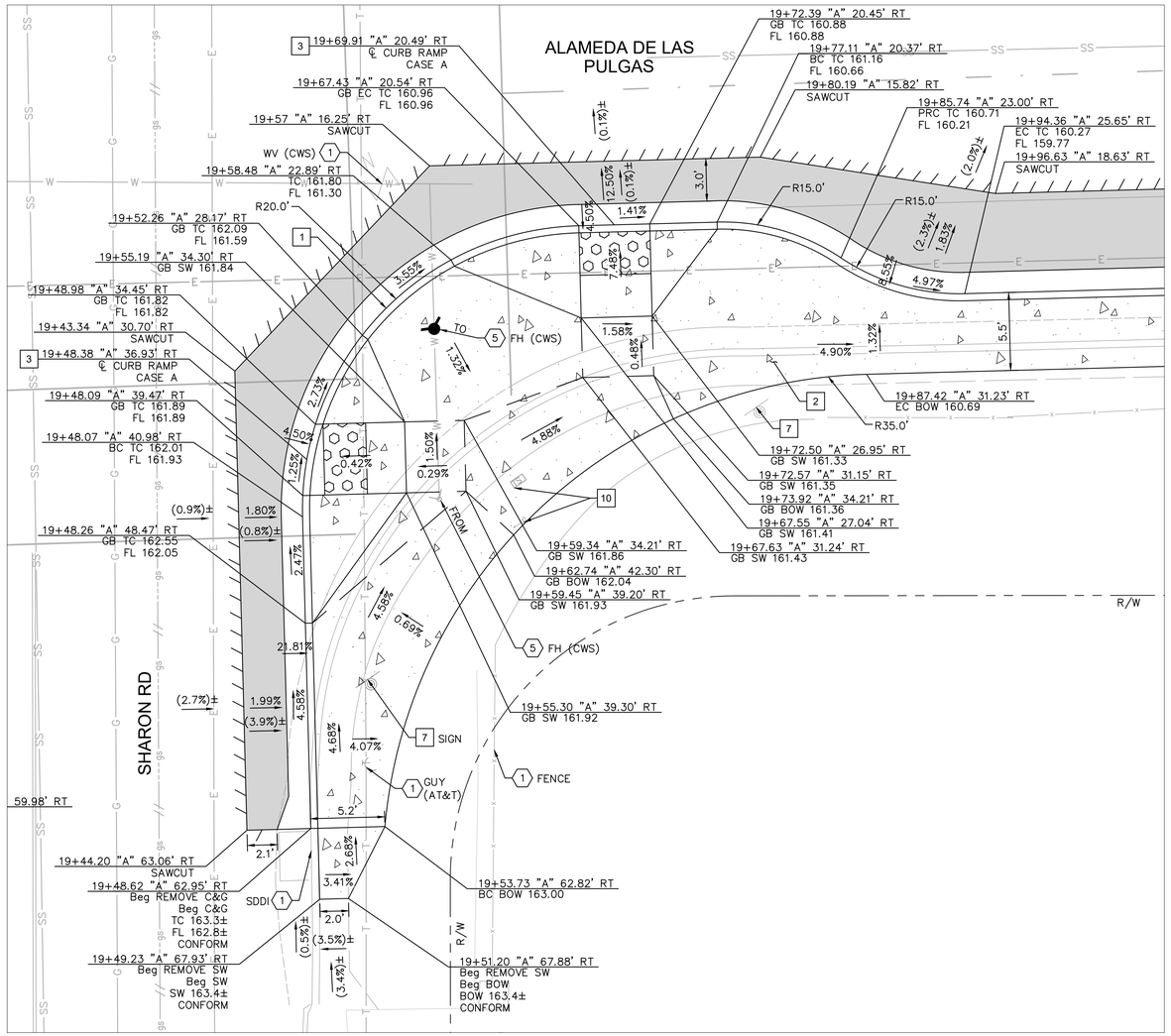
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-05
SHEET 17 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JPV\08 CADD\PLANSHEETS\CD-04.DWG (CD-05)



17 SHARON RD AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY–HORN	
R.C.E. # 68897 / EXPIRES 09–30–2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D–3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D–3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D–4. CASE NOTED PER PLANS.
7. SEE SS SHEETS FOR DETAILS.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
5. RELOCATE.

FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-06)

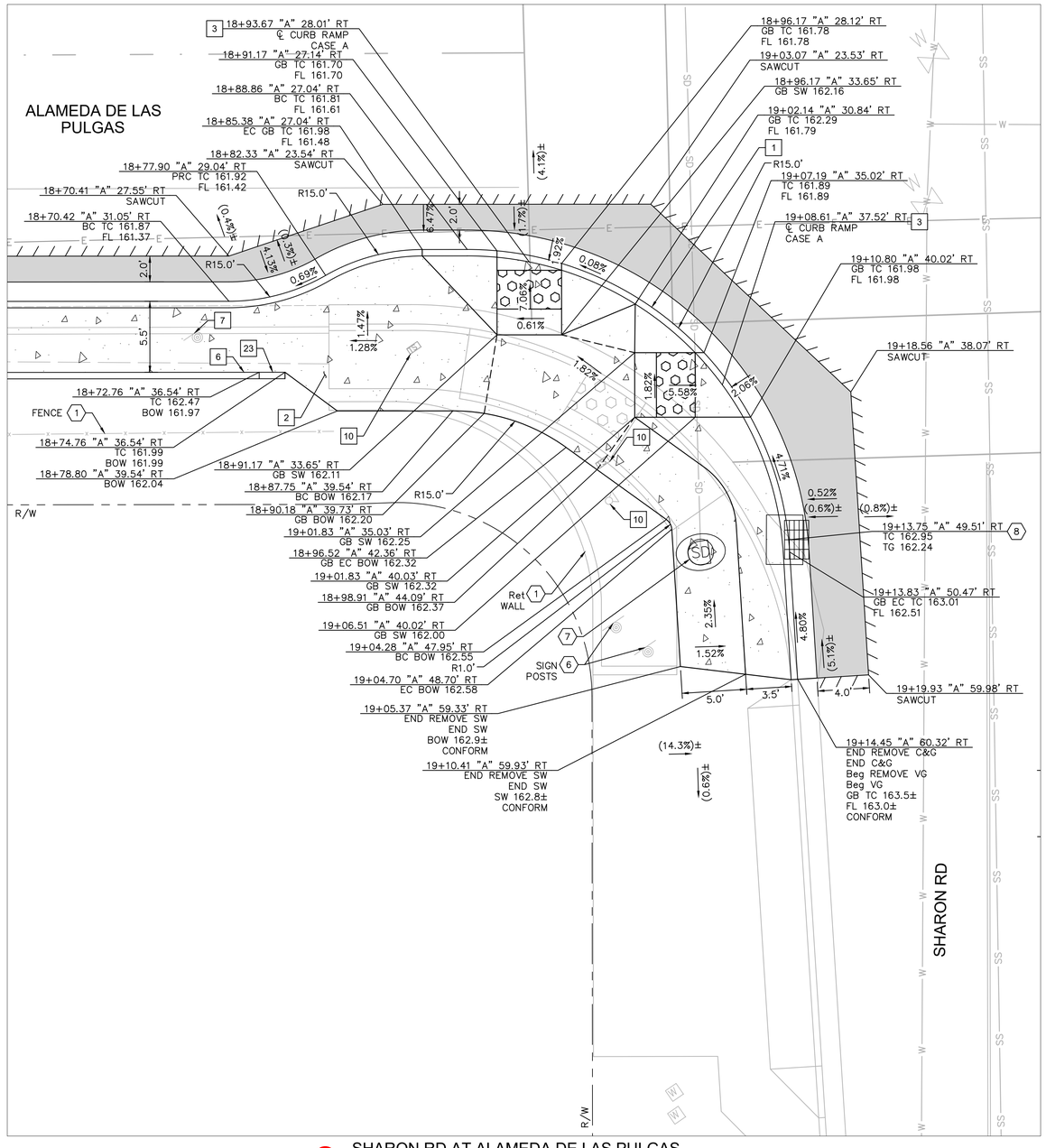
COUNTY OF SAN MATEO PUBLIC WORKS

		DESIGNED BY: CLH/ASP /HW	SHARON RD
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-06
SHEET 18 OF 58



17 SHARON RD AT ALAMEDA DE LAS PULGAS
SW CORNER: RAMP CONSTRUCTION DETAILS

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

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CONSTRUCTION NOTES

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6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD–21.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
6. REMOVE AND SALVAGE.
7. CONVERT EXISTING INLET TO STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B–10. SEE DR–SHEETS.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B–1. SEE DR–SHEETS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

JOHN PULLIAM
KIMLEY–HORN
R.C.E. # 68897 / EXPIRES 09–30–2023

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	SHARON RD CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

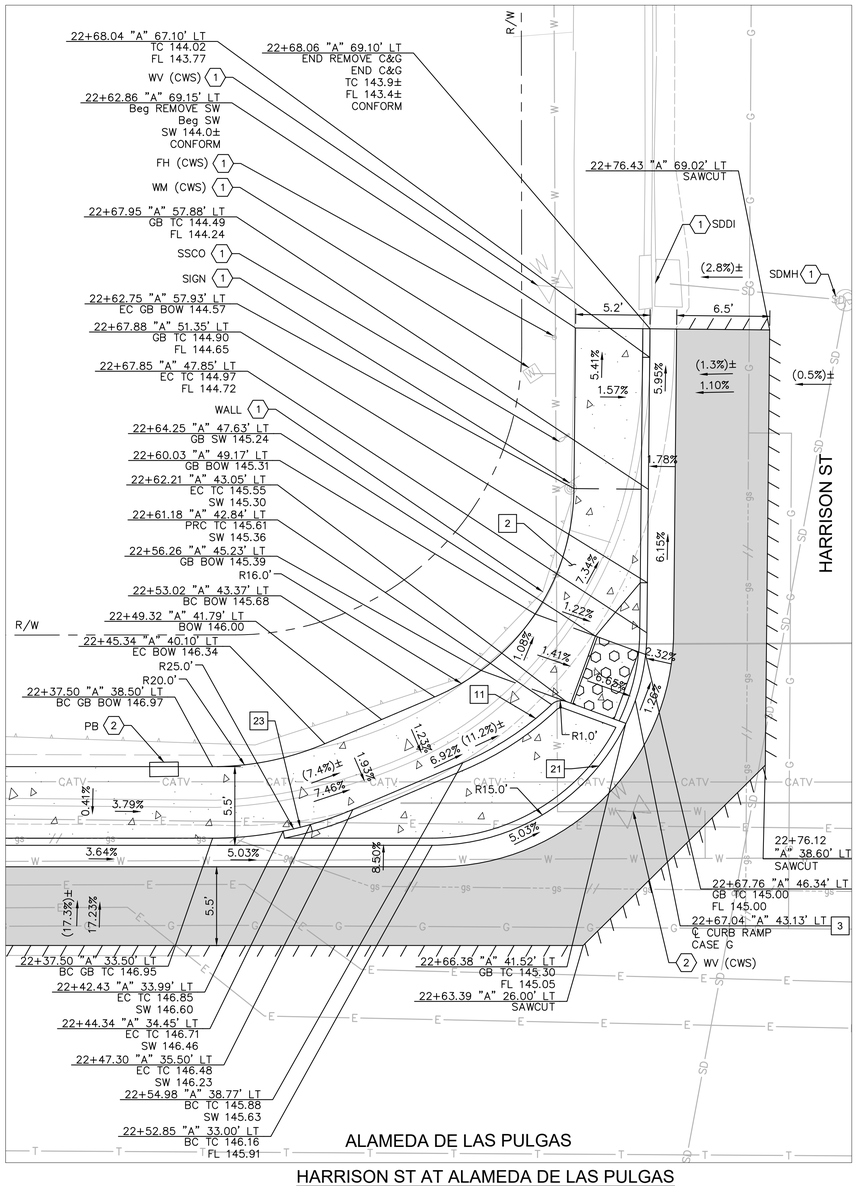
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-07
SHEET 19 OF 58

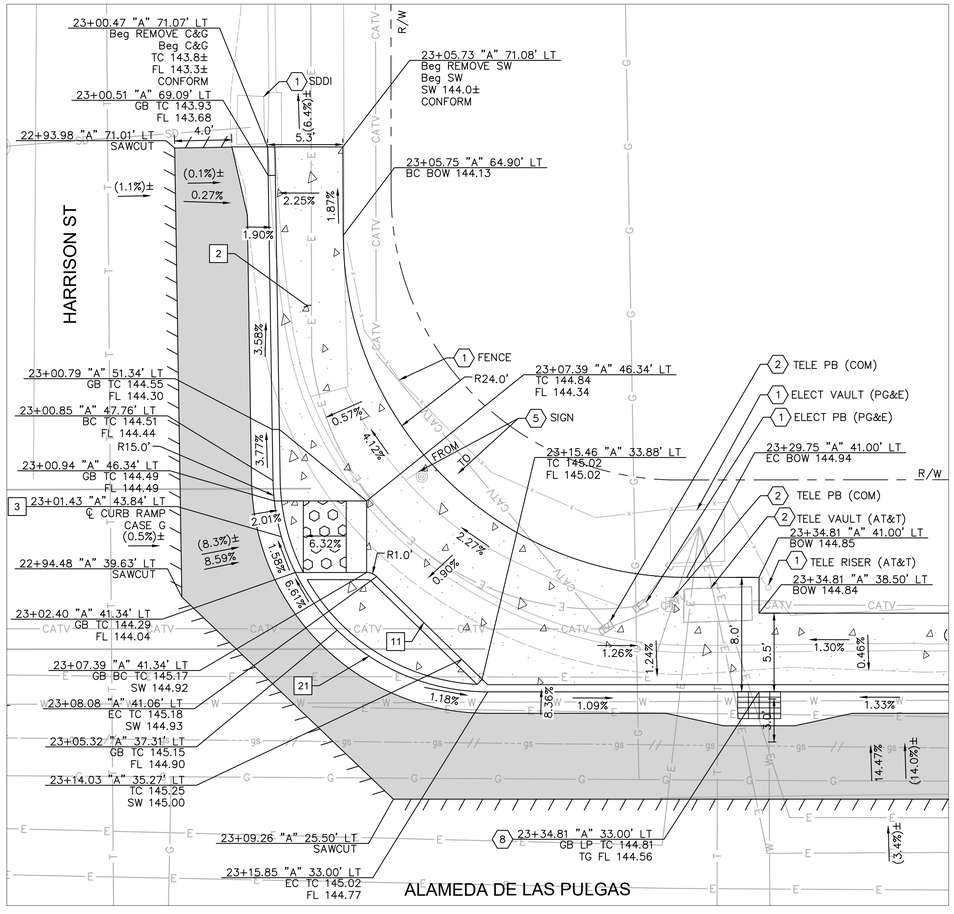
FILENAME: K:\BAY_RDWY\097888107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-07)

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



HARRISON ST AT ALAMEDA DE LAS PULGAS
NW CORNER: RAMP CONSTRUCTION DETAILS



HARRISON ST AT ALAMEDA DE LAS PULGAS
NE CORNER: RAMP CONSTRUCTION DETAILS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A MIN 0.5' RADIUS UNLESS OTHERWISE SPECIFIED ON THE PLANS.

CONSTRUCTION NOTES

- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 3 CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
- 11 3" RETAINING CURB.
- 21 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
- 23 2' CURB TERMINATION PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

- 1 EXISTING TO REMAIN.
- 2 ADJUST TO GRADE.
- 5 RELOCATE.
- 8 TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-08)

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	HARRISON ST & CLAYTON DR
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

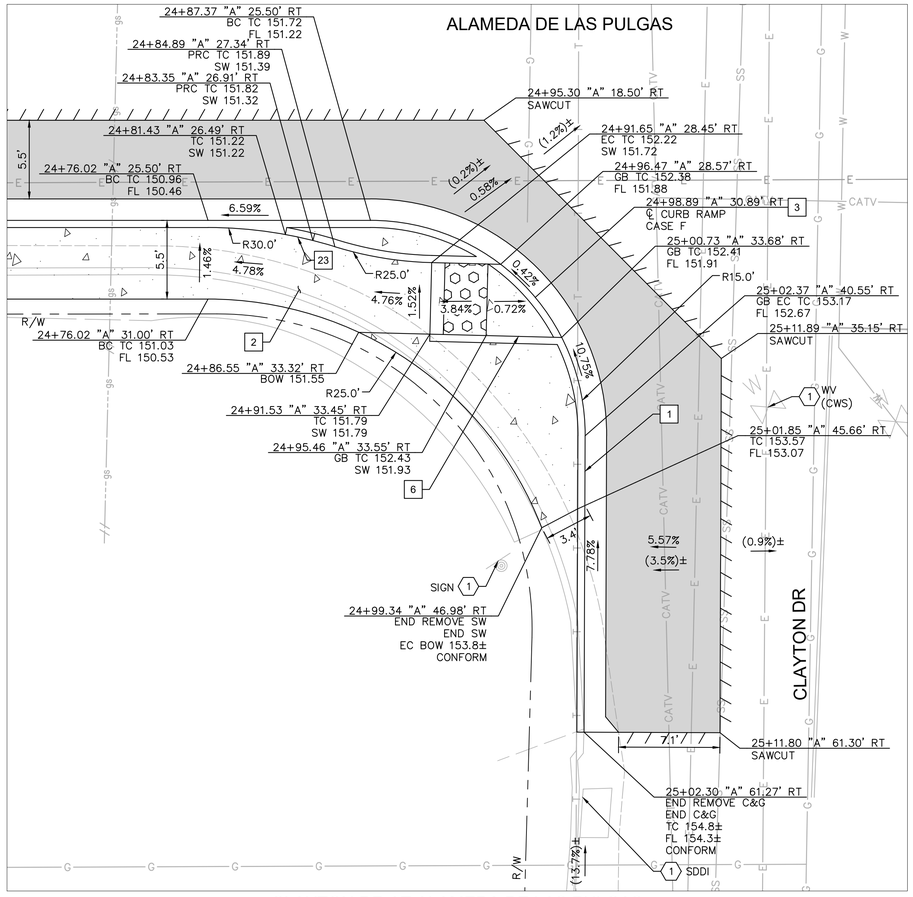
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

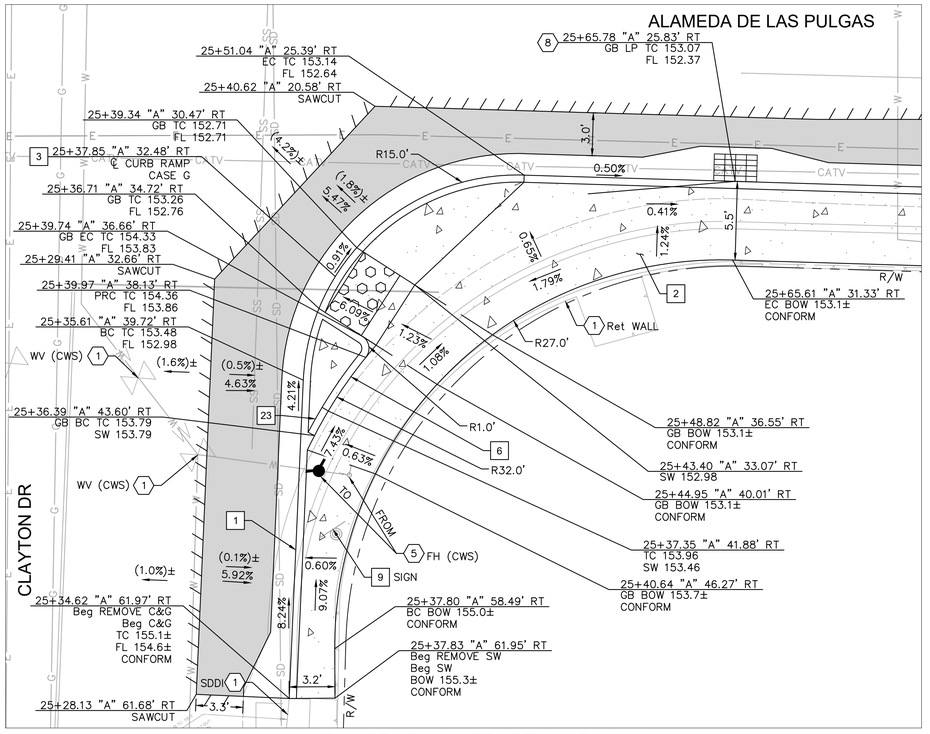
CD-08
SHEET 20 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



15 CLAYTON DR AT ALAMEDA DE LAS PULGAS
SW CORNER: RAMP CONSTRUCTION DETAILS



15 CLAYTON DR AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

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- PCC SIDEWALK
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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
9. RESET.
11. 3" RETAINING CURB.
21. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
5. RELOCATE.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-09)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

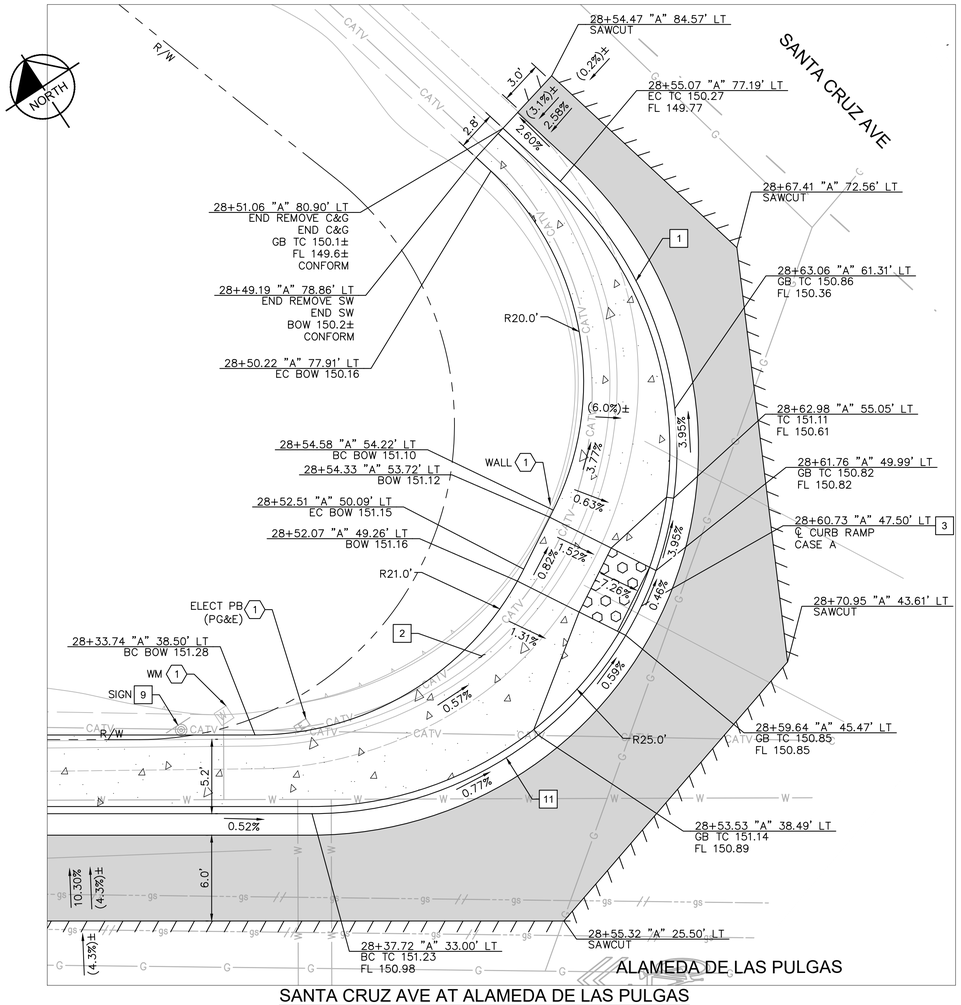
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	HARRISON ST & CLAYTON DR
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

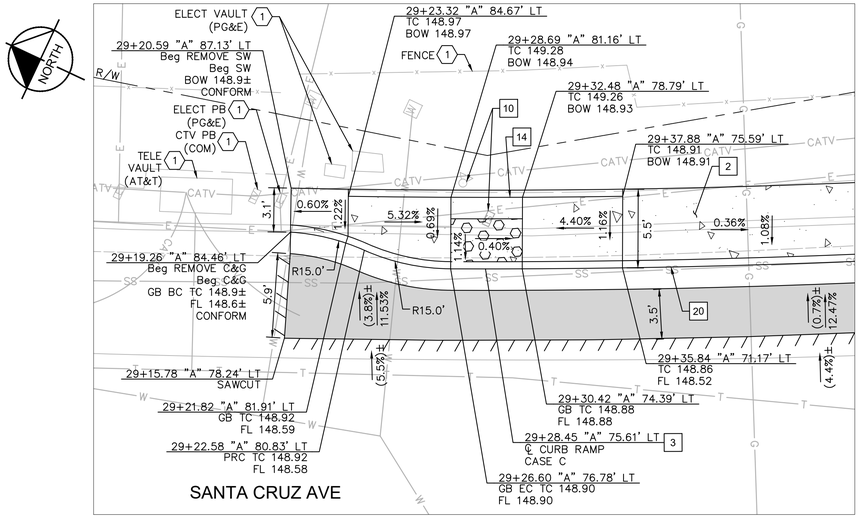
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FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

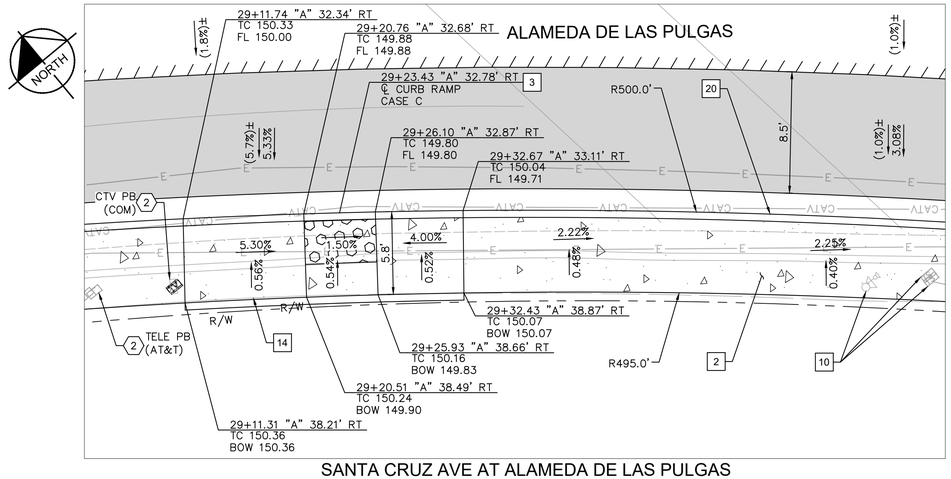
CD-09
SHEET 21 OF 58



SANTA CRUZ AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: RAMP CONSTRUCTION DETAILS



27 SANTA CRUZ AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: RAMP CONSTRUCTION DETAILS



SANTA CRUZ AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

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CONSTRUCTION NOTES

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2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
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9. RESET.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
11. 3" RETAINING CURB.
14. 4" RETAINING CURB.
20. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
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MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	SANTA CRUZ AVE & ALAMEDA DE LAS PULGAS
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

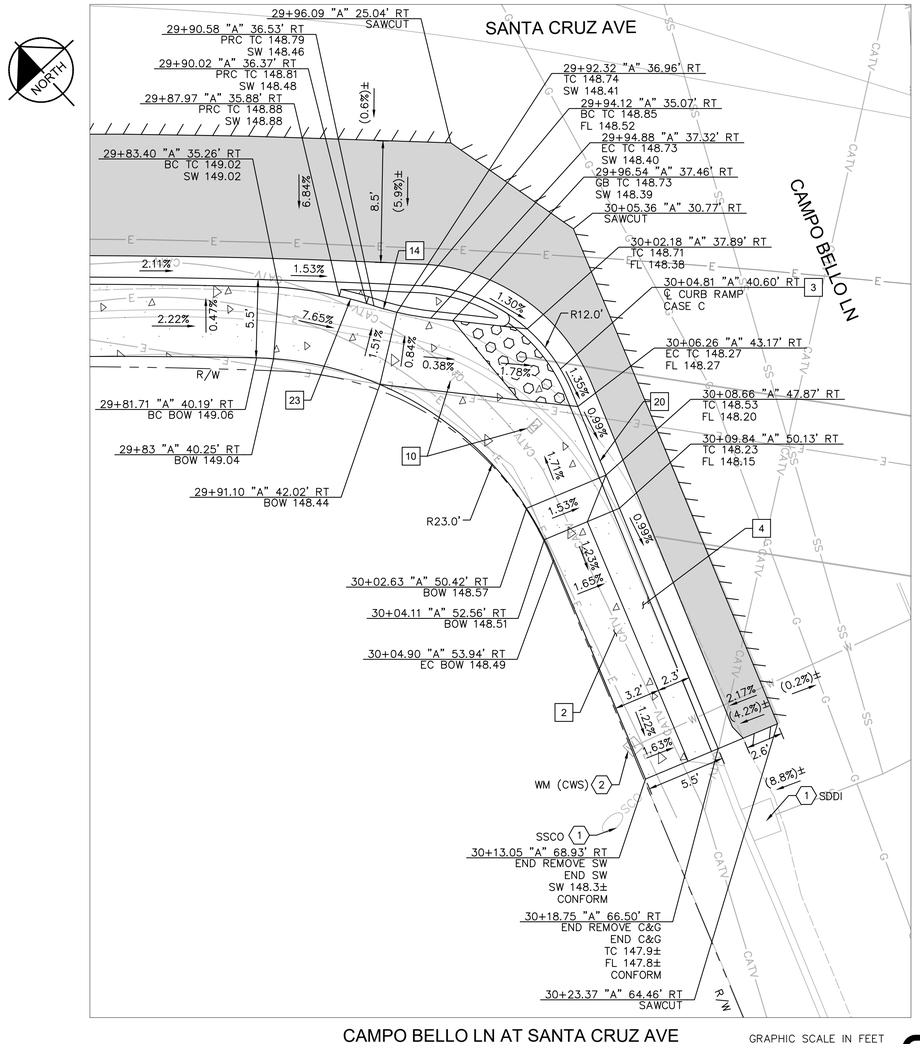
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-10
SHEET 22 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-10)

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

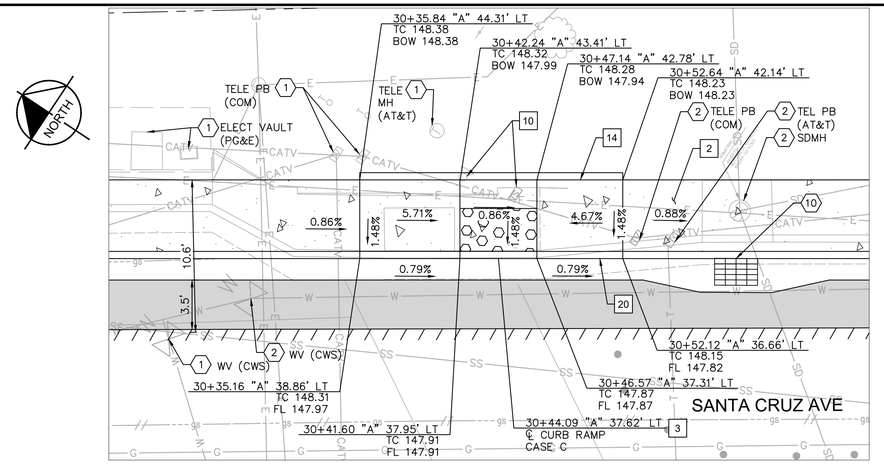
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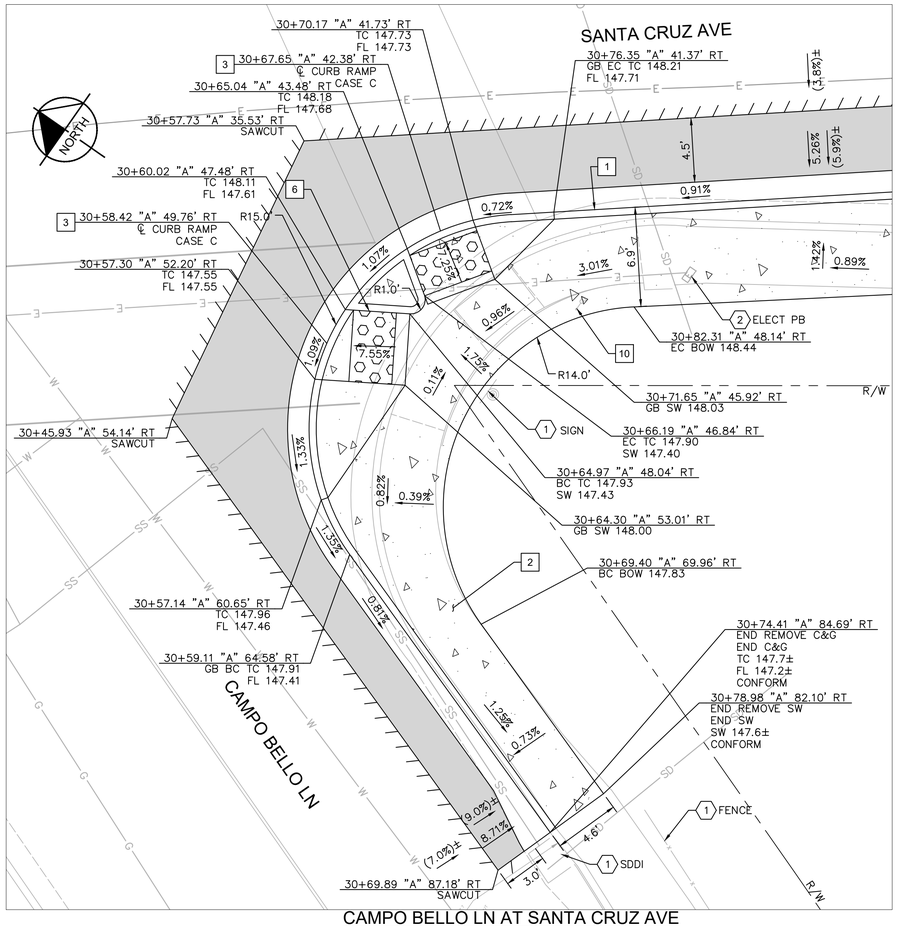
CAMPO BELLO LN AT SANTA CRUZ AVE
SW CORNER: RAMP CONSTRUCTION DETAILS

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022



CAMPO BELLO LN AT SANTA CRUZ AVE
(27) NE CORNER: RAMP CONSTRUCTION DETAILS



CAMPO BELLO LN AT SANTA CRUZ AVE
SE CORNER: RAMP CONSTRUCTION DETAILS

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
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- GRADE BREAK
- RIGHT OF WAY

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CONSTRUCTION NOTES

- [1] 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
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- [3] CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
- [4] DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- [6] 6" RETAINING CURB.
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- [23] 2' CURB TERMINATION PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

- (1) EXISTING TO REMAIN.
- (2) ADJUST TO GRADE.
- (10) REMOVE EXISTING INLET. SEE DR-SHEETS.

FILENAME: K:\BAY_RDWY\097888107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-11)

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — Civil — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	CAMPO BELLO LN	SCALE: AS SHOWN
		CHECKED BY: JP	CONSTRUCTION DETAILS	DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-11
SHEET 23 OF 58

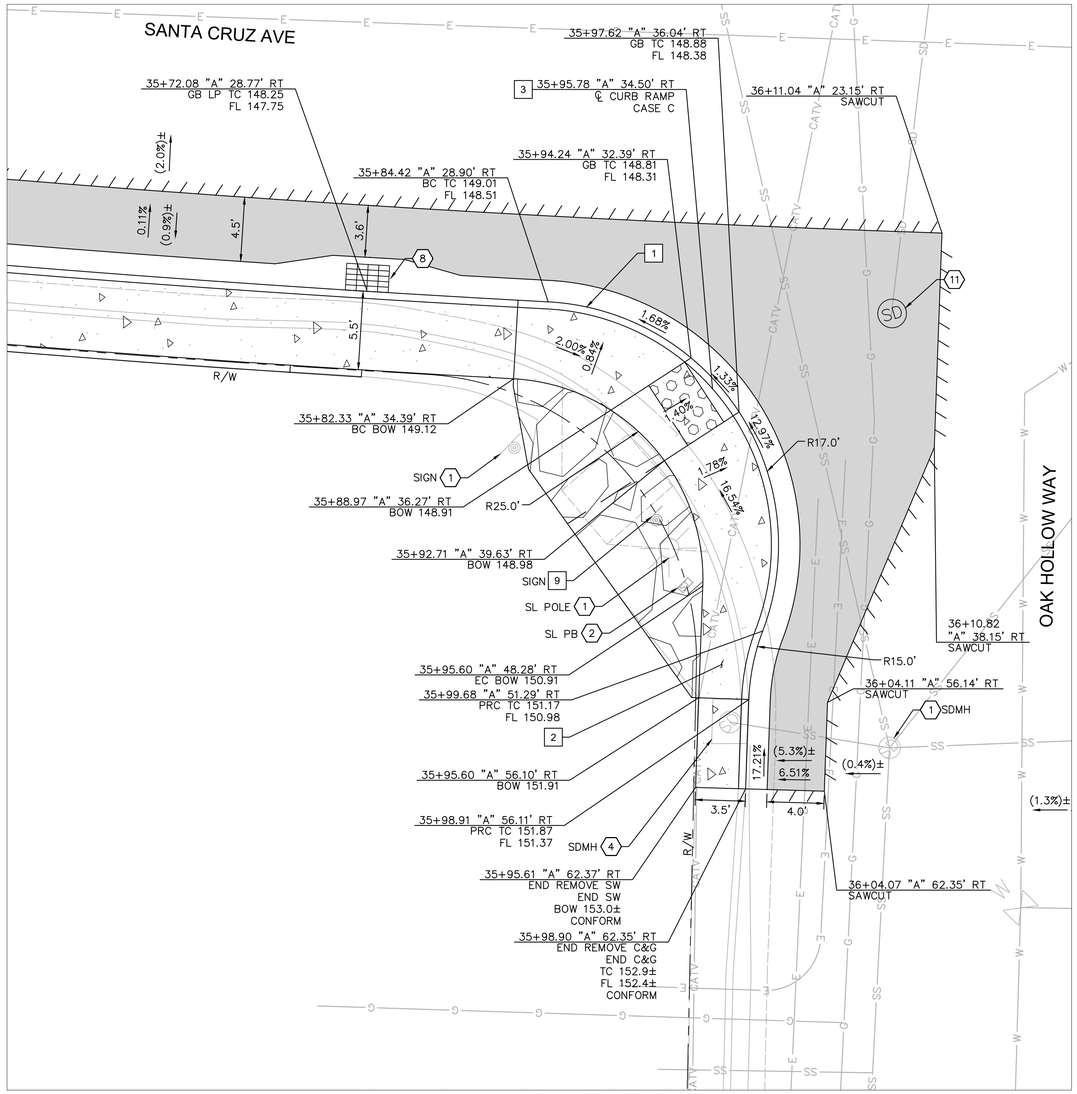
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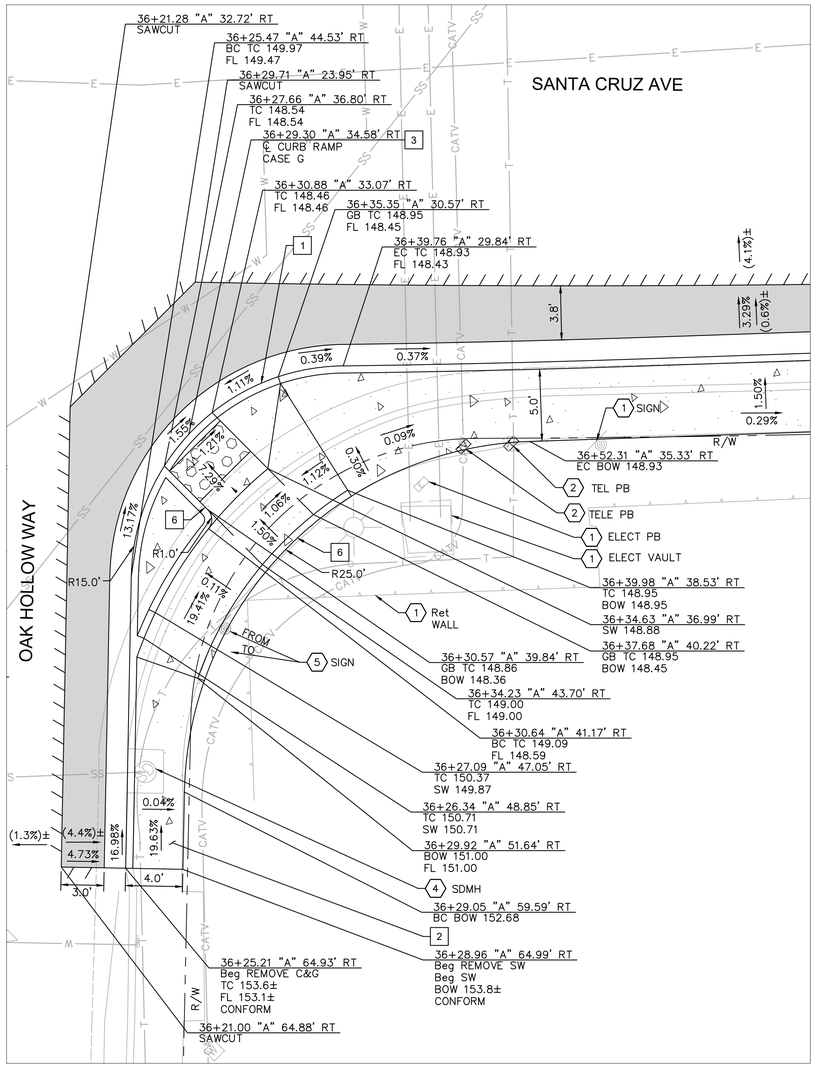
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DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



OAK HOLLOW WAY AT SANTA CRUZ AVE
SW CORNER: RAMP CONSTRUCTION DETAILS



OAK HOLLOW WAY AT SANTA CRUZ AVE
SE CORNER: RAMP CONSTRUCTION DETAILS

LEGEND

- HMA PAVEMENT (12" DEPTH)
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6. 6" RETAINING CURB.
9. RESET.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
4. PROTECT IN PLACE.
5. RELOCATE.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.
11. STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B-10. SEE DR-SHEETS.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-12.DWG (12 CD-12)

NORTH

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0 2.5 5 10

60% DESIGN
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REGISTERED PROFESSIONAL ENGINEER
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No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE

DESIGNED BY: CLH/ASP/HW
CHECKED BY: JP
DRAWN BY: SD/KS

OAK HOLLOW WAY
CONSTRUCTION DETAILS

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

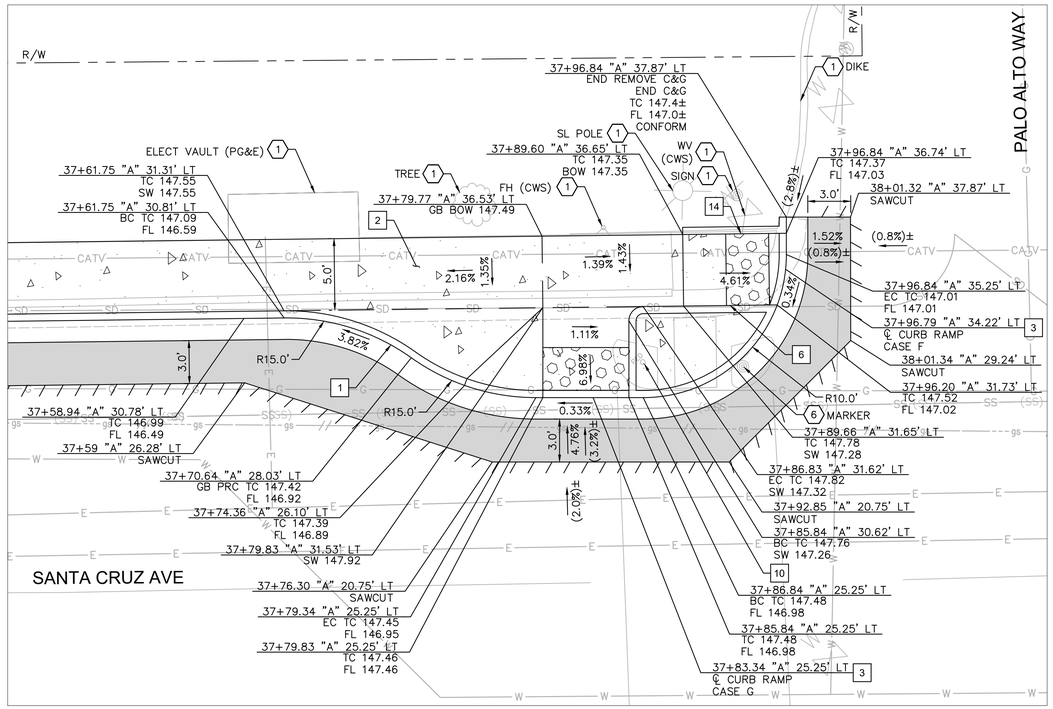
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

CD-12
SHEET 24 OF 58

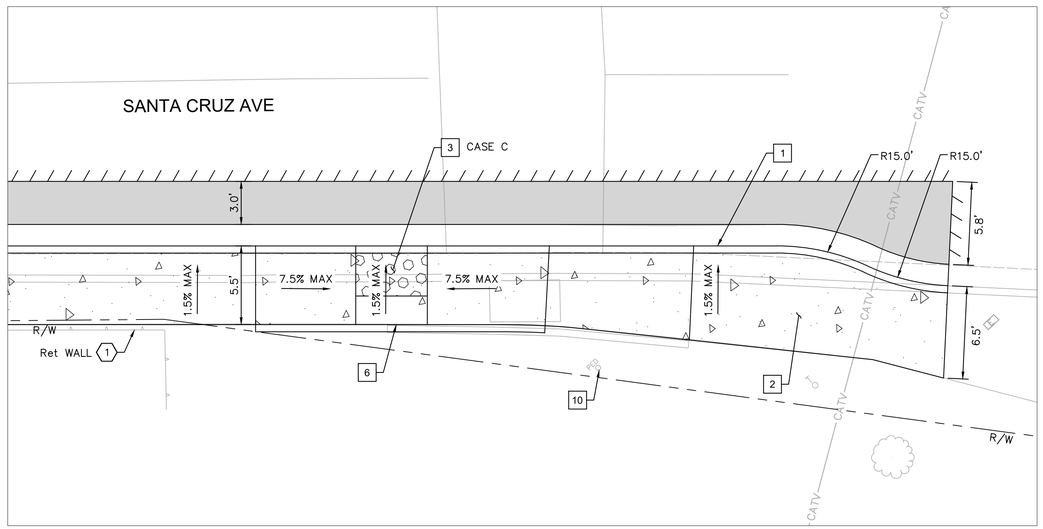
ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



PALO ALTO WAY AT SANTA CRUZ AVE
NW CORNER: RAMP CONSTRUCTION DETAILS



PALO ALTO WAY AT SANTA CRUZ AVE
SW CORNER: RAMP CONSTRUCTION DETAILS

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
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6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
14. 4" RETAINING CURB.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
6. REMOVE AND SALVAGE.

FILENAME: K:\BAY_POWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-12.DWG (13 CD-13)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

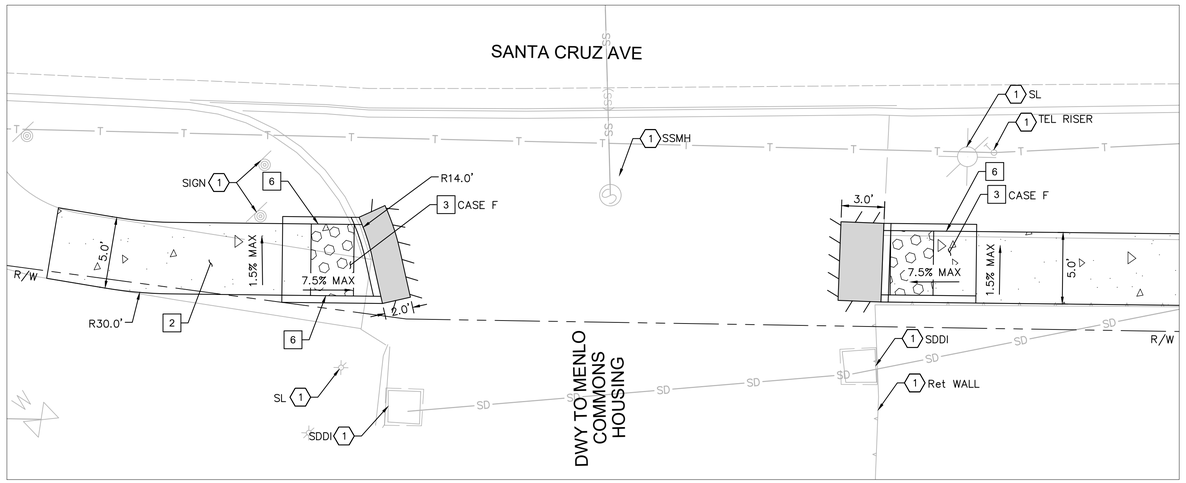
60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

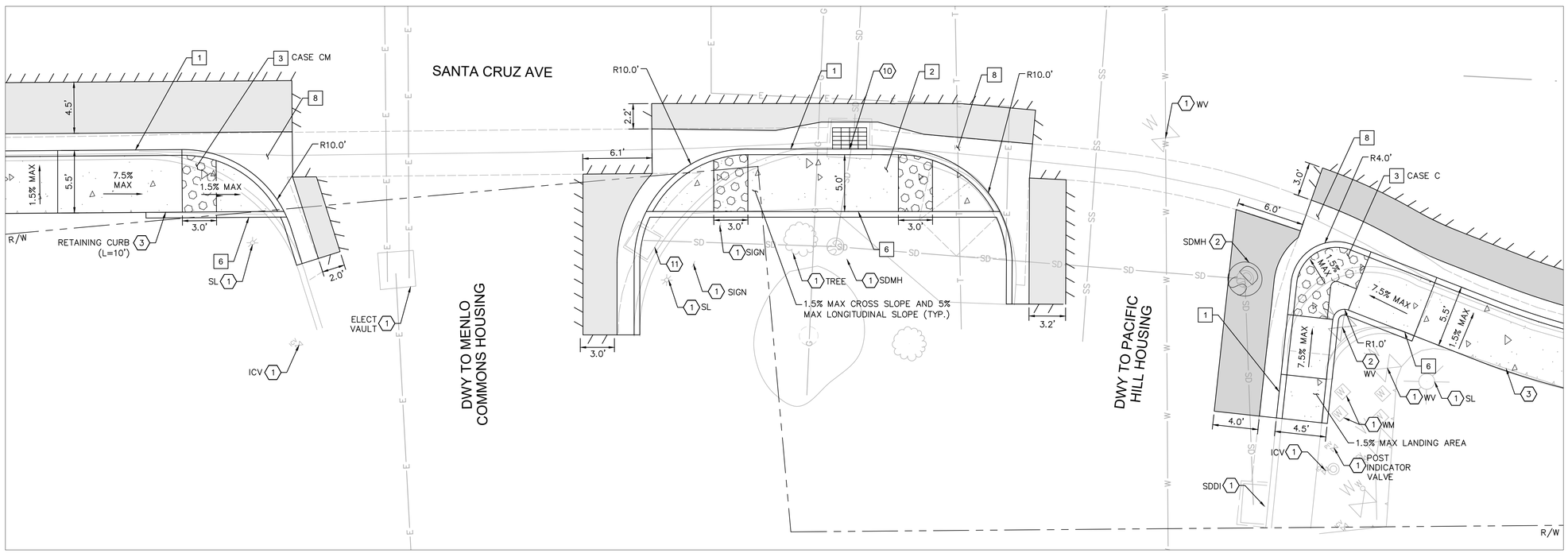
REGISTERED PROFESSIONAL ENGINEER — JOHN C. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

		DESIGNED BY: CLH/ASP/HW	PALO ALTO WAY CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4				CD-13 SHEET 25 OF 58



DRIVEWAY TO MENLO COMMONS AT SANTA CRUZ AVE
RAMP AND SIDEWALK CONSTRUCTION DETAILS



DRIVEWAY TO MENLO COMMONS AND PACIFIC HILL HOUSING AT SANTA CRUZ AVE
RAMP AND SIDEWALK CONSTRUCTION DETAILS

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
8. VALLEY GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-5. 3' WIDE UNLESS OTHERWISE NOTED ON PLANS.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
3. REMOVE.
10. REMOVE EXISTING INLET AND CONSTRUCT TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1.
11. REMOVE EXISTING INLET.

FILENAME K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-12.DWG (14 CD-14)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	DRIVEWAY TO MENLO COMMONS AND PACIFIC HILL HOUSING
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

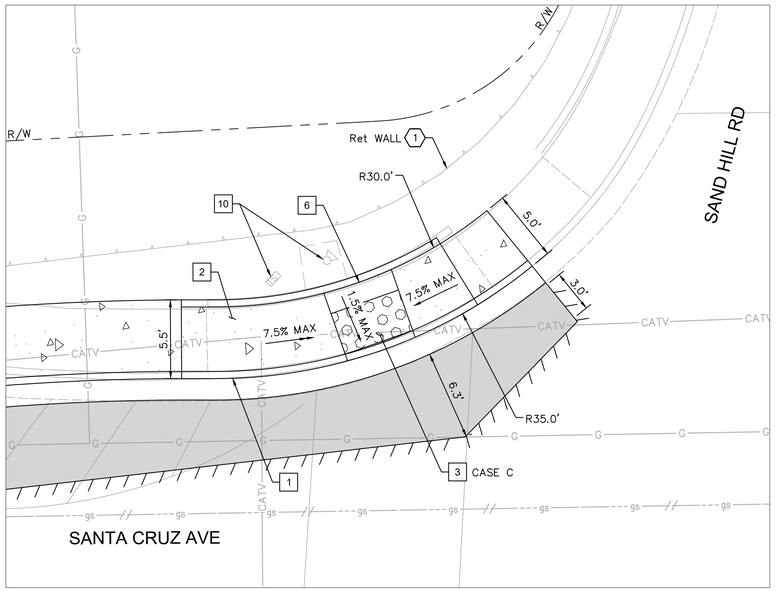
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

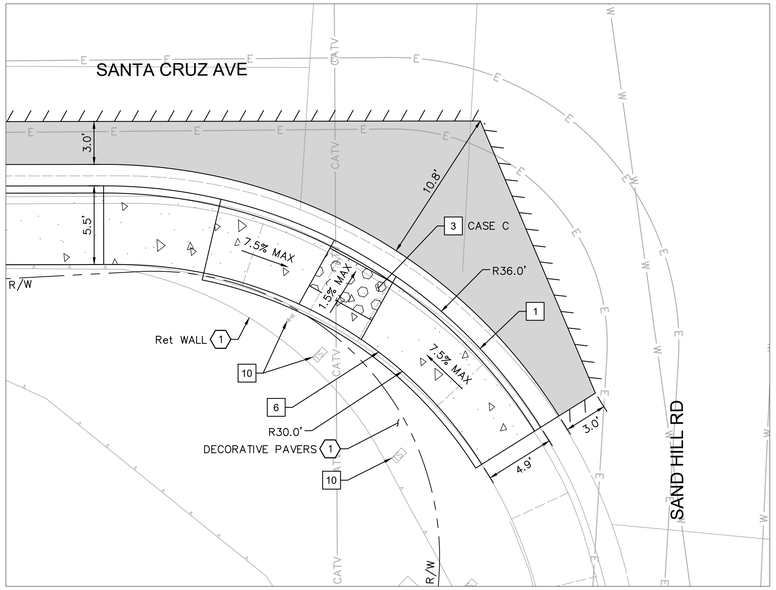
CD-14
SHEET 26 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



SAND HILL RD AT SANTA CRUZ AVE
NW CORNER: RAMP CONSTRUCTION DETAILS



SAND HILL RD AT SANTA CRUZ AVE
SW CORNER: RAMP CONSTRUCTION DETAILS

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D–3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D–3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D–4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.

FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\CD-12.DWG (15 CD-15)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY–HORN	
R.C.E. # 68897 / EXPIRES 09–30–2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	SAND HILL RD
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

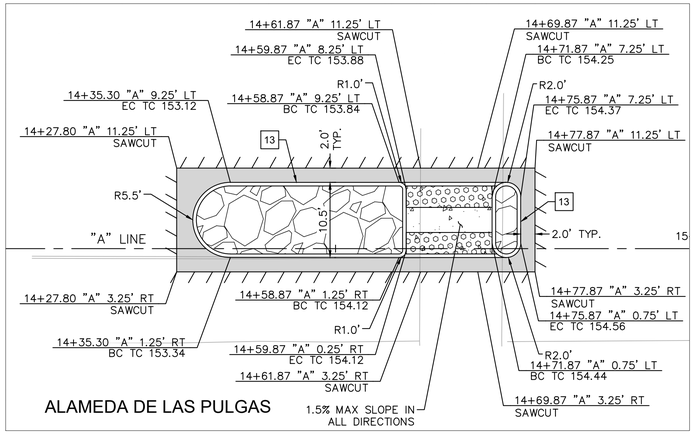
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DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

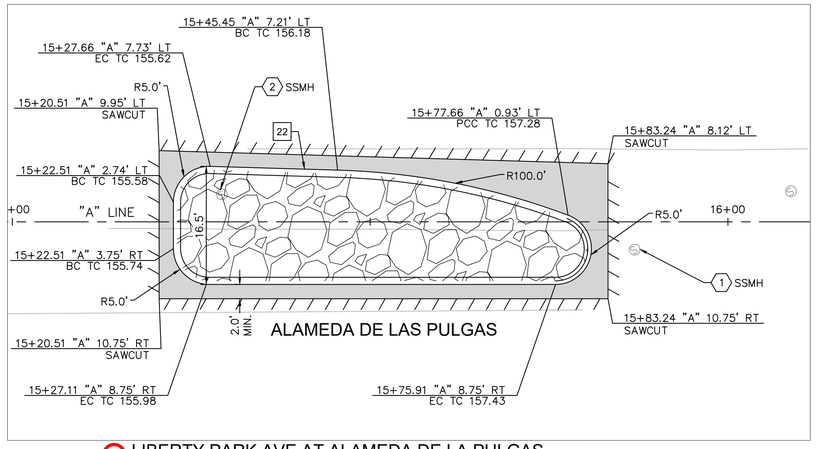
CD-15
SHEET 27 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



19 LIBERTY PARK AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



19 LIBERTY PARK AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.

22 3" MOUNTABLE CURB PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

1 EXISTING TO REMAIN.

2 ADJUST TO GRADE.

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (16 CD-16)

GRAPHIC SCALE IN FEET
0 5 10 20

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	RAISED MEDIAN (VARIOUS LOCATIONS) CONSTRUCTION DETAILS
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

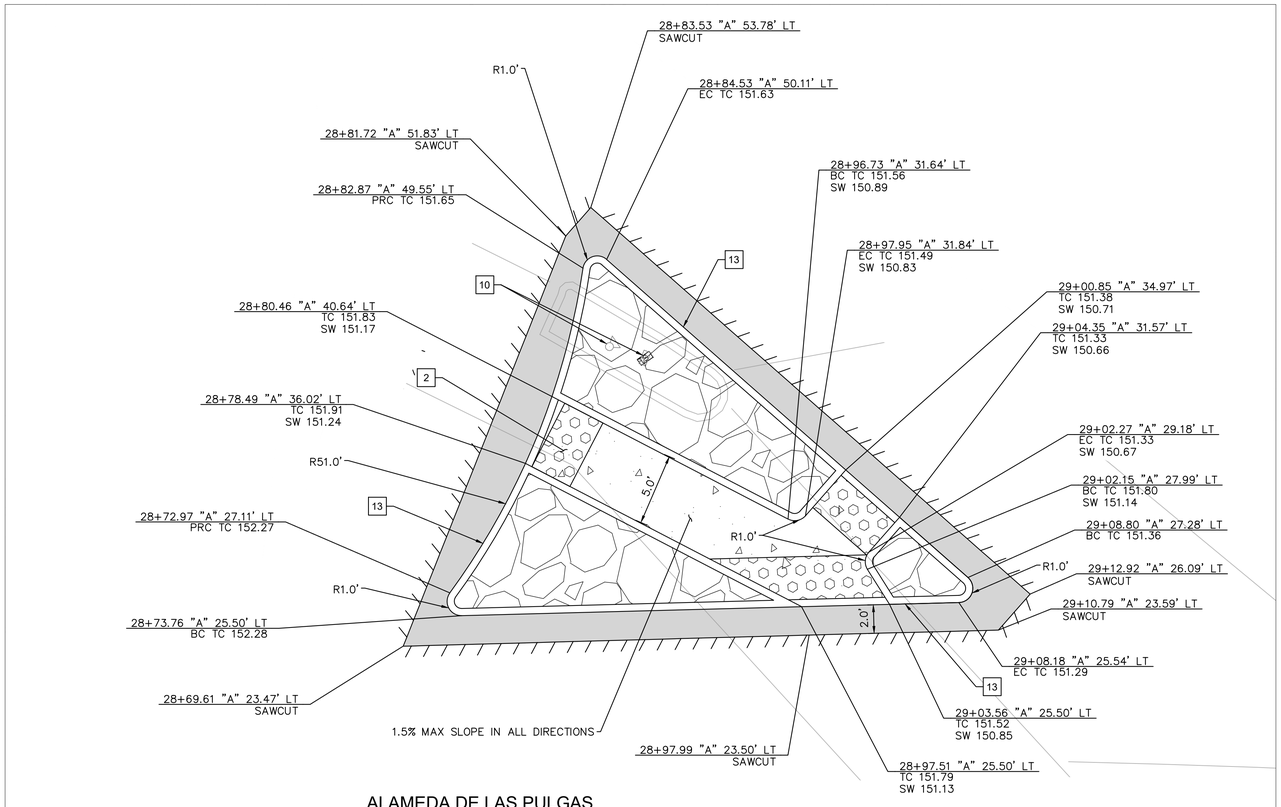
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

CD-16
SHEET 28 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



ALAMEDA DE LAS PULGAS

28 SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS MEDIAN CONSTRUCTION DETAILS

GRAPHIC SCALE IN FEET
0 2.5 5 10

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
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- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

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CONSTRUCTION NOTES

2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.

7 SEE SS SHEETS FOR DETAILS.

10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.

13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.

DEMOLITION & UTILITY NOTES

2 ADJUST TO GRADE.

FILENAME: K:\BAY_RDWY\097888107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (17 CD-17)

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	CHECKED BY: JP	DRAWN BY: SD/KS
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		

RAISED MEDIAN (VARIOUS LOCATIONS)
CONSTRUCTION DETAILS

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-17
SHEET 29 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

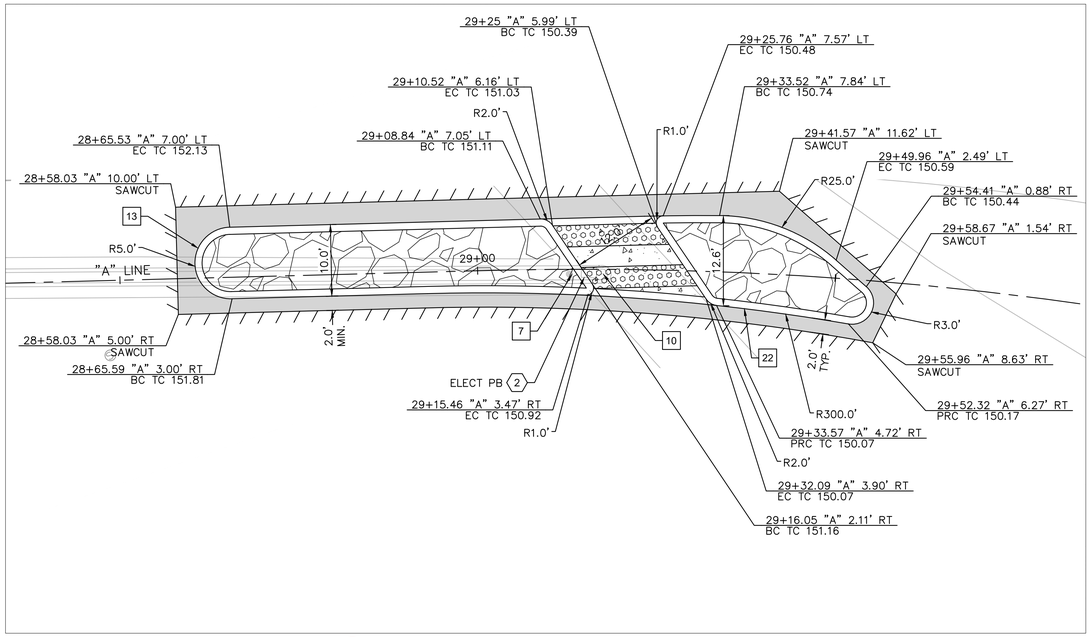
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9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

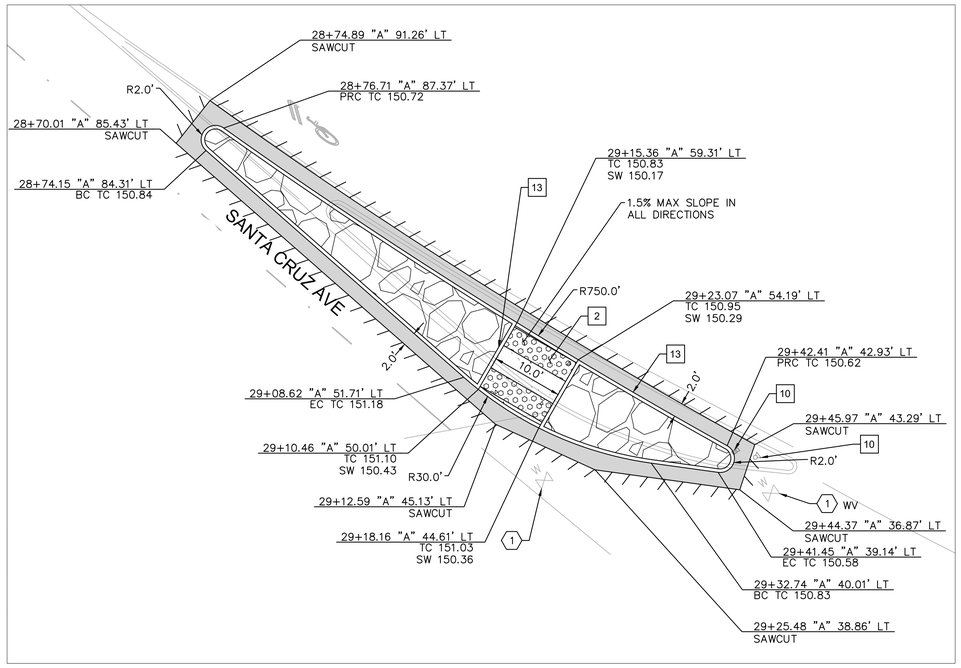
- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 7 SEE SS SHEETS FOR DETAILS.
- 10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- 13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.
- 22 3" MOUNTABLE CURB PER DETAIL ON SHEET CD-21.

DEMOLITION & UTILITY NOTES

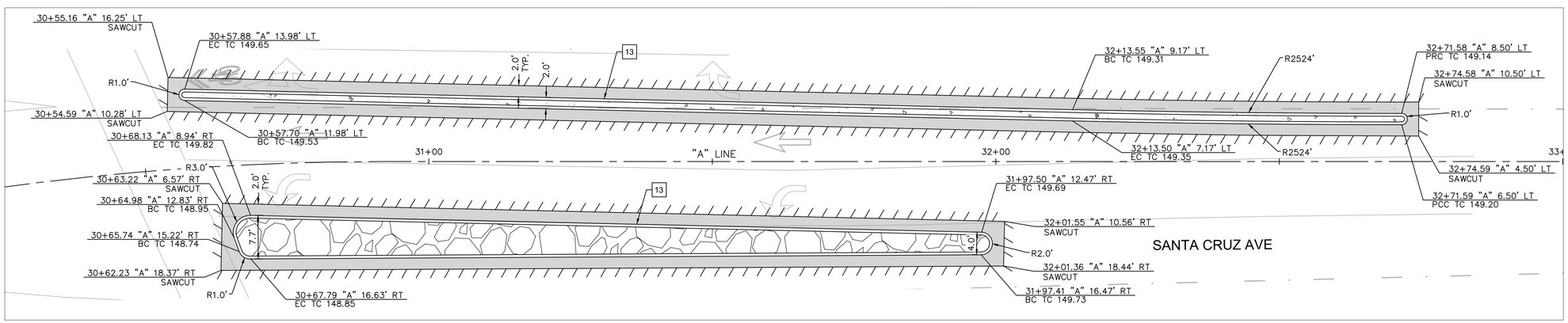
- 1 EXISTING TO REMAIN.
- 2 ADJUST TO GRADE.



29 SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



28 SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



23 28 39 SANTA CRUZ AVE AT CAMPO BELLO LN
MEDIAN CONSTRUCTION DETAILS

GRAPHIC SCALE IN FEET
0 5 10 20

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN C. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	RAISED MEDIAN (VARIOUS LOCATIONS) CONSTRUCTION DETAILS
		CHECKED BY: JP	
		DRAWN BY: SD/KS	

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-18
SHEET 30 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (18 CD-18)

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

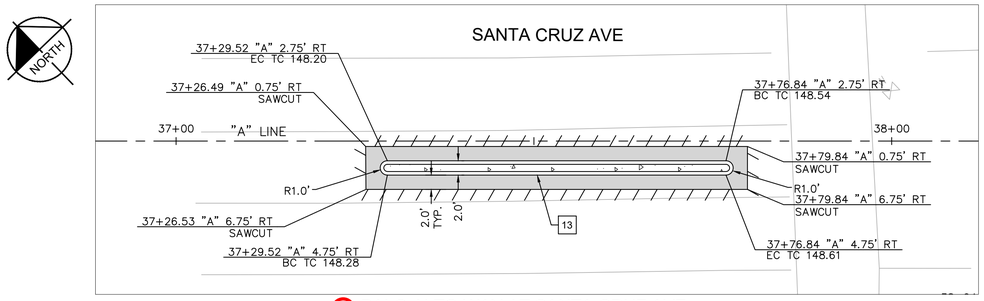
INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

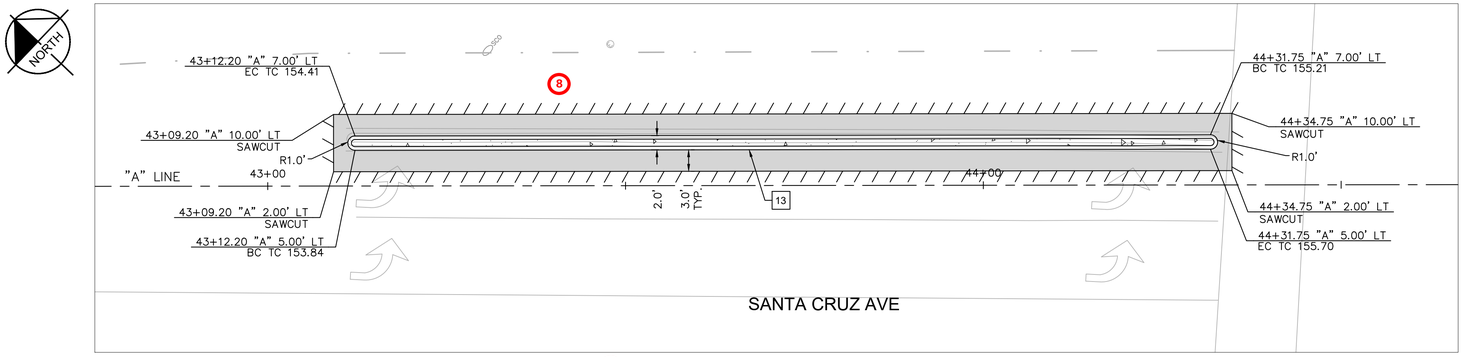
APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



9 PALO ALTO WAY AT SANTA CRUZ AVE
MEDIAN CONSTRUCTION DETAILS



8 SAND HILL ROAD AT SANTA CRUZ AVE
MEDIAN CONSTRUCTION DETAIL

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS.

CONSTRUCTION NOTES

13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.

DEMOLITION & UTILITY NOTES

NO DEMOLITION & UTILITY NOTES THIS SHEET.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (19 CD-19)

GRAPHIC SCALE IN FEET
0 5 10 20

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

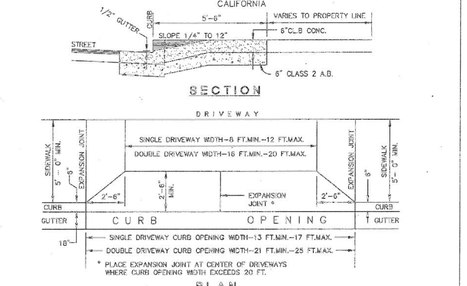
REVISION	DATE	DESIGNED BY: CLH/ASP/HW	RAISED MEDIAN (VARIOUS LOCATIONS) CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-19
SHEET 31 OF 58

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 6/95 | REVISED: 4/97



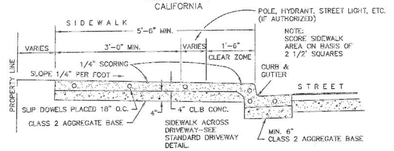
NOTE:
WHERE POSSIBLE, 22 FT. DISTANCES OR MULTIPLES OF 22 FT. DISTANCES SHOULD BE OBTAINED BETWEEN CURB OPENINGS. CONSTRUCT MONOLITHIC CURB, GUTTER, DRIVEWAY AND APRON. WHERE DRIVEWAYS OF SEPARATE RESIDENTIAL DWELLINGS ARE CONSTRUCTED ADJACENT TO ONE ANOTHER, DOUBLE THE DIMENSIONS SHOWN ABOVE. USE NO. 4 REINFORCING BAR DOWELS AS SHOWN ON STANDARD CURB, GUTTER AND SIDEWALK DETAIL.

STANDARD STRUCTURES
DRIVEWAY WIDTHS AND CURB OPENINGS
FOR
SINGLE FAMILY RESIDENTIAL DWELLINGS

D-1

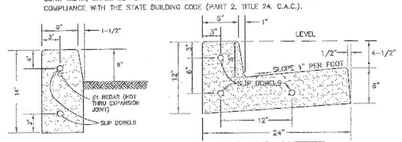
SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 6/95 | REVISED: 4/97



TYPICAL SECTION
URBAN CURB, GUTTER AND SIDEWALK

NOTE: OBSTRUCTIONS SUCH AS POLES, HYDRANTS, STREET SIGNS, UTILITY BOXES, STREET LIGHTS, ETC. SHALL BE LOCATED BEHIND THE SIDEWALK, UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS. A CLEAR ZONE ALONG THE CURB AND SIDEWALK 18 INCHES IN WIDTH (MEASURED FROM THE FACE OF THE CURB) SHALL BE KEPT CLEAR AND OPEN FROM ALL OBSTRUCTIONS. IN ADDITION, AN AREA 3 FEET IN WIDTH ALONG THE SIDEWALK, EXCLUSIVE OF THE CURB WIDTH, SHALL BE KEPT CLEAR AND OPEN FROM ALL OBSTRUCTIONS IN COMPLIANCE WITH THE STATE BUILDING CODE (PART 2, TITLE 24, C.A.C.).



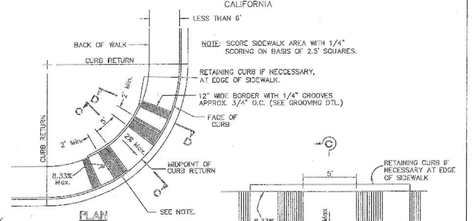
TYPICAL SECTIONS

NOTES:
1. ALL CONCRETE TO BE CLASS B CONCRETE.
2. MINIMUM SIDEWALK THICKNESS = 4 INCHES PCC.
3. PLACE 1/2" DIAMETER X 18" LONG DOWELS AT EXPANSION JOINTS AS SHOWN.
4. PLACE 1/2" THICK EXPANSION JOINTS FULL WIDTH 20' ON CENTER.
5. CONSTRUCT MONOLITHIC CURB, GUTTER AND SIDEWALK UNLESS OTHERWISE SPECIFICALLY AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS.
6. SUB-BASE MATERIALS WITHIN 30" OF SUBGRADE SHALL BE COMPACTED TO 95%

D-3

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 7/97 | REVISED:



SIDEWALK ACCESS RAMP
FOR SIDEWALKS LESS THAN 6' WIDE

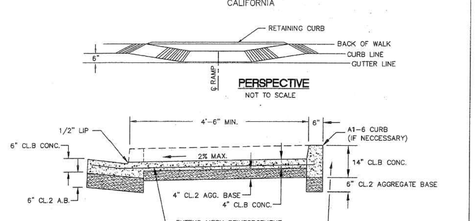
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(SHEET 1 OF 3)

D-4A

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 7/97 | REVISED:



SIDEWALK ACCESS RAMP
FOR SIDEWALKS LESS THAN 6' WIDE

NO SCALE

(SHEET 2 OF 3)

D-4B

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: A.G.M. | CHECK BY: R.L.F. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 6/95 | REVISED: 4/97

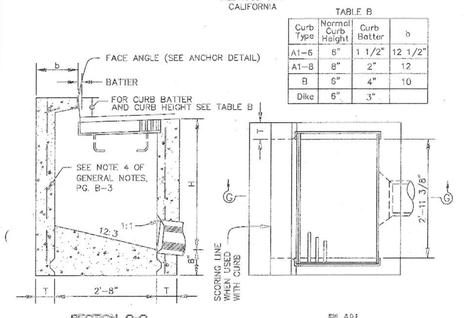


TABLE B

Curb Type	Normal Curb Height	Curb Batter	b
A1-6	6"	1 1/2"	12 1/2"
A1-8	8"	2"	12
B	6"	4"	10
Dike	6"	3"	

CATCH BASIN QUANTITY TABLE

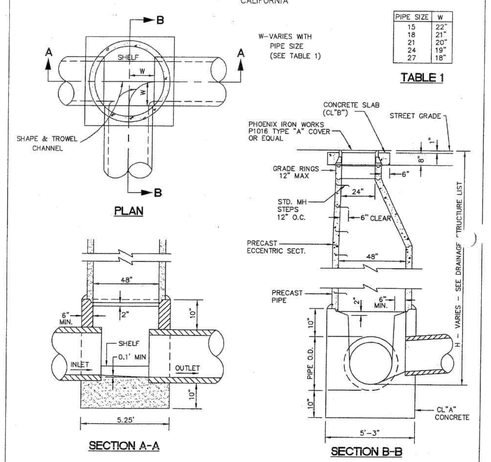
	H=3'-0" TO 8'-0" (T=6")		H=8'-1" TO 20'-0" (T=8")	
	H=3'-0"	ADDITIONAL P.C.C. PER FT. (C.Y.)	H=8'-1"	ADDITIONAL P.C.C. PER FT. (C.Y.)
GO	1.24	0.245	3.39	0.346

TABLE BASED ON 8" FLOOR SLAB, NO DEDUCTION FOR PIPE OPENINGS, AND CURB TYPE GIVING HIGHEST QUANTITY OF CONCRETE. NO DEDUCTIONS OR ADJUSTMENTS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPE.

B-1

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: B.M.A. | CHECK BY: R.L.F. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 6/95 | REVISED: 7/97



STANDARD STORM DRAIN MANHOLE

NO SCALE

B-10

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 7/97 | REVISED:

GENERAL NOTES

1. CURB RAMPS THAT HAVE A RAMP SLOPE FLATTER THAN 6.67% SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH OF THE RAMP AND 24" MINIMUM LENGTH. DETECTABLE WARNING SURFACES, AT THE OPTION OF THE CONTRACTOR, SHALL BE CONSTRUCTED BY CAST-IN-PLACE OR STAMPED METHOD, OR CONSIST OF A PREFABRICATED SURFACE. THE PRE-FABRICATED SURFACE SHALL REQUIRE APPROVAL BY THE ENGINEER.
2. TRANSITIONS FROM RAMPS TO WALKS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. THE BOTTOM OF THE RAMP SHALL HAVE A 1/2" LIP AT 45°.
3. INSTALL SLIP DOWELS 18" O.C. AT EXPANSION JOINTS.
4. MINIMUM WIDTH OF RAMP, NOT INCLUDING RETAINING CURB, SHALL BE 4 FEET.
5. THE SURFACE OF RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK EXCEPT WHEN LOCATED IN CENTER OF CURB RETURN.
6. BACKFILL MATERIAL TO BE PLACED FLUSH WITH TOP OF CURB.
7. CONSTRUCT MONOLITHIC CURB, GUTTER, AND SIDEWALK.
8. SUB-BASE MATERIAL WITHIN 2.5' OF SUBGRADE SHALL BE COMPACTED TO 95%.
9. RECONSTRUCT SIDEWALK TO NEAREST SCORE LINE AND INSTALL EXPANSION JOINT.
10. UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED BY OTHERS PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION

SIDEWALK ACCESS RAMP
FOR SIDEWALKS LESS THAN 6' WIDE

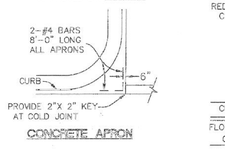
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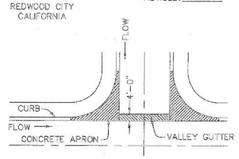
(SHEET 3 OF 3)

D-4C

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P. | CHECK BY: J.A.L. | APPROVED BY: N.R.C. | SCALE: NONE | DATE: 7/97 | REVISED:





NOTES:
1. OMIT GUTTER AROUND RETURN. SLOPE ALL PARTS OF APRON FROM CURB TO NEAREST FLOW LINE WITHIN LIMITS OF VALLEY GUTTER.
2. APRON TO BE 6" MIN. THICK CL.B P.C.C. OVER MIN. 6" COMPACTED CL.2 AGG. BASE.
3. REINFORCEMENT SHALL CONSIST OF 6"X 6"-#10/#10 WELDED WIRE FABRIC.
4. APRONS SHALL BE POURED MONOLITHIC WITH ADJACENT CURB AND GUTTER.
5. CONCRETE VALLEY GUTTER AND APRONS SHALL BE INSTALLED PRIOR TO PAVING.
6. PLACE 1/2" DIAMETER X 18" LONG DOWELS, AT EXPANSION JOINTS, AS SHOWN.
7. PLACE 1/4" THICK EXPANSION JOINTS FULL WIDTH 20' ON CENTER. DEEP SCORE AT 10' INTERVALS BETWEEN EXPANSION JOINTS.
8. WIDTH OF VALLEY GUTTER SHALL BE AS DETERMINED BY DPW.

VALLEY GUTTER DETAILS

D-5

APPROVED:

DATE:

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

APPROVED DATE:

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER — JOHN C. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

60% DESIGN
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MARCH 2022

COUNTY OF SAN MATEO — PUBLIC WORKS

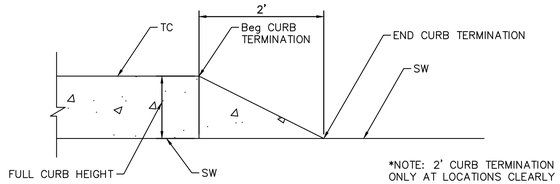
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		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS, COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR, REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN | DATE: 3/18/2022 | FILE NO.: E5043

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

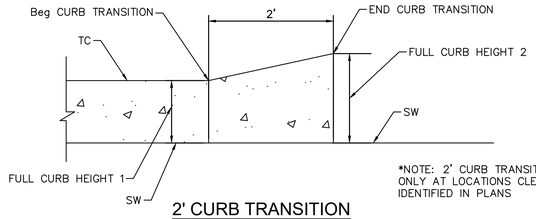
CD-20
SHEET 32 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (20 CD-20)



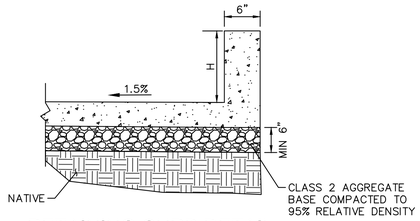
*NOTE: 2' CURB TERMINATION ONLY AT LOCATIONS CLEARLY IDENTIFIED IN PLANS

2' CURB TERMINATION
NTS

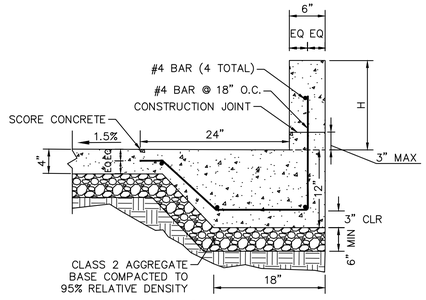


*NOTE: 2' CURB TRANSITIONS ONLY AT LOCATIONS CLEARLY IDENTIFIED IN PLANS

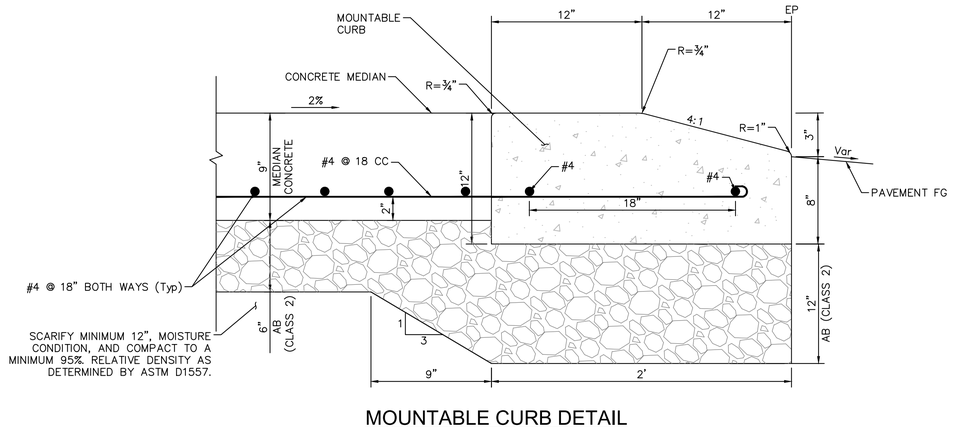
2' CURB TRANSITION
NTS



RETAINING CURB DETAIL
H < 18"
NTS



RETAINING CURB DETAIL
H ≥ 18" (MAX 2.5')
NTS



MOUNTABLE CURB DETAIL
NTS

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
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APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

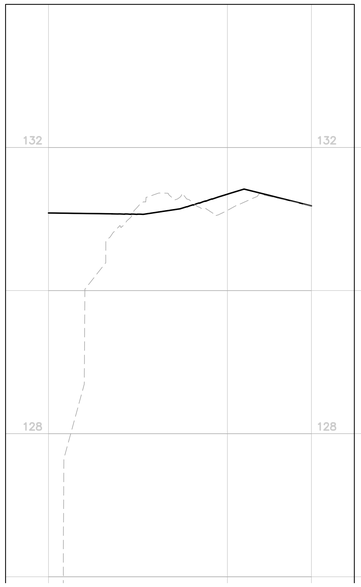
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		DESIGNED BY: CLH/ASP /HW	COUNTY STANDARD DETAILS
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

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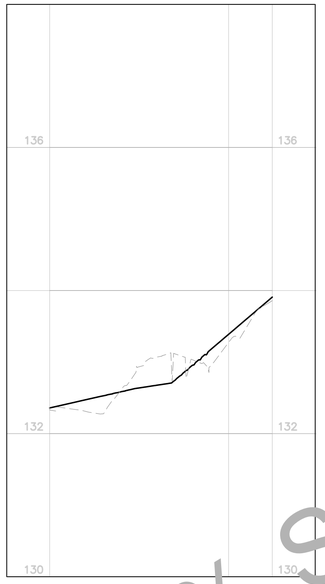
CD-21
SHEET 33 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (33 CD-21)



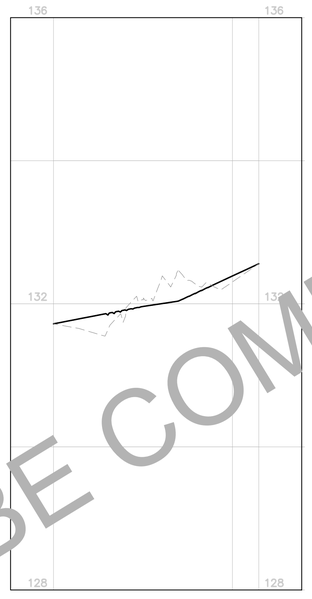
AVY AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



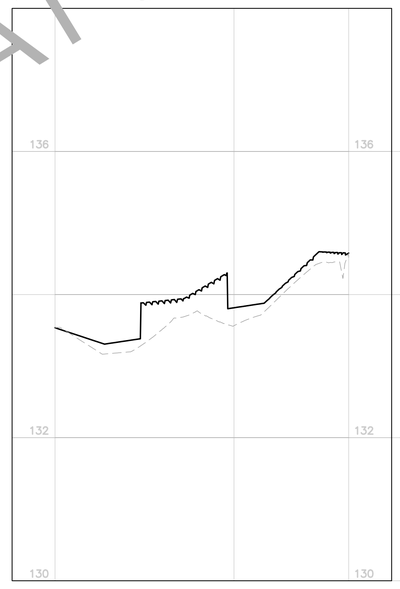
AVY AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



AVY AVE AT ALAMEDA DE LAS PULGAS
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



AVY AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

1. CONTRACTOR SHALL VERIFY ALL CONFORM ELEVATIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. SEE PV SHEETS FOR CONTINUATION OF TC PROFILE DETAILS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

		DESIGNED BY: CLH/ASP /HW	AVY AVE CURB RETURN PROFILES	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4				CR-01 SHEET 34 OF 58

FILENAME: K:\BAY_ROWY\097888107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-01.DWG (CR-01)

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

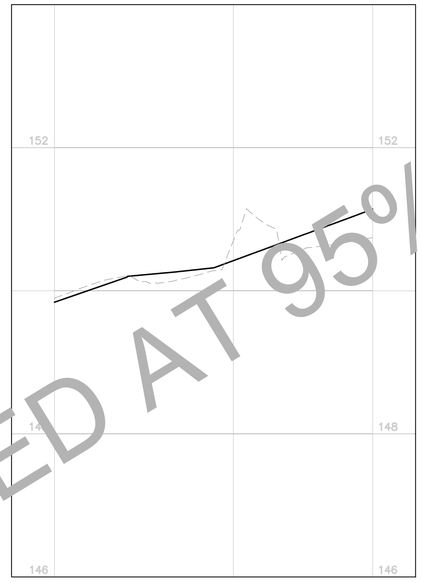
NOTES

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PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT



HARKINS AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

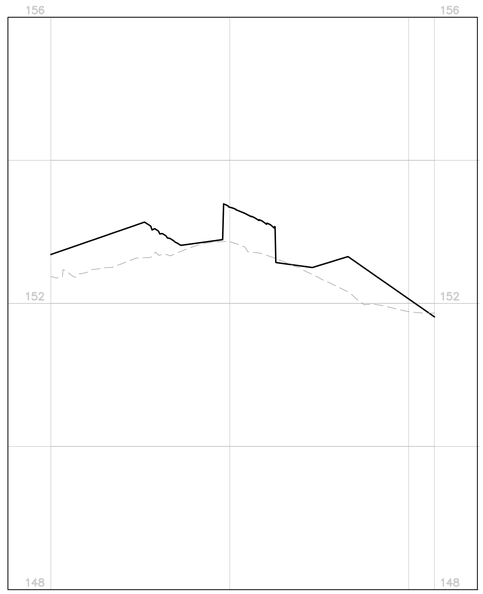
REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	HARKINS AVE CURB RETURN PROFILES
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

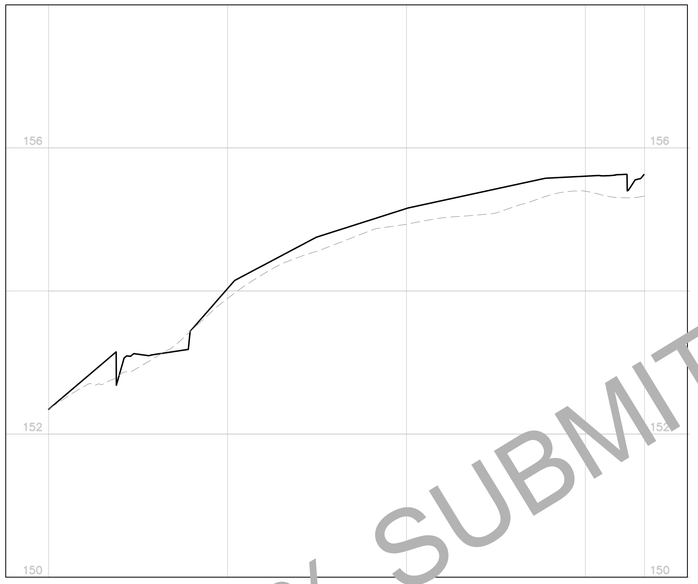
CR-02
SHEET 35 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-01.DWG (CR-02)



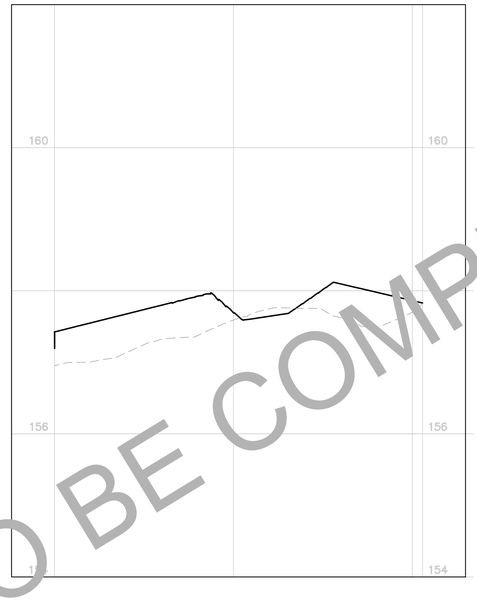
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



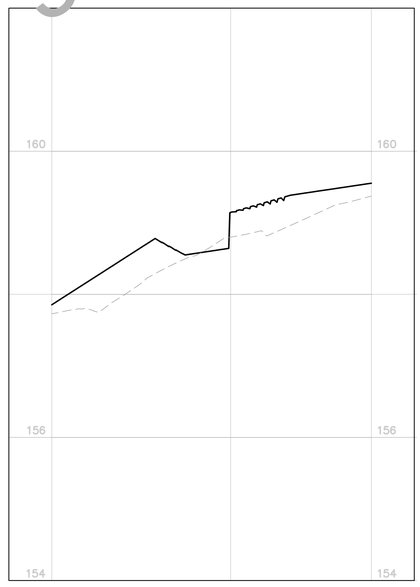
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



PROSPECT ST AT ALAMEDA DE LAS PULGAS
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



PROSPECT ST AT ALAMEDA DE LAS PULGAS
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

TO BE COMPLETED AT 95% SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

1. CONTRACTOR SHALL VERIFY ALL CONFORM ELEVATIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. SEE PV SHEETS FOR CONTINUATION OF TC PROFILE DETAILS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

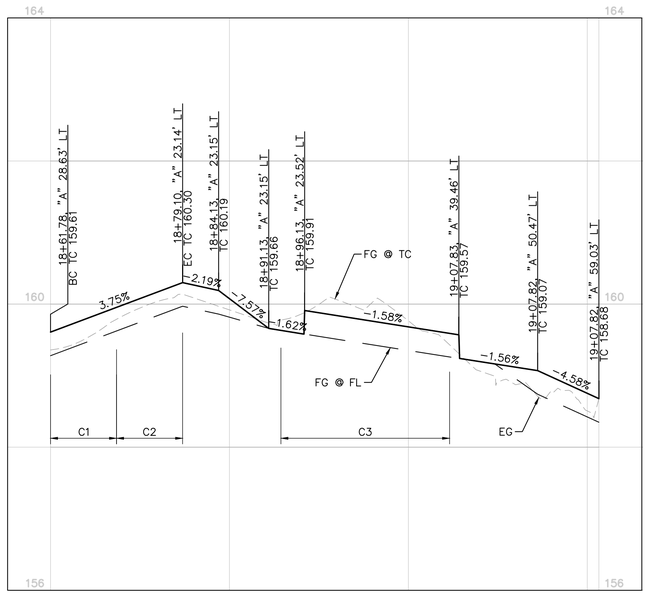
REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	LIBERTY PARK AVE/PROSPECT ST
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

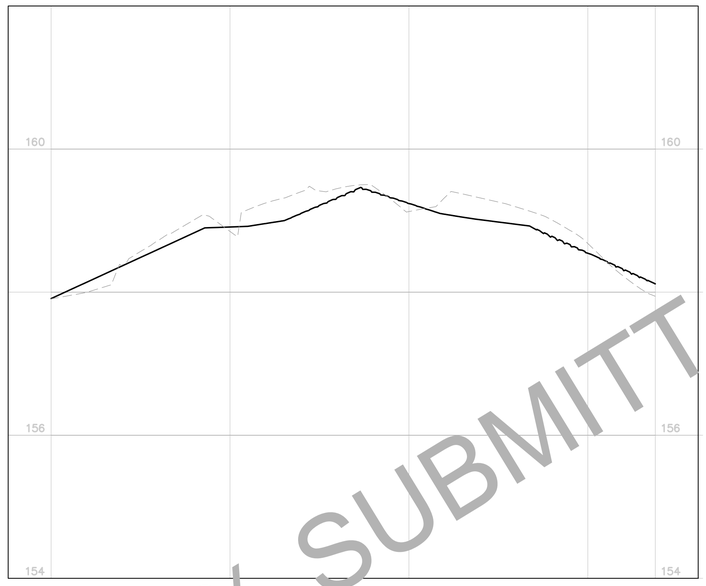
CR-03
SHEET 36 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-01.DWG (CR-03)



SHARON RD AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



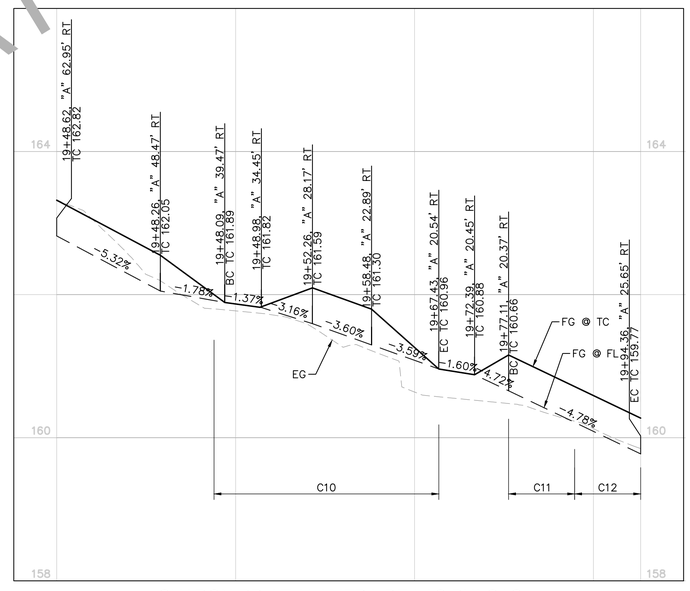
SHARON RD AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



SHARON RD AT ALAMEDA DE LAS PULGAS
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



SHARON RD AT ALAMEDA DE LAS PULGAS
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

TO BE COMPLETED AT 95% SUBMITTAL

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

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PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
1	15.00'	9.23'	N37°42'19"W	9.08'	35°14'51"	4.77'
2	15.00'	9.23'	S37°42'19"E	9.08'	35°14'51"	4.77'
3	15.00'	23.56'	N79°40'15"E	21.21'	90°00'00"	15.00'
4	20.00'	31.42'	S11°48'09"E	28.28'	90°00'00"	20.00'
5	15.00'	8.79'	S73°34'52"E	8.66'	33°33'26"	4.52'
6	15.00'	8.79'	N73°34'52"W	8.66'	33°33'26"	4.52'
10	20.00'	31.42'	N78°11'51"E	28.28'	90°00'00"	20.00'
11	15.00'	9.23'	S39°10'44"E	9.08'	35°14'51"	4.77'
12	15.00'	9.23'	S39°10'44"E	9.08'	35°14'51"	4.77'

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

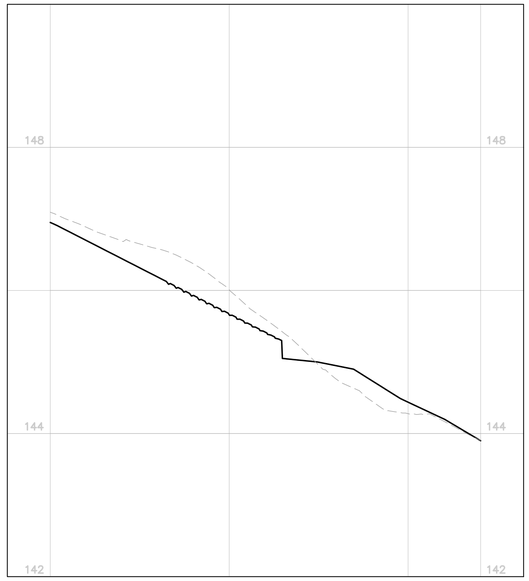
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	SHARON RD
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043
CR-04
SHEET 37 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-01.DWG (CR-04)



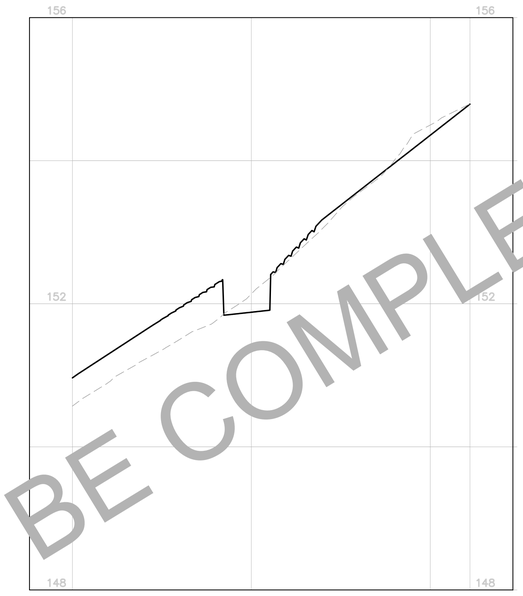
HARRISON WAY AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



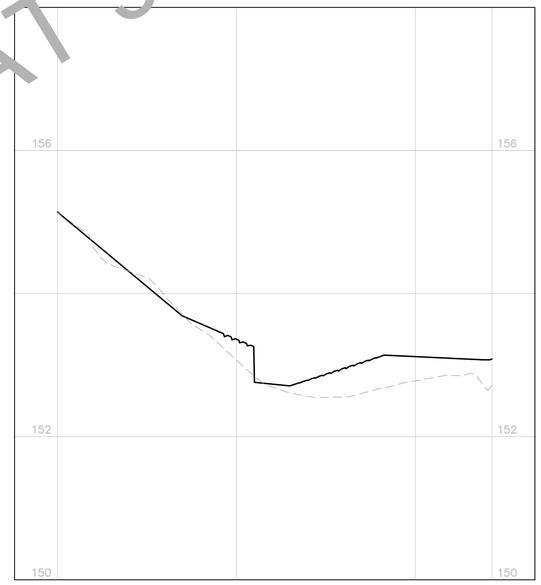
HARRISON WAY AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



CLAYTON DR AT ALAMEDA DE LAS PULGAS
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



CLAYTON DR AT ALAMEDA DE LAS PULGAS
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

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PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
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CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	REGISTERED PROFESSIONAL ENGINEER JOHN E. PULLIAM No. 68897 CIVIL STATE OF CALIFORNIA
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

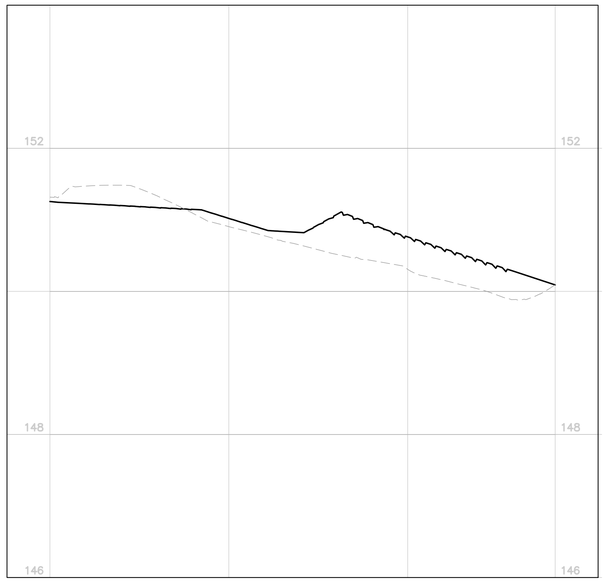
COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP /HW	HARRISON WAY/CLAYTON DR CURB RETURN PROFILES	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CR-05
SHEET 38 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-01.DWG (CR-05)



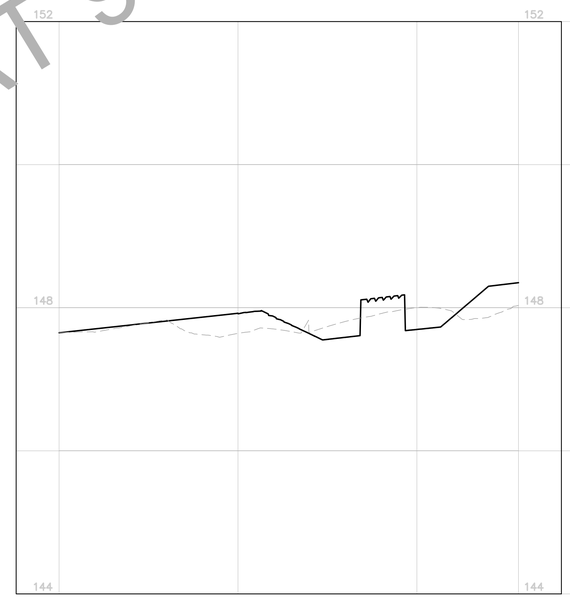
SANTA CRUZ AVE AT ALAMEDA DE LAS PULGAS
CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



CAMPO BELLO LN AT SANTA CRUZ AVE
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



CAMPO BELLO LN AT SANTA CRUZ AVE
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

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PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
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CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

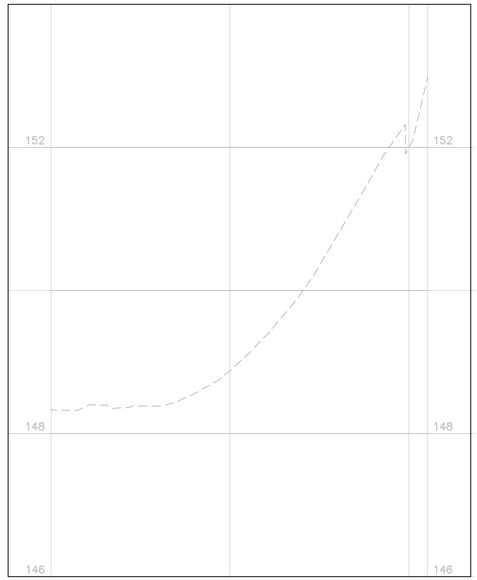
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SANTA CRUZ AVE/CAMPO BELLO LN
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

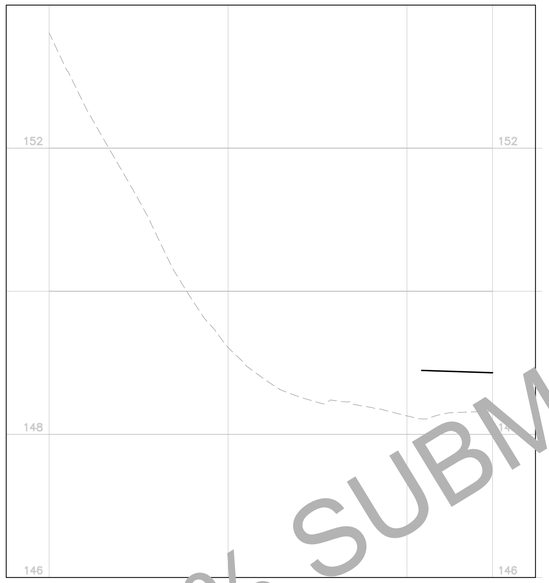
CR-06
SHEET 39 OF 58

FILENAME: K:\BAY_ROW\\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-06.DWG (CR-06)



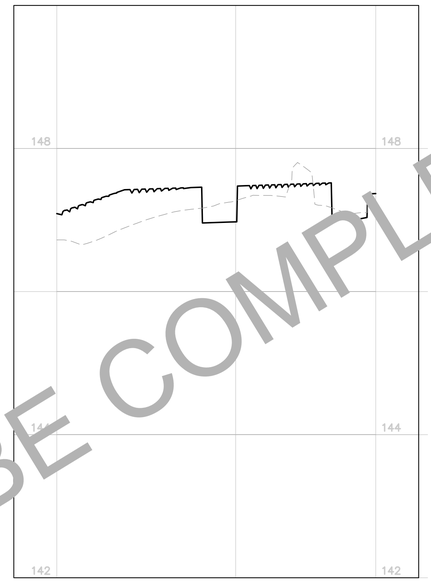
OAK HOLLOW WAY AT SANTA CRUZ AVE
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



OAK HOLLOW WAY AT SANTA CRUZ AVE
SE CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



PALO ALTO WAY AT SANTA CRUZ AVE
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

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2. SEE PV SHEETS FOR CONTINUATION OF TC PROFILE DETAILS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

		DESIGNED BY: CLH/ASP /HW	OAK HOLLOW WAY/ PALO ALTO WAY CURB RETURN PROFILES	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CR-07
SHEET 40 OF 58

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-06.DWG (CR-07)

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

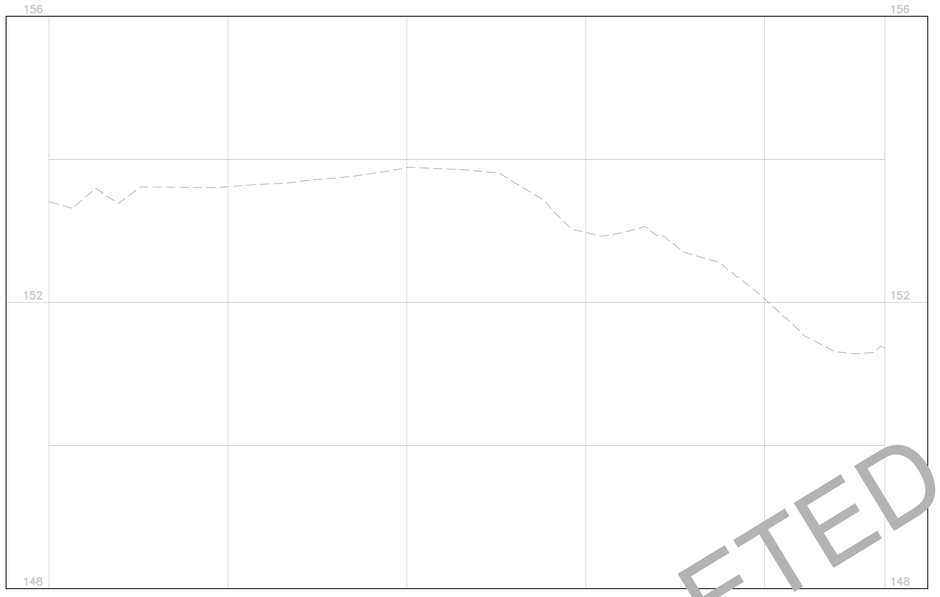
NOTES

1. CONTRACTOR SHALL VERIFY ALL CONFORM ELEVATIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. SEE PV SHEETS FOR CONTINUATION OF TC PROFILE DETAILS.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

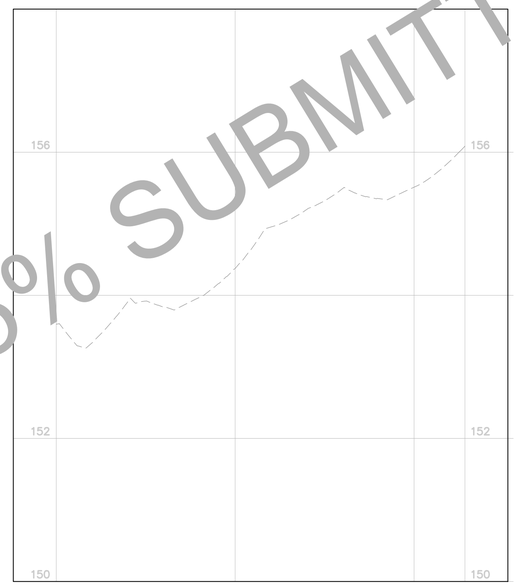
INFORMATION ONLY
NOT FOR CONSTRUCTION

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT



SAND HILL RD AT SANTA CRUZ AVE
NW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'



SAND HILL RD AT SANTA CRUZ AVE
SW CORNER: CURB RETURN PROFILE

HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 1'

TO BE COMPLETED AT 95% SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER — JOHN E. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	SAND HILL RD CURB RETURN PROFILES
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

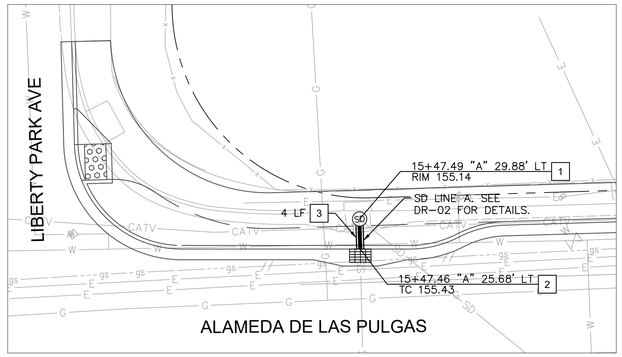
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

CR-08
SHEET 41 OF 58

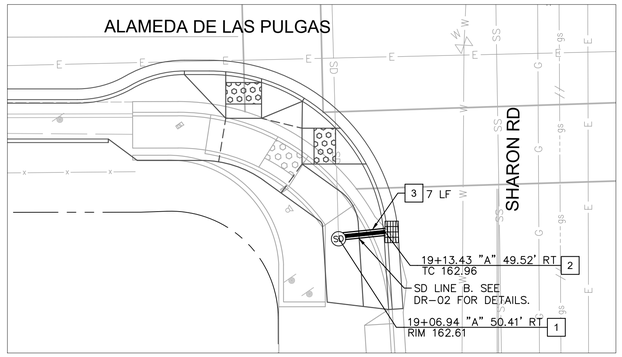
FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-06.DWG (CR-08)

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

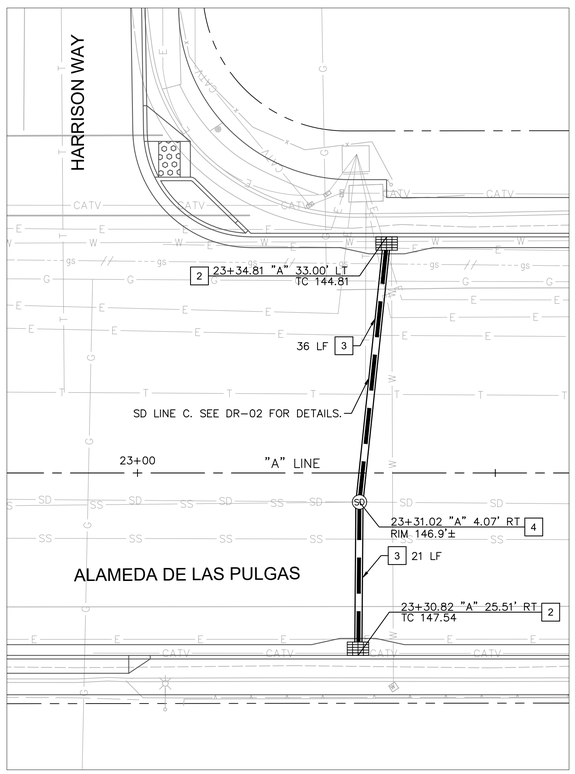
INFORMATION ONLY
NOT FOR CONSTRUCTION



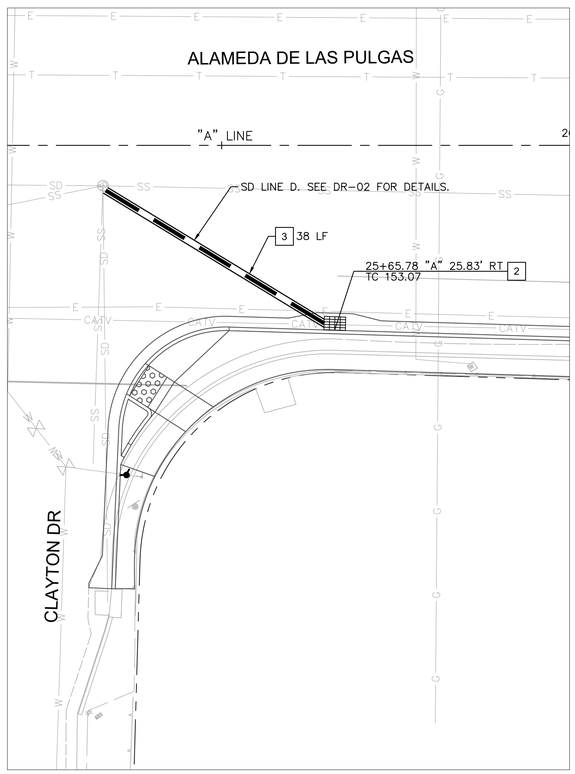
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS



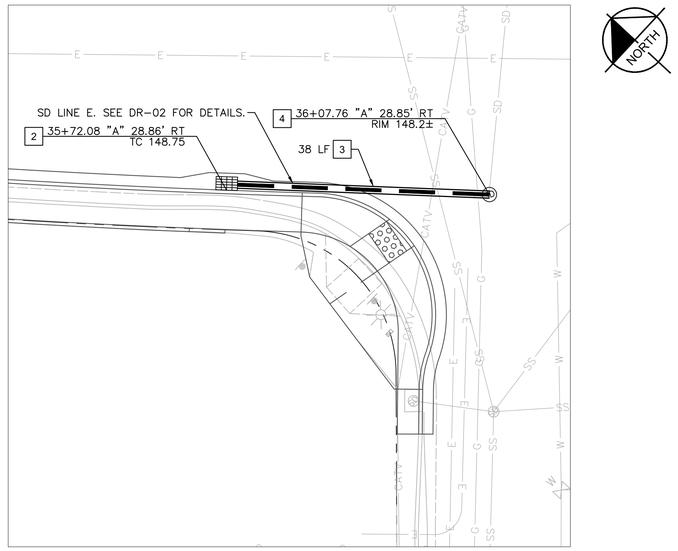
SHARON RD AT ALAMEDA DE LAS PULGAS



HARRISON WAY AT ALAMEDA DE LAS PULGAS



CLAYTON DR AT ALAMEDA DE LAS PULGAS



OAK HOLLOW WAY AT ALAMEDA DE LAS PULGAS

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

LEGEND

- INLET
- MANHOLE
- 12" CLASS III RCP
- SD — EXISTING STORM DRAIN LINE
- RIGHT OF WAY

NOTES

1. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS AND DEPTHS.
2. DOWELS SHALL BE PLACED IN 3/4" DIAMETER, DRILLED HOLES WITH 1:1 SAND CEMENT GROUT OR EPOXY.
3. SEE COUNTY OF SAN MATEO STD DRAWING B-1 FOR INLET TOP DETAILS NOT SHOWN.

DRAINAGE NOTES

1. CONVERT EXISTING INLET TO STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B-10.
2. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1.
3. 12" RCP STORM DRAIN PIPE. LENGTH NOTED PER PLANS.
4. STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B-10.

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

GRAPHIC SCALE IN FEET
0 5 10 20

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	DRAINAGE PROFILES AND DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4		DR-01 SHEET 42 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\DR-01.DWG (DR-01)

APPROVED:

DATE: _____

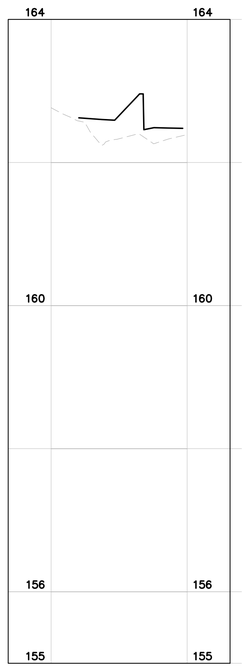
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

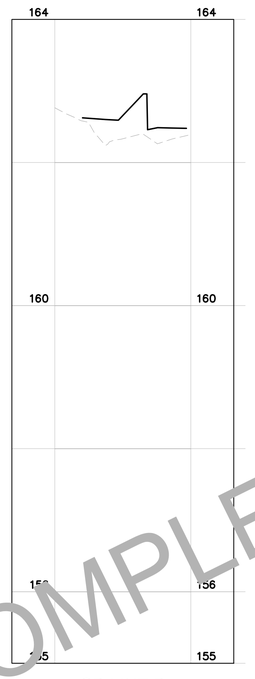
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PRELIMINARY PLANS
NOT FOR CONSTRUCTION

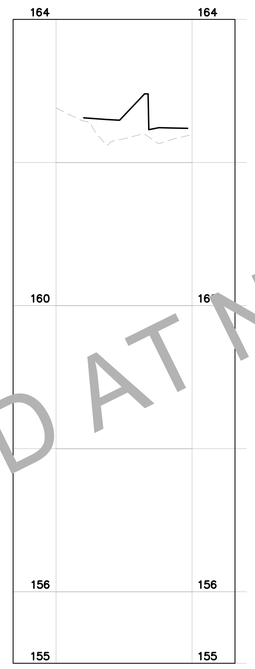
INFORMATION ONLY
NOT FOR CONSTRUCTION



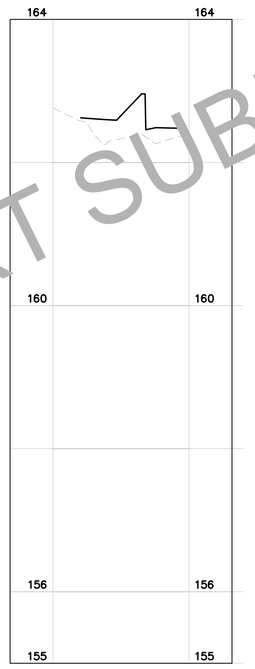
SD LINE A
HORZ SCALE: 1"=10'
VERT SCALE: 1"=1'



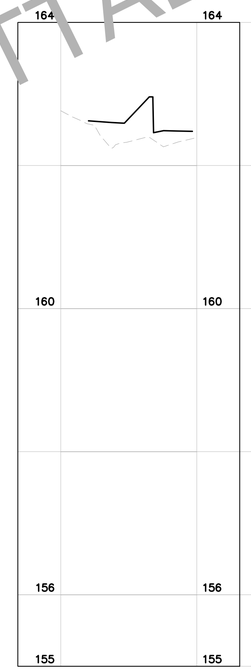
SD LINE B
HORZ SCALE: 1"=10'
VERT SCALE: 1"=1'



SD LINE C
HORZ SCALE: 1"=10'
VERT SCALE: 1"=1'



SD LINE D
HORZ SCALE: 1"=10'
VERT SCALE: 1"=1'



SD LINE E
HORZ SCALE: 1"=10'
VERT SCALE: 1"=1'

TO BE COMPLETED AT NEXT SUBMITTAL

FILENAME: K:\BAY_ROW\\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\DR-01.DWG (DR-02)

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

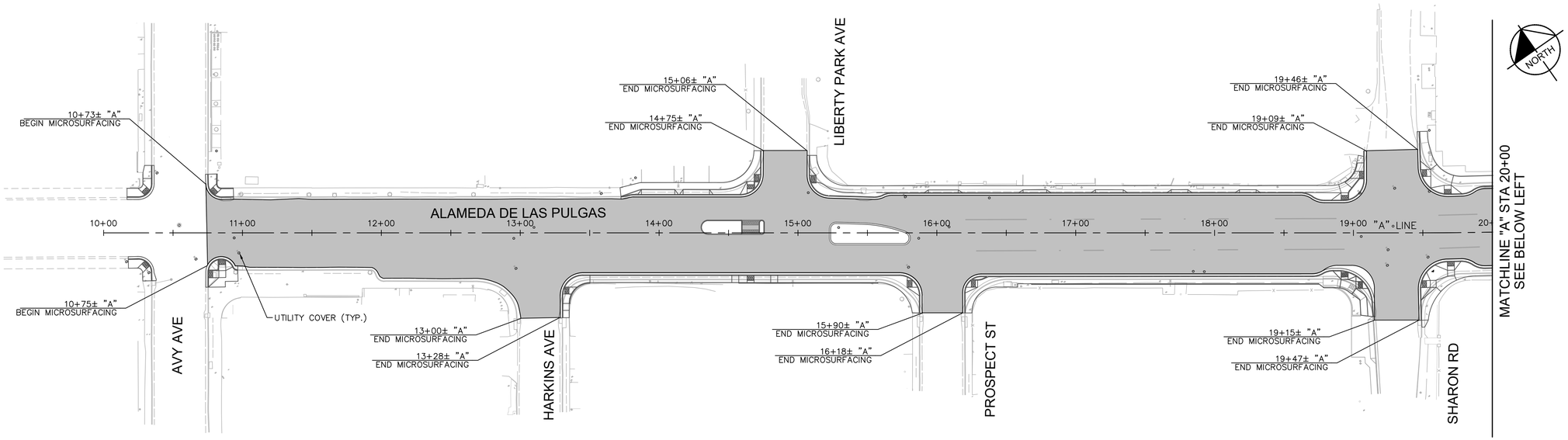
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

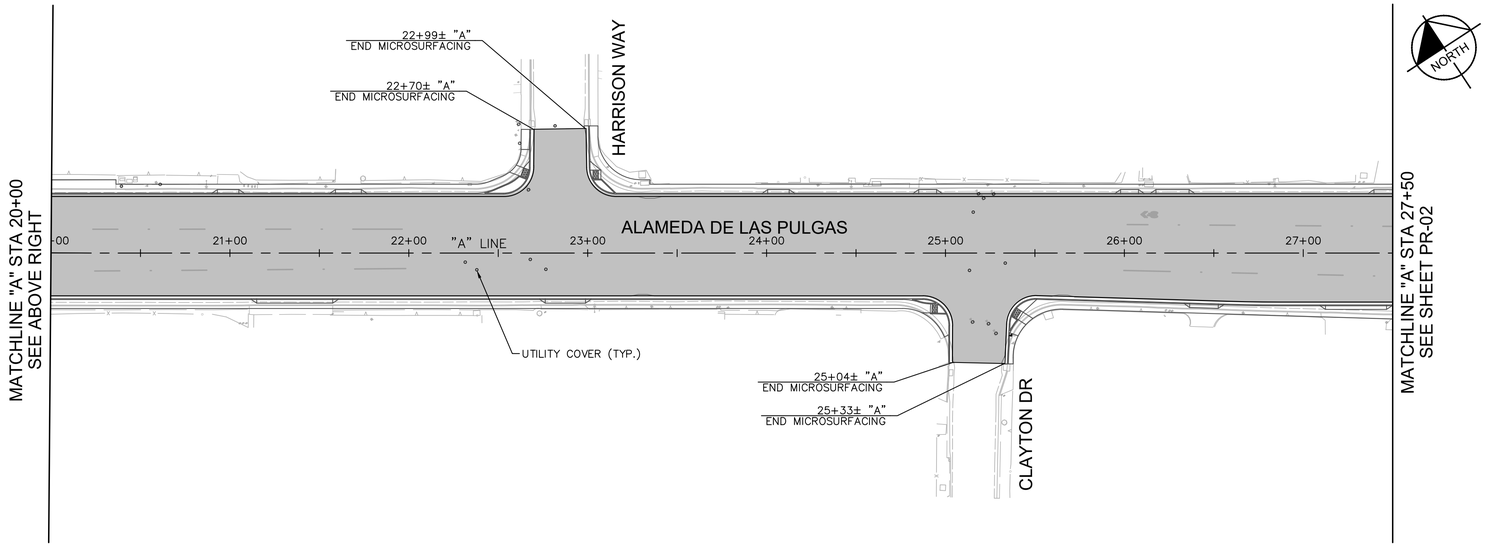
COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	DRAINAGE PROFILES AND DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

DR-02
SHEET 43 OF 58





REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

1. THE CONTRACTOR SHALL CALL USA AT LEAST 2 DAYS BEFORE STARTING CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS. VERIFY UTILITY LOCATIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES WITH AND ADJACENT TO THE PROJECT AREA, INCLUDING BOTH THOSE SHOWN AND NOT SHOWN IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
2. TIE OUT ALL MANHOLES, WATER VALVE COVERS, CLEAN OUTS, PULL BOXES, SG BOXES, AND MONUMENTS, THEN PROVIDE DATA TO THE COUNTY REPRESENTATIVE 14 DAYS PRIOR TO ANY SURFACE TREATMENT.
3. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN A MINIMUM OF 14 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. DO NOT START WORK WITHOUT TRAFFIC CONTROL PLAN APPROVED BY THE CITY.
4. CONTRACTOR SHALL PROTECT MONUMENTS IN PLACE AND SHALL NOTIFY THE CITY INSPECTOR IF ANY ARE IDENTIFIED WITHIN THE LIMITS OF THE WORK.
5. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PAVEMENT REHABILITATION LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON SS-SHEETS.
6. TREATMENT AND EXACT REPAIR LIMITS SHALL BE MARKED AND CONFIRMED, IN THE FIELD BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION.
7. UNLESS OTHERWISE NOTED, ALL UTILITIES ARE TO REMAIN.
8. SEE SS-SHEETS FOR STRIPING AND PAVEMENT MARKING PLANS.

LEGEND

MICROSURFACING

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

GRAPHIC SCALE IN FEET
0 20 40 80

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

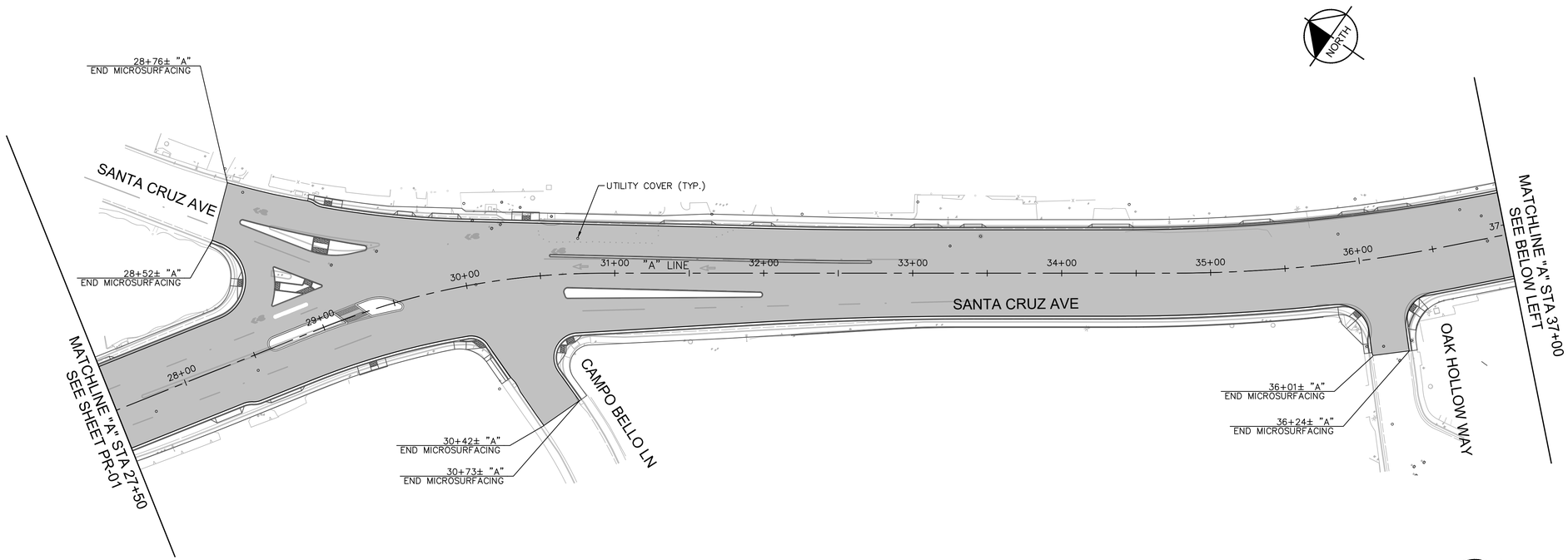
COUNTY OF SAN MATEO
PUBLIC WORKS

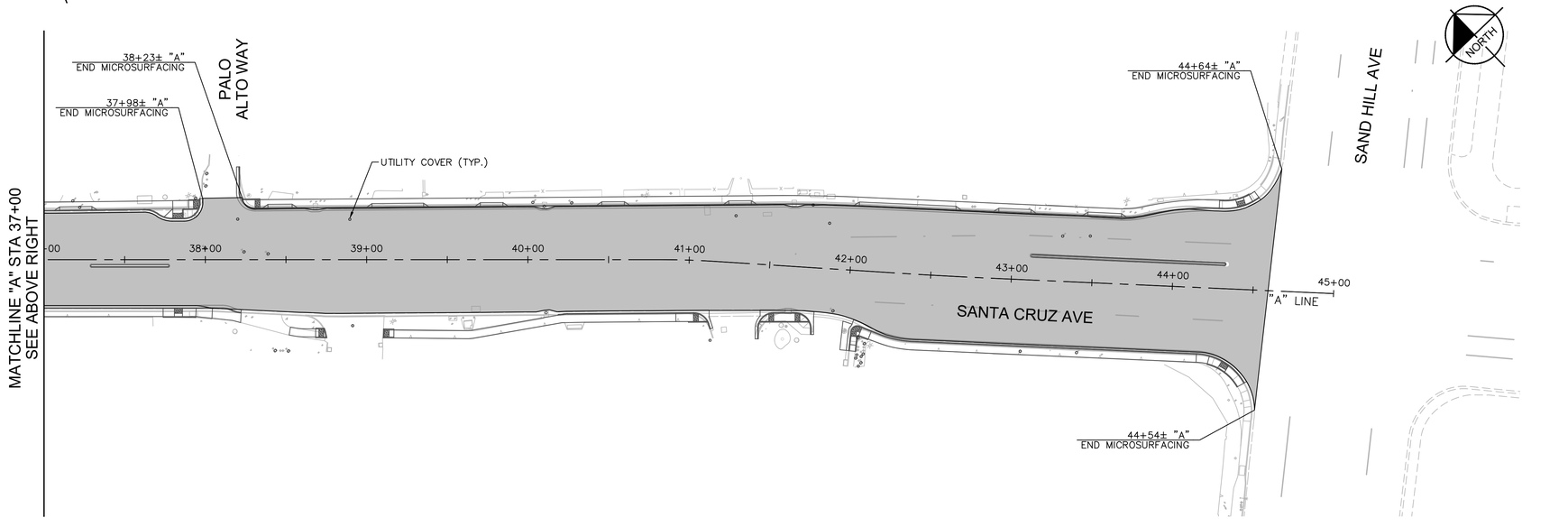
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	PAVEMENT REHABILITATION PLAN
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043
PR-01
SHEET 44 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PR-01.DWG (PR-01)





APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

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7. UNLESS OTHERWISE NOTED, ALL UTILITIES ARE TO REMAIN.
8. SEE SS-SHEETS FOR STRIPING AND PAVEMENT MARKING PLANS.

LEGEND

MICROSURFACING

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

GRAPHIC SCALE IN FEET
0 20 40 80

JOHN PULLIAM
KIMLEY-HORN
R.C.E. # 68897 / EXPIRES 09-30-2023

		DESIGNED BY: CLH/ASP /HW	PAVEMENT REHABILITATION PLAN
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
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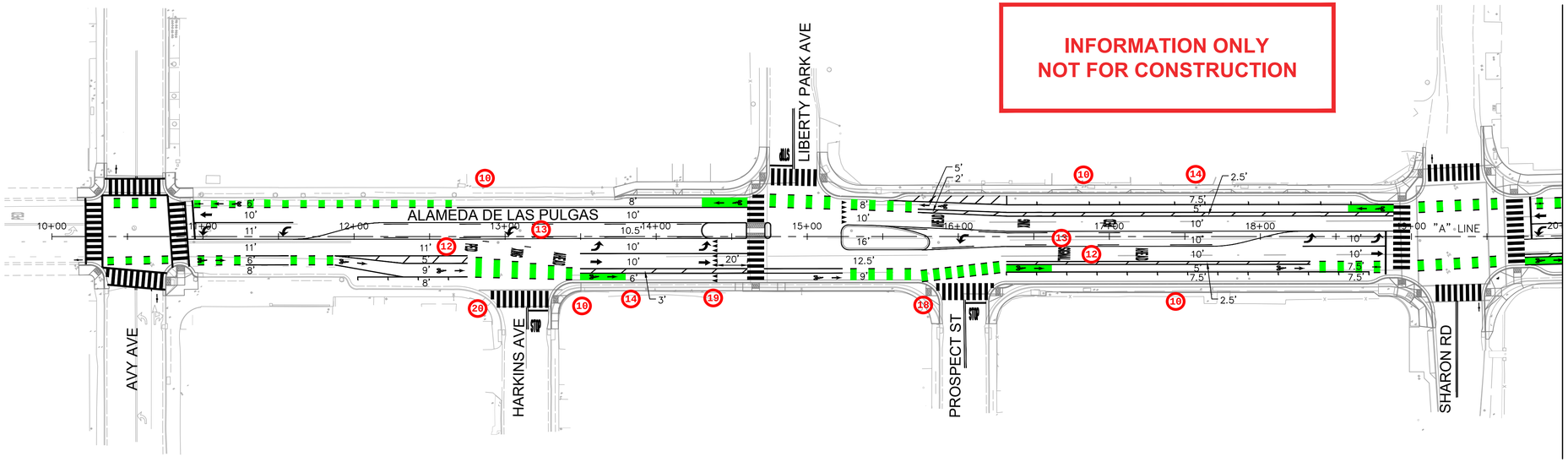
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

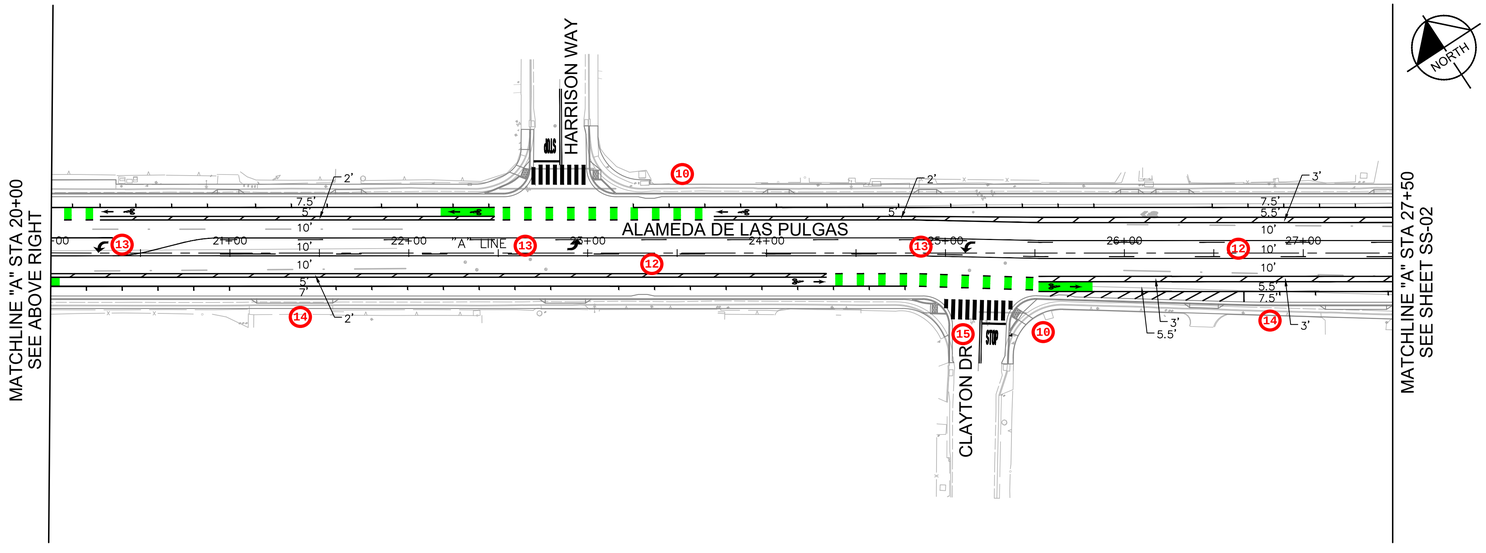
PR-02
SHEET 45 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PR-01.DWG (PR-02)

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION





APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NOTES

1. EXISTING SIGNS SHALL BE PROTECTED IN PLACE UNLESS SPECIFIED FOR REMOVAL OR RELOCATION, OR SPECIFIED TO BE RESET PER PV AND CD SHEETS.
2. EXISTING SIGNS SPECIFIED FOR REMOVAL SHALL NOT BE REMOVED UNTIL NO LONGER PERTINENT TO TRAFFIC CONTROL.
3. DO NOT REMOVE UTILITY LOCATION MARKERS UNLESS OTHERWISE SHOWN ON PV OR CD SHEETS.
4. ALL STRIPING CONFLICTING WITH PROPOSED STRIPING SHALL BE REMOVED BY GRINDING.
5. PAVEMENT MARKINGS PER 2018 CALTRANS STANDARD PLANS UNLESS OTHERWISE SPECIFIED.
6. PAVEMENT DELINEATION SHALL BE THERMOPLASTIC UNLESS SHOWN OTHERWISE.
7. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PROJECT LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON STRIPING SHEETS.
8. UNLESS OTHERWISE NOTED PER THESE PLANS, LANE WIDTHS ARE TO CENTER OF STRIPE OR FACE OF CURB.
9. UNLESS OTHERWISE NOTED PER THESE PLANS, ALL EXISTING UTILITIES TO REMAIN.

(Xx) INSTALL DETAIL NUMBER "XX" PER 2018 CALTRANS STANDARD PLANS RSP A20A TO A20D, UNLESS OTHERWISE NOTED.

STRIPING NOTES

1

SIGNING NOTES

1

TO BE COMPLETED AT NEXT SUBMITTAL

TO BE COMPLETED AT NEXT SUBMITTAL

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\SS-01.DWG (SS-01)

GRAPHIC SCALE IN FEET
0 20 40 80

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER — JOHN C. PULLIAM — No. 68897 — CIVIL — STATE OF CALIFORNIA

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SIGNING AND STRIPING PLAN
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

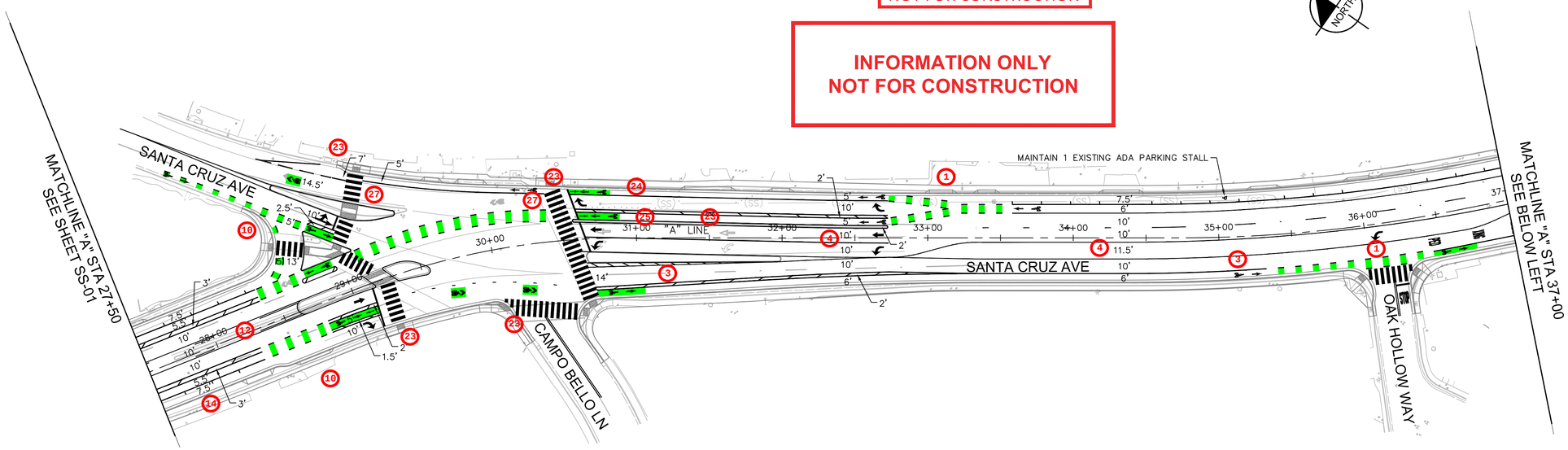
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

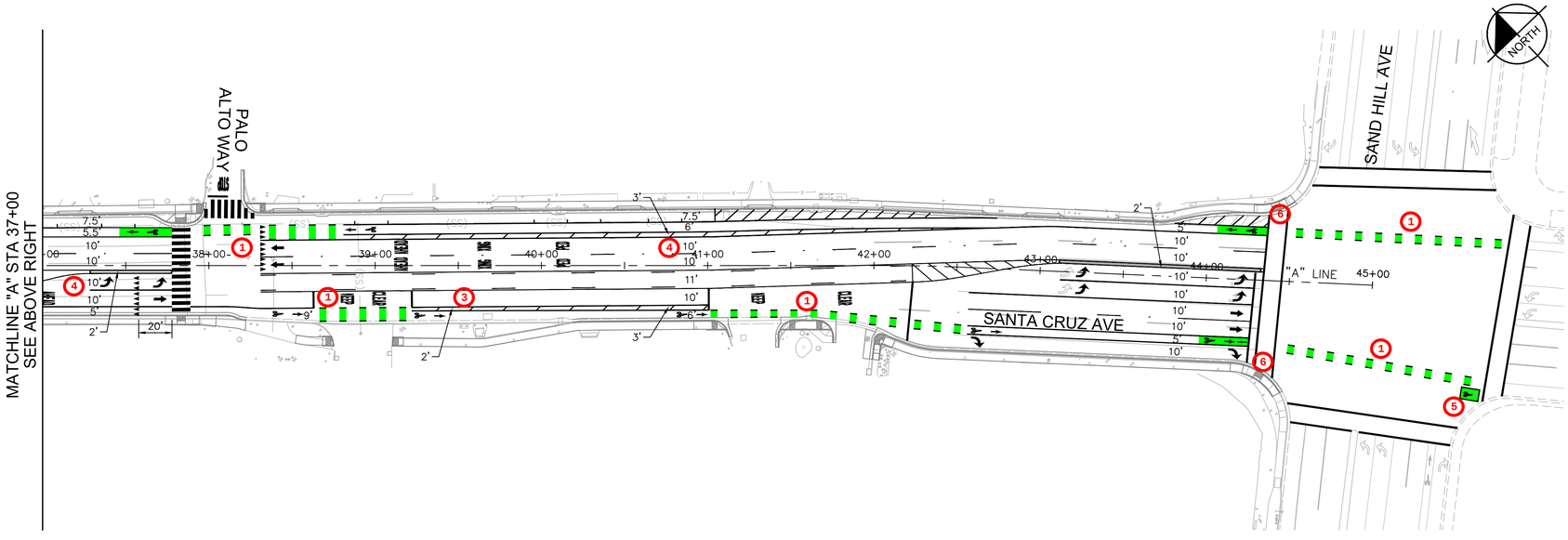
SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

SS-01
SHEET 46 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION





GRAPHIC SCALE IN FEET
0 20 40 80

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

NOTES

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(Xx) INSTALL DETAIL NUMBER "XX" PER 2018 CALTRANS STANDARD PLANS RSP A20A TO A20D, UNLESS OTHERWISE NOTED.

STRIPING NOTES

1

SIGNING NOTES

1

TO BE COMPLETED AT NEXT SUBMITTAL

TO BE COMPLETED AT NEXT SUBMITTAL

FILENAME: K:\BAY_ROW*\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\SS-01.DWG (SS-02)

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	SIGNING AND STRIPING PLAN	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 3/18/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SS-02
SHEET 47 OF 58

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

TO BE COMPLETED AT NEXT SUBMITTAL

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SIGNING AND STRIPING DETAILS
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

SS-03
SHEET 48 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\SS-01.DWG (SS-03)

GENERAL NOTES (TS-01 TO TS-10)

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REVISIONS OF THE 2018 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) REVISED STANDARD PLANS AND STANDARD SPECIFICATIONS, AND THE CITY OF MENLO PARK STANDARD PLANS AND SPECIFICATIONS.
2. ALL SIGN CODES REFER TO THE LATEST 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD) UNLESS OTHERWISE NOTED.
3. REFER TO CALTRANS STANDARD PLANS A3A, A3B, AND A3C FOR KEY TO ABBREVIATIONS AND RSP ES–IA, ES–IB, AND ES–1C FOR KEY TO SYMBOLS.
4. ALL NEW PULL BOXES SHALL BE NO. 6 UNLESS OTHERWISE NOTED.
5. ALL NEW PEDESTRIAN HEADS SHALL BE COUNTDOWN TYPE.
6. ALL NEW PEDESTRIAN PUSH BUTTONS SHALL BE APS. ALL NEW PUSH BUTTONS SHALL BE INSTALLED AT APPROXIMATELY 42" BUT NOT GREATER THAN 48" TALL ON THE SIGNAL POLE. ALL NEW PUSH BUTTONS TO BE INSTALLED ON POLES OUTSIDE OF THE SIDEWALK SHALL BE INSTALLED WITHIN 10" FROM THE BACK OF WALK.
7. CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR SHALL VERIFY EXISTING CONDUITS AND LAY OUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES OR ANY OTHER TRADES.
8. ALL NEW TRAFFIC SIGNAL EQUIPMENT ON SIGNAL POLES THAT IS MOUNTED LESS THAN 15' HIGH MUST HAVE A MINIMUM HORIZONTAL OFFSET OF 2 FEET FROM THE FACE OF THE CURB.
9. TRAFFIC SIGNAL POLE BASE PLATES SHALL BE INSTALLED PARALLEL TO THE STOP BAR, UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
10. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO PURCHASING OF POLES. ENGINEER TO CONFIRM POLE LOCATION PRIOR TO INSTALLATION OF FOUNDATIONS.
11. EXISTING TRAFFIC SIGNALS SHALL REMAIN OPERATIONAL DURING INSTALLATION OF NEW TRAFFIC SIGNAL POLES AND EQUIPMENT.
12. WHEN NEW MAST ARMS ARE REQUIRED TO BE INSTALLED IN FRONT OF EXISTING MAST ARMS, CONTRACTOR SHALL WAIT TO MOUNT MAST ARMS UNTIL DIRECTLY PRIOR TO NEW SIGNAL TURN–ON. NEW MAST ARMS AND EQUIPMENT MAY NOT BLOCK ACTIVE TRAFFIC SIGNAL HEADS AT ANY TIME.
13. ALL CONCRETE DAMAGED DURING CONSTRUCTION, INCLUDING SIDEWALK, CURBS, RAMPS, AND GUTTERS, SHALL BE RESTORED IN KIND TO NEXT JOINT OR SCORELINE AS APPROVED BY THE ENGINEER.
14. CONTRACTOR SHALL SEQUENCE WORK TO MAINTAIN PEDESTRIAN ACCESS AROUND INTERSECTION AT ALL TIMES.
15. CONTRACTOR IS RESPONSIBLE FOR WORKING WITH THE GEOTECHNICAL ENGINEER TO CONFIRM THAT SOIL CONDITIONS WHERE NEW SIGNAL POLES ARE TO BE INSTALLED ARE CONSISTENT WITH THOSE ASSUMED IN THE CALTRANS STANDARD PLAN USERS GUIDE, AND DEVELOP AN ALTERNATIVE SOLUTION IF NEEDED SHOULD EXISTING SOIL CONDITIONS DIFFER FROM THOSE ASSUMED IN THE STANDARD PLAN USERS GUIDE.

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

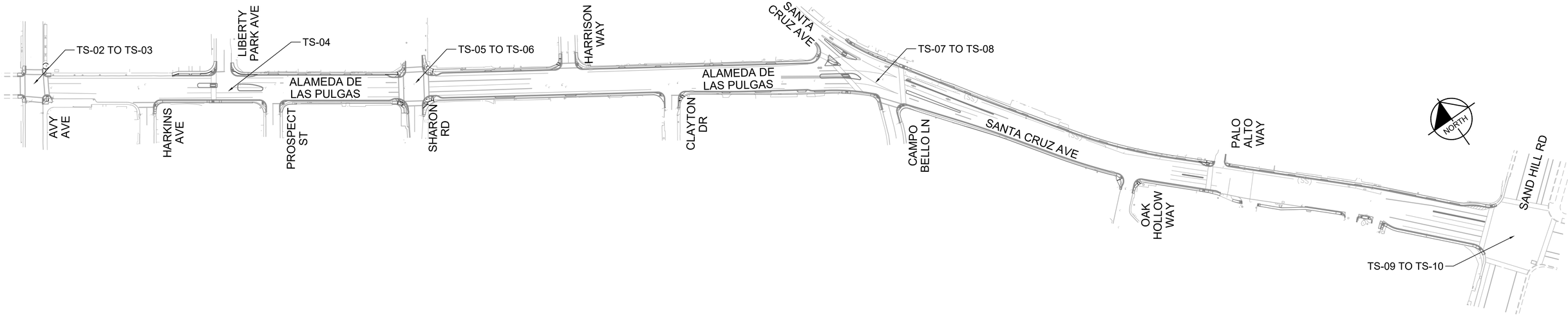
APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION



KEY MAP
NOT TO SCALE

FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JPV\08 CADD\PLANSHEETS\TS-01.DWG (TS-01)

APPROVED DATE:	
NIKITA PETROV	
KIMLEY–HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER
NIKITA A. PETROV
No. 80570
03/31/2023
CIVIL
STATE OF CALIFORNIA

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

COUNTY OF SAN MATEO
PUBLIC WORKS

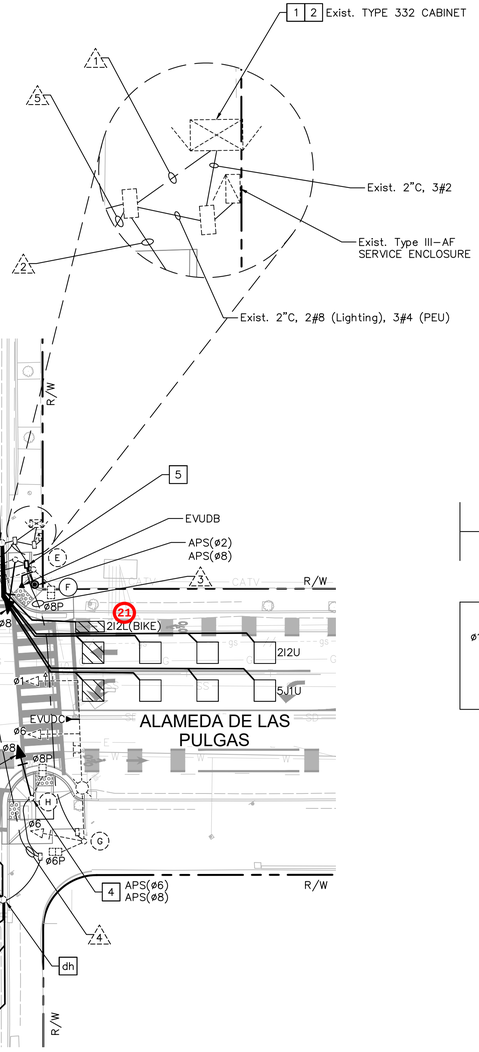
		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN	SCALE: AS SHOWN
		CHECKED BY: NP		DATE: 3/18/2022
		DRAWN BY: YJ		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
REVISION	DATE			
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4				TS-01 SHEET 49 OF 58

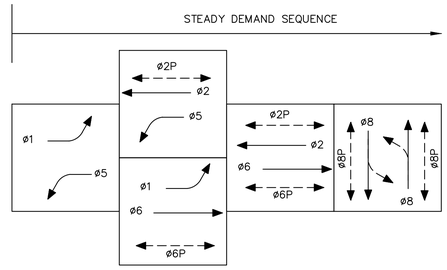
CONSTRUCTION NOTES (THIS SHEET ONLY)

1. FURNISH AND INSTALL NEW BACKUP BATTERY SYSTEM (BBS) CABINET WITH ALL NECESSARY EQUIPMENT ON EXISTING 332 CABINET PER CALTRANS STANDARD PLANS RSP ES-3C. MAKE ALL CONNECTIONS NECESSARY WITHIN THE BBS AND CONTROLLER CABINET FOR A PROPERLY FUNCTIONING SYSTEM.
2. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING CABINET AND PROVIDE ALL CONNECTIONS NECESSARY TO NEW APS BUTTONS.
3. FURNISH AND INSTALL NEW TRAFFIC SIGNAL HEAD ON EXISTING/NEW BRACKET ON EXISTING POLE.
4. FURNISH AND INSTALL NEW APS BUTTON ON EXISTING SIGNAL POLE.
5. REPLACE EXISTING PULL BOX AND FURNISH AND INSTALL NEW PULL BOX.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

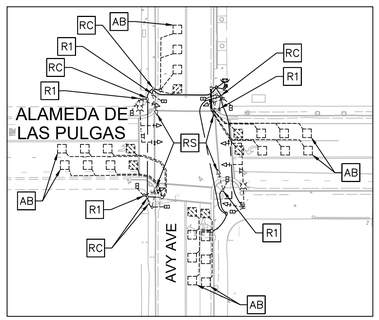
INFORMATION ONLY
NOT FOR CONSTRUCTION





EXISTING PHASE DIAGRAM
(TO REMAIN)

EVUDA = ø2+ø5
EVUDB = ø8
EVUDC = ø6+ø1
EVUDD = ø8



EXISTING SIGNAL EQUIPMENT
SCALE: 1" = 50'

DEMOLITION NOTES:

R1 REMOVE AND SALVAGE EXISTING PUSH BUTTON ONLY. IF NO NEW APS IS TO BE INSTALLED IN ITS PLACE, PLUG HOLE WATERTIGHT. SEE CONSTRUCTION PLANS FOR MORE DETAILS.

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
NIKITA PETROV	
KIMLEY-HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER
NIKITA A. PETROV
No. 80570
03/31/2023
STATE OF CALIFORNIA - CIVIL

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN
		CHECKED BY: NP	
		DRAWN BY: YJ	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043
TS-02
SHEET 50 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\TS-01.DWG (TS-02)

CONDUCTOR SCHEDULE

AWG OR CABLE		NUMBER OF CONDUCTORS RUN NUMBER 1	2	3	4	5	6	7	8
NO. 14	ø1	3	3	3					
	ø2	3				3	3		
	ø5	3				3	3	3	
	ø6	3	3	3					
	ø8	6	6		3	3	3	3	3
	ø2P	4	2			2			
	ø6P	4	2	2		2	2	2	2
	ø8P	4	2		2	2	2	2	
	ø2 APS	4 N	2 N			2 N	2 N		
	ø6 APS	4 N	2 N	2 N		2 N	2 N	2 N	
	ø8 APS	4 N	2 N	2 N		2 N	2 N	2 N	
	PEU					3	3		
	SPARES	6	3	3	3	3	3	3	3
	TOTAL #14	48	27	15	8	27	25	17	8
NO. 8	LIGHTING		2	2					
	SIGNAL NEUTRAL	2	1	1	1	1	1	1	1
	SYSTEM GROUND	2	1	1	1	1	1	1	1
	TOTAL NO. 8	4	4	4	2	2	2	2	2
DLC	1I1U	1				1	1	1	
	2I2U + 2I2L	2							
	5J1U	1							
	6J2U + 6I2L	2				2	2	2	
	8I6U + 8I6L	2	2		2				
	8I7U + 8I6L	2				2			
	TOTAL DLC	10	2		2	5	3	3	
EMERGENCY VEHICLE UNIT DETECTION	EVDUA	1 N				1 N	1 N		
	EVDUB	1 N	1 N						
	EVDUC	1 N	1 N	1 N					
	EVDUD	1 N				1 N	1 N	1 N	
	TOTAL CABLE	4	2	1		2	2	1	
MISC	¼" PULL ROPE	1	1	1	1	1	1	1	1
	CONDUIT FILL (%)	29%	34%	20%	13%	36%	31%	23%	10%
	CONDUIT SIZE (IN)	3"	2"	2"	2"	2"	2"	2"	2"

ALL CONDUITS AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM	LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING MAST ARM	POLE	PEDESTRIAN SIGNAL MOUNT	POLE QUAD	ACCESSIBLE PEDESTRIAN SIGNAL ø	ARROW	POLE QUAD	SNS LEGEND	SPECIAL NOTES
A	19-3-100	30'	6'	73 LED	MAT MAS	SV-1-T	SP-1-T		–	–	–	AVY AV	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL MAST ARM PER CALTRANS STANDARD PLANS RSP ES-4E.
B N	PBAP N	–	–	–	–	–	–	–	2 N / 8 N	→ / ←		–	–
C	1-B	–	–	–	–	TV-2-T	SP-1-T		–	–	–	–	–
D	1-A	–	–	–	–	TV-1-T	SP-1-T		–	–	–	–	–
E	1-B	–	–	–	–	TV-1-T	SP-1-T		–	–	–	–	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL BRACKET PER CALTRANS STANDARD PLANS RSP ES-4E.
F N	PBAP N	–	–	–	–	–	–	–	8 N / 2 N	→ / ←		–	–
G	26A-3-100	45'	15'	73 LED	MAT MAS	SV-1-T	SP-1-T		–	–	–	AVY AV	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL MAST ARM PER CALTRANS STANDARD PLANS RSP ES-4E.
H	1-B	–	–	–	–	TV-1-T	SP-1-T		8 N / 6 N	→ / ←		–	–
I	1-B	–	–	–	–	TV-1-T	SP-1-T		–	–	–	–	–
J	1-B	–	–	–	–	TV-1-T	SP-1-T		–	–	–	–	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL BRACKET PER CALTRANS STANDARD PLANS RSP ES-4E.
K N	PBAP N	–	–	–	–	–	–	–	8 N / 6 N	→ / ←		–	–

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

**INFORMATION ONLY
NOT FOR CONSTRUCTION**

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

REGISTERED PROFESSIONAL ENGINEER NIKITA A. PETROV No. 80570 03/31/2023 CIVIL STATE OF CALIFORNIA

NIKITA PETROV
KIMLEY-HORN
R.C.E. # 097318031 / EXPIRES 03/31/2023

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE

DESIGNED BY: CW
CHECKED BY: NP
DRAWN BY: YJ

TRAFFIC SIGNAL PLAN

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

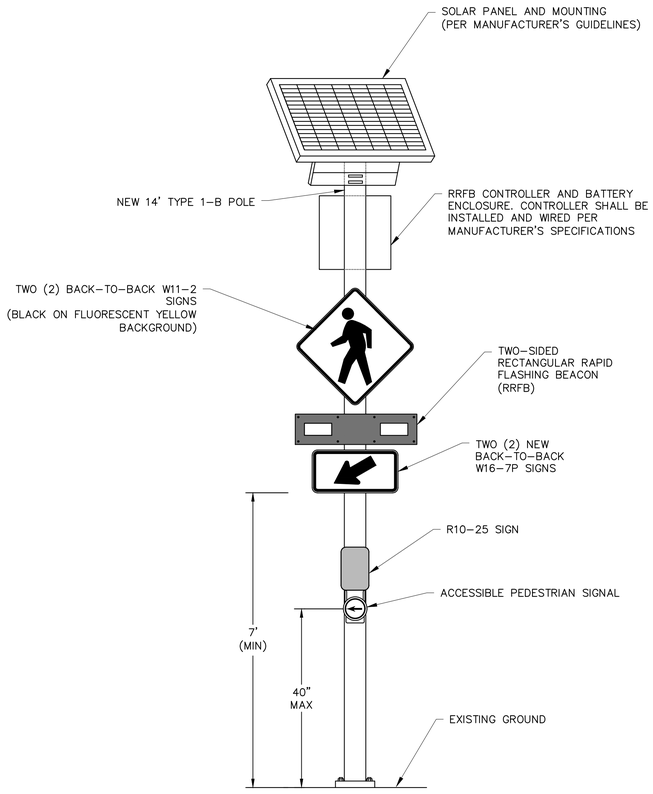
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-03
SHEET 51 OF 58

FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JPV\08 CADD\PLANSHEETS\TS-01.DWG (TS-03)

CONSTRUCTION NOTES (THIS SHEET ONLY)

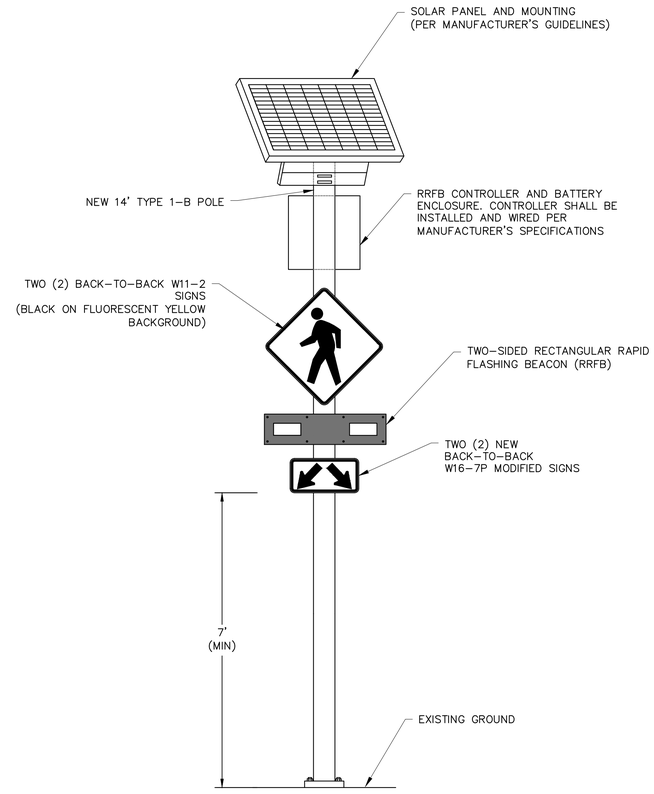
1. FURNISH AND INSTALL NEW TWO-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB), TWO BACK-TO-BACK W11-2 AND W16-7P SIGNS, APS, RRFB CONTROLLER, AND BATTERY ENCLOSURE CONTROLLER ON NEW 14' 1-B POLE. PUSH BUTTON SHALL FACE EAST. RRFB SHALL BE POWERED BY SOLAR. SEE DETAIL A ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
2. FURNISH AND INSTALL NEW TWO-SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB), TWO BACK-TO-BACK W11-2 AND W16-7P SIGNS, RRFB CONTROLLER, AND BATTERY ENCLOSURE CONTROLLER ON NEW 14' 1-B POLE. RRFB SHALL BE POWERED BY SOLAR. SEE DETAIL B ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
3. FURNISH AND INSTALL NEW R1-5A SIGN ON NEW POST.



DETAIL A

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL

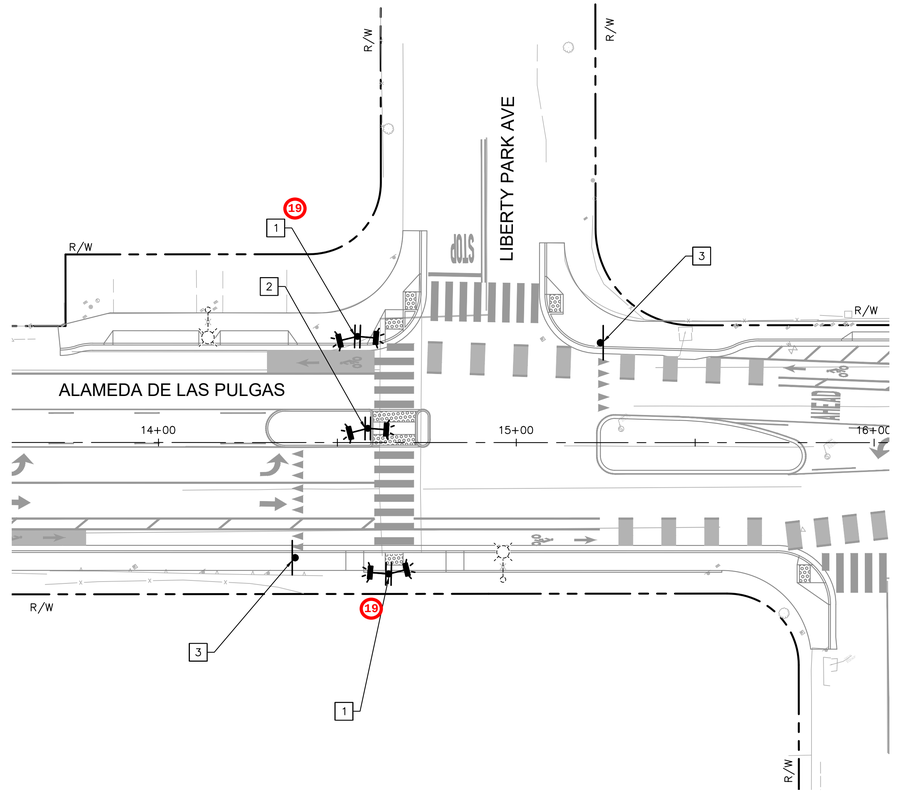
(THIS SHEET ONLY)



DETAIL B

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL (IN MEDIAN)

(THIS SHEET ONLY)



PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
NIKITA PETROV	
KIMLEY-HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER
NIKITA A. PETROV
No. 80570
03/31/2023
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN
		CHECKED BY: NP	
		DRAWN BY: YJ	

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/17/2022
FILE NO.: E5043

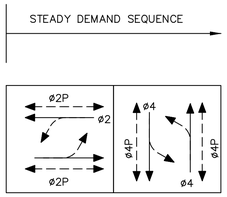
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

TS-04
SHEET 52 OF 58

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JPV\08 CADD\PLANSHEETS\TS-04.DWG (TS-04)

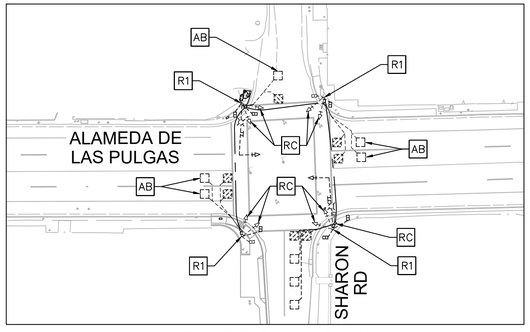
CONSTRUCTION NOTES (THIS SHEET ONLY)

1. FURNISH AND INSTALL NEW BACKUP BATTERY SYSTEM (BBS) CABINET WITH ALL NECESSARY EQUIPMENT ON EXISTING 332 CABINET PER CALTRANS STANDARD PLANS ES-3C. MAKE ALL CONNECTIONS NECESSARY WITHIN THE BBS AND CONTROLLER CABINET FOR A PROPERLY FUNCTIONING SYSTEM.
2. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING CABINET AND PROVIDE ALL CONNECTIONS NECESSARY TO NEW APS BUTTONS.
3. FURNISH AND INSTALL NEW TRAFFIC SIGNAL HEAD ON EXISTING/NEW BRACKET ON EXISTING POLE.
4. FURNISH AND INSTALL NEW APS BUTTON ON EXISTING SIGNAL POLE.
5. REPLACE EXISTING PULL BOX AND FURNISH AND INSTALL NEW PULL BOX.



EXISTING PHASE DIAGRAM
(TO REMAIN)

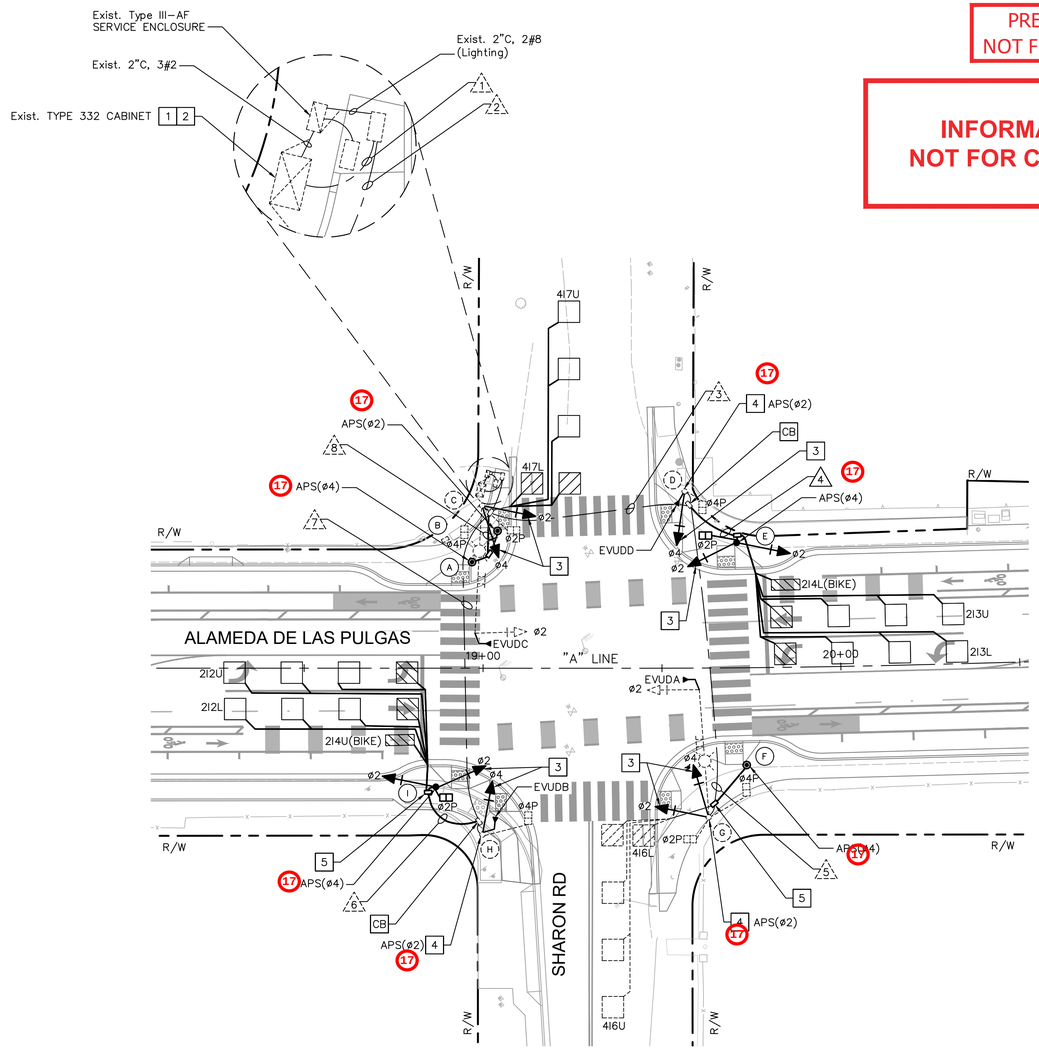
EVUDA = ø2
EVADB = ø4
EVUDC = ø2
EVUDD = ø4



EXISTING SIGNAL EQUIPMENT
SCALE: 1" = 50'

DEMOLITION NOTES:

R1 REMOVE AND SALVAGE EXISTING PUSH BUTTON ONLY. IF NO NEW APS IS TO BE INSTALLED IN ITS PLACE, PLUG HOLE WATERTIGHT. SEE CONSTRUCTION PLANS FOR MORE DETAILS.



APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\TS-05.DWG (TS-05)

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
NIKITA PETROV	
KIMLEY-HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER
NIKITA A. PETROV
No. 80570
03/31/2023
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN
		CHECKED BY: NP	
		DRAWN BY: YJ	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/17/2022
FILE NO.: E5043

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-05
SHEET 53 OF 58

CONDUCTOR SCHEDULE

AWG OR CABLE		NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4 N	5	6 N	7	8
NO. 14	ø2	3	3	3	3	3	3	3	
	ø4	3	3	3		3		3	
	ø2P	2	2	2	2	2	2	2	
	ø4P	2	2	2		2		2	
	ø2 APS N	2 N	2 N	2 N		2 N		2 N	2 N
	ø4 APS N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	
	SPARES	6	3	3	3	3	3	3	3
	TOTAL #14	20	17	17	10	17	10	17	5
NO. 8	LIGHTING		2	2		2			
	SIGNAL NEUTRAL	2	1	1	1	1	1	1	1
	SYSTEM GROUND	2	1	1	1	1	1	1	1
	TOTAL NO. 8	4	4	4	2	4	2	2	2
DLC	2I2U + 2I2L	2	2				2	2	
	2I3U + 2I3L	2	2	2	2				
	2I4L	1	1	1	1				
	2I4U	1	1				1	1	
	4I6U + 4I6L	2	2	2		2			
	4I7U + 4I7L	2	2						
	TOTAL CABLE	10	10	5	3	2	3	3	
EMERGENCY VIDEO UNIT DETECTION	EVUDA	1 N	1 N	1 N		1 N			
	EVDUB	1 N	1 N					1 N	
	EVDUC	1 N	1 N						
	EVDUD	1 N	1 N	1 N					
	TOTAL CABLE	4 N	4 N	2 N		1 N		1 N	
	CONDUIT FILL (%)	21%	20%	32%	16%	24%	16%	22%	7%
	CONDUIT SIZE (IN)	3"	3"	2"	2"	2"	2"	2"	2"

ALL CONDUITS AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIGNAL MAST ARM	STANDARD LUMINAIRE MAST ARM	LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PEDESTRIAN SIGNAL MOUNT	PEDESTRIAN SIGNAL POLE QUAD	ACCESSIBLE PEDESTRIAN SIGNAL ø	ACCESSIBLE PEDESTRIAN SIGNAL ARROW	ACCESSIBLE PEDESTRIAN SIGNAL POLE QUAD	SNS LEGEND	SPECIAL NOTES
(A) N	PBAP N	–	–	–	–	–	–	–	4 N	→	NE	–	–
(B) N	PBAP N	–	–	–	–	–	–	–	2 N	←	SW	–	–
(C)	19–2–100	35'	12'	73 LED	MAS	SV–2–T N	SP–2–T	NW	–	–	–	SHARON	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL MAST ARM PER CALTRANS STANDARD PLANS RSP ES–4E.
(D)	1–A	–	–	–	–	TV–1–T N	SP–1–T	NW	2 N	←	SW	–	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL BRACKET PER CALTRANS STANDARD PLANS RSP ES–4E.
(E) N	1–B N	–	–	–	–	TV–2–T N	SP–1–T N	NW	4 N	→	NE	–	–
(F) N	PBAP N	–	–	–	–	–	–	–	4 N	←	SW	–	–
(G)	19–2–100	35'	12'	73 LED	MAS	SV–2–T N	SP–2–T	NW	2 N	→	NE	SHARON	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL MAST ARM PER CALTRANS STANDARD PLANS RSP ES–4E.
(H)	1–A	–	–	–	–	TV–1–T N	SP–1–T	NW	2 N	←	SW	–	FURNISH AND INSTALL NEW EMERGENCY VEHICLE DETECTION UNIT ON EXISTING SIGNAL BRACKET PER CALTRANS STANDARD PLANS RSP ES–4E.
(I) N	1–B N	–	–	–	–	TV–2–T N	SP–1–T N	NW	4 N	→	NE	–	–

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

REGISTERED PROFESSIONAL ENGINEER — NIKITA A. PETROV — No. 80570 — 03/31/2023 — CIVIL — STATE OF CALIFORNIA

NIKITA PETROV
KIMLEY–HORN
R.C.E. # 097318031 / EXPIRES 03/31/2023

COUNTY OF SAN MATEO — PUBLIC WORKS

REVISION	DATE

DESIGNED BY: CW
CHECKED BY: NP
DRAWN BY: YJ

TRAFFIC SIGNAL SCHEDULE

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 3/17/2022
FILE NO.: E5043

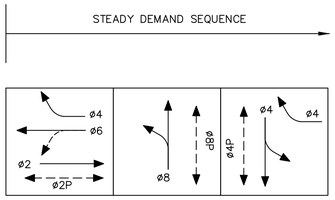
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

TS-06
SHEET 54 OF 58

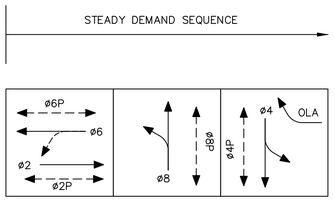
FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JPV\08 CADD\PLANSHEETS\TS-05.DWG (TS-06)

CONSTRUCTION NOTES (THIS SHEET ONLY)

1. FURNISH AND INSTALL NEW BACKUP BATTERY SYSTEM (BBS) CABINET WITH ALL NECESSARY EQUIPMENT ON EXISTING 332 CABINET PER CALTRANS STANDARD PLANS ES-3C. MAKE ALL CONNECTIONS NECESSARY WITHIN THE BBS AND CONTROLLER CABINET FOR A PROPERLY FUNCTIONING SYSTEM.
2. REPLACE EXISTING PULL BOX WITH NEW PULL BOX AS INDICATED ON PLANS. PROTECT ALL WIRES IN PLACE.
3. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING CABINET AND PROVIDE ALL CONNECTIONS NECESSARY TO NEW APS BUTTONS.

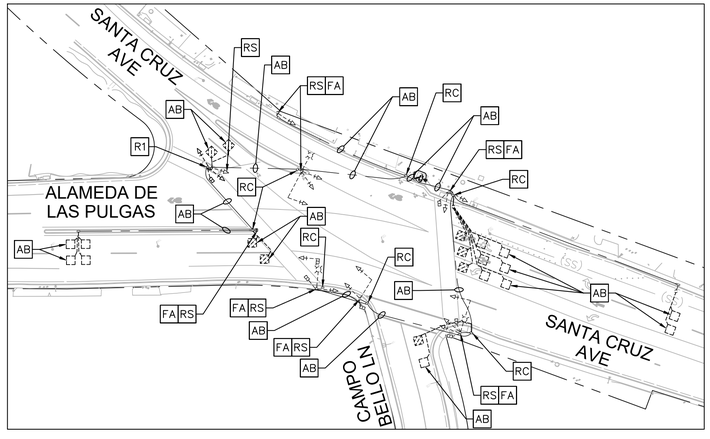


EXISTING PHASE DIAGRAM



26 PROPOSED PHASE DIAGRAM

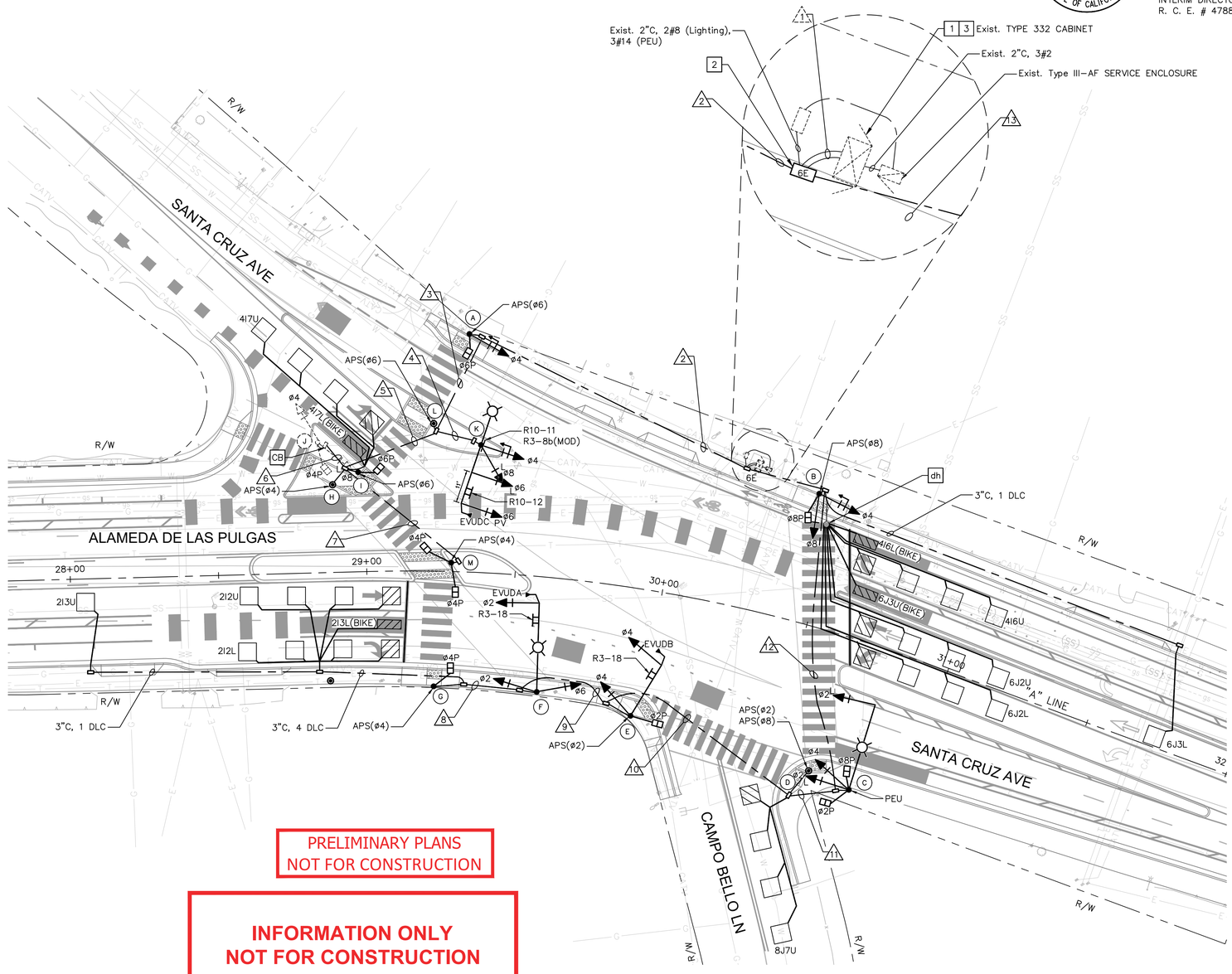
EVUDA = ø2
EVUDB = ø4
EVUDC = ø6



EXISTING SIGNAL EQUIPMENT
SCALE: 1" = 50'

DEMOLITION NOTES:

R1 REMOVE AND SALVAGE EXISTING PUSH BUTTON ONLY. IF NO NEW APS IS TO BE INSTALLED IN ITS PLACE, PLUG HOLE WATERTIGHT. SEE CONSTRUCTION PLANS FOR MORE DETAILS.



PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
NIKITA PETROV	
KIMLEY-HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER NIKITA A. PETROV No. 80570 03/31/2023 CIVIL STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN	SCALE: AS SHOWN
		CHECKED BY: NP		DATE: 3/18/2022
		DRAWN BY: YJ		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
REVISION	DATE			

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-07
SHEET 55 OF 58

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\TS-07.DWG (TS-07)

CONDUCTOR SCHEDULE

AWG OR CABLE		NUMBER OF CONDUCTORS RUN NUMBER												
		1 E	2	3	4	5	6	7	8	9	10	11	12	13
NO. 14	ø2	3								3	3	3	3	3
	ø4	6	3	3		3	3				3	3	3	3
	ø6	6	3	3	3	3	3				3	3	3	3
	ø8	6	3	3	3	3	3							3
	OLA	6	3	3	3									3
	ø2P	2									2	2	2	2
	ø4P	4	2	2		2	2			2	2	2	2	2
	ø6P	2	2	2		2								
	ø8P	2											2	2
	ø2 APS	2									2	2	2	2
	ø4 APS	4	2	2		2		2	2	2	2	2	2	2
	ø6 APS	2	2	2		2								
	ø8 APS	2										2	2	2
	PEU												3	3
	SPARES	6	3	3	3	3	3	3	3	3	3	3	3	3
	TOTAL #14	53	23	23	12	20	14	5	5	10	20	22	27	33
NO. 8	LIGHTING		2	2	2					2	2	2	2	2
	SIGNAL NEUTRAL	2	1	1	1	1	1	1	1	1	1	1	1	1
	SYSTEM GROUND	2	1	1	1	1	1	1	1	1	1	1	1	1
	TOTAL NO. 8	4	4	4	4	2	2	2	2	4	4	4	4	4
DLC	2I2U, 2I2L, 2I3U, 2I3L	4							4	4	4	4	4	4
	4I6U, 4I6L	2												2
	4I7U, 4I7L	2	2	2		2								
	6J2U, 6J2L, 6J3U, 6J3L	4												4
	8J7U	2										1	1	1
	TOTAL CABLE	14	2	2		2			4	4	4	5	5	11
EMERGENCY VIDEO UNIT DETECTION	EVUDA	1								1	1	1	1	1
	EVDUB	1									1	1	1	1
	EVDUC	1	1	1	1									
	TOTAL DLC	3	1	1	1					1	2	2	2	2
	CONDUIT FILL (%)	33%	12%	12%	8%	9%	6%	3%	6%	10%	14%	16%	17%	24%
	CONDUIT SIZE (IN)	2–3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"

ALL POLES AND EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED.

E – EXISTING EQUIPMENT

POLE & EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIGNAL MAST ARM	STANDARD LUMINAIRE MAST ARM	LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PEDESTRIAN SIGNAL MOUNT	PEDESTRIAN SIGNAL POLE QUAD	ACCESSIBLE PEDESTRIAN SIGNAL ø	ACCESSIBLE PEDESTRIAN SIGNAL ARROW	ACCESSIBLE PEDESTRIAN SIGNAL POLE QUAD	SNS LEGEND
A	1–B	–	–	–	–	TV–1–T	SP–1–T		6	→		–
B	1–B	–	–	–	–	TV–2–T	SP–1–T		8	→		–
C	19–3–100	30'	15'	73 LED	MAS	SV–2–T	SP–2–T		–	–	–	–
D	PBAP	–	–	–	–	–	–	–	8 2	→ ←		–
E	16–2–100	20'	–	–	MAS	SV–1–T	SP–1–T		2	←		–
F	24–4–100	30'	15'	73 LED	MAS	SV–2–T	–	–	–	–	–	–
G	1–B	–	–	–	–	–	SP–1–T		4	→		–
H	PBAP	–	–	–	–	–	–	–	4	←		–
I	1–B	–	–	–	–	–	TP–1–T		6	→		–
J E	1–B E	–	–	–	–	SV–2–T E	SP–1–T E		–	–	–	–
K	19–3–100	20'	12'	73 LED	MAS MAS	SV–2–T	–	–	–	–	–	–
L	PBAP	–	–	–	–	–	–	–	6	↔		–
M	1–B	–	–	–	–	–	SP–2–T		4	↔		–

ALL POLES AND EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED.

E – EXISTING EQUIPMENT

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

NIKITA PETROV
KIMLEY–HORN
R.C.E. # 097318031 / EXPIRES 03/31/2023

REGISTERED PROFESSIONAL ENGINEER NIKITA A. PETROV No. 80570 03/31/2023 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CW CHECKED BY: NP DRAWN BY: YJ	TRAFFIC SIGNAL SCHEDULE	SCALE: AS SHOWN DATE: 3/18/2022 FILE NO.: E5043
		ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063	
		FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4		TS-08
SHEET 56 OF 58

FILENAME: K:\BAY_ROWY\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TS–07.DWG (TS–08)

CONSTRUCTION NOTES (THIS SHEET ONLY)

1. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING CABINET AND PROVIDE ALL CONNECTIONS NECESSARY TO NEW APS BUTTONS.
2. FURNISH AND INSTALL NEW EXTENSION BRACKET WITH 90 DEGREE ADAPTOR ON EXISTING SIGNAL POLE. FURNISH AND INSTALL NEW APS BUTTON ON BRACKET.
3. FURNISH AND INSTALL NEW APS BUTTON ON EXISTING SIGNAL POLE.
4. FURNISH AND INSTALL NEW R13(CA) SIGN ON EXISTING SIGNAL POLE.

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

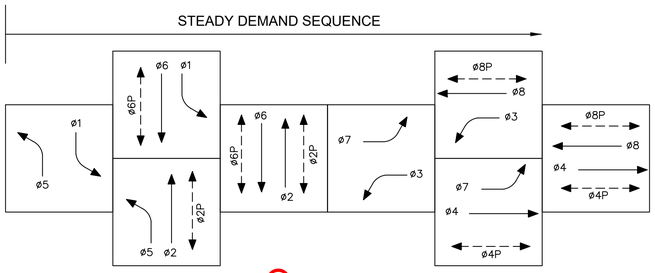
INFORMATION ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:

DATE: _____

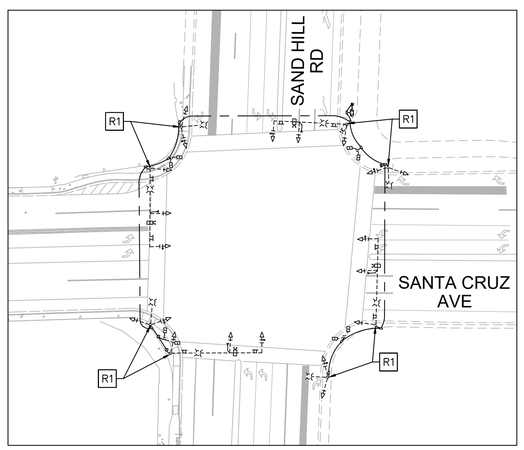
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



⑦ EXISTING PHASE DIAGRAM

(TO REMAIN)

EVUDA = ø2+ø5
EVADB = ø4+ø7
EVUDC = ø1+ø6
EVUDD = ø3+ø8

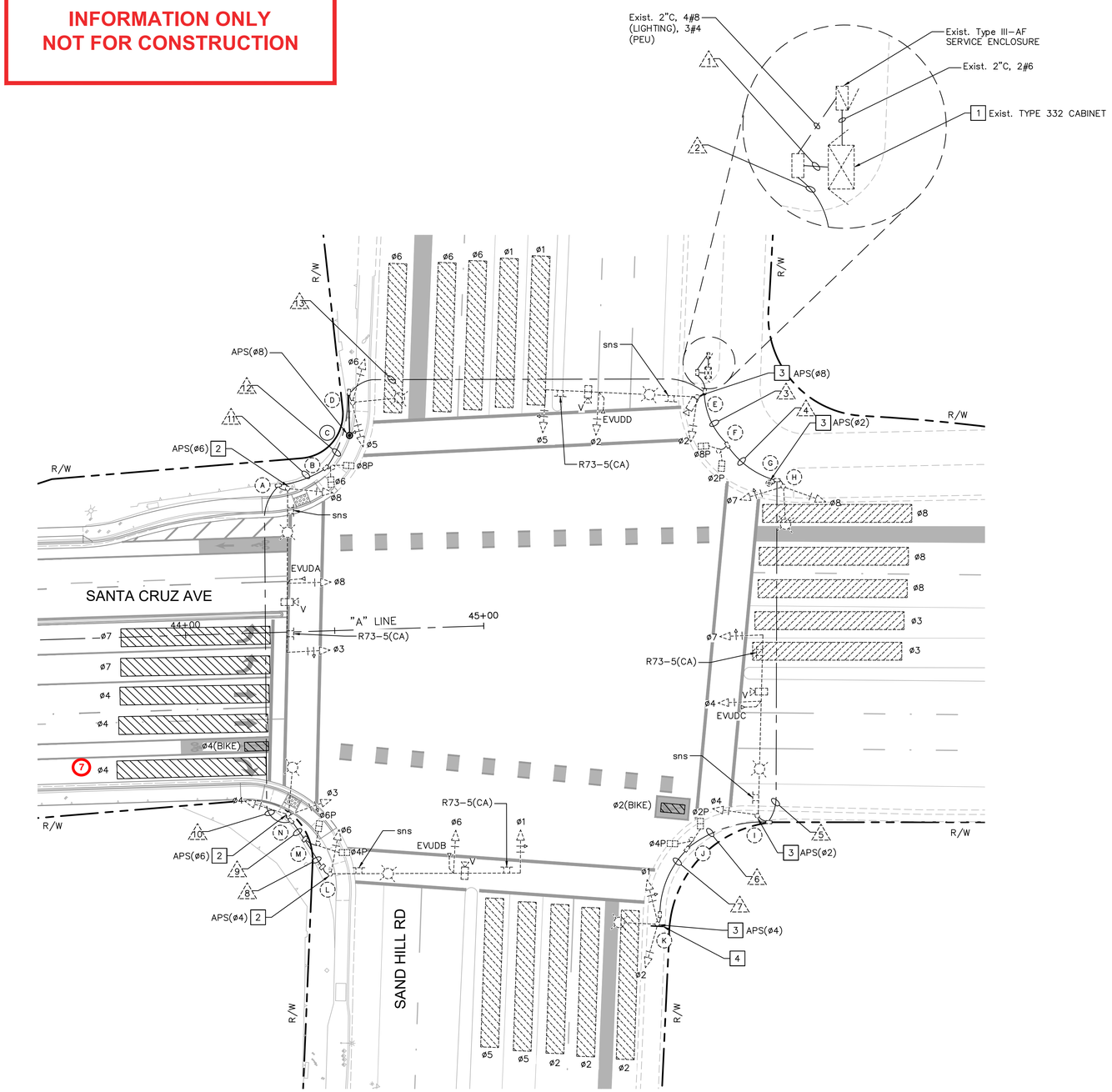


EXISTING SIGNAL EQUIPMENT

SCALE: 1" = 50'

DEMOLITION NOTES:

R1 REMOVE AND SALVAGE EXISTING PUSH BUTTON ONLY. IF NO NEW APS IS TO BE INSTALLED IN ITS PLACE, PLUG HOLE WATERTIGHT. SEE CONSTRUCTION PLANS FOR MORE DETAILS.



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:	
NIKITA PETROV	
KIMLEY-HORN	
R.C.E. # 097318031 / EXPIRES 03/31/2023	

REGISTERED PROFESSIONAL ENGINEER
NIKITA A. PETROV
No. 80570
03/31/2023
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CW	TRAFFIC SIGNAL PLAN
		CHECKED BY: NP	
		DRAWN BY: YJ	

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
0 1 2 3 4

TS-09
SHEET 57 OF 58

FILENAME: K:\BAY_ROW\\097889107 - SANTA CRUZ AVE - JPV\08 CADD\PLANSHEETS\TS-09.DWG (TS-09)

CONDUCTOR SCHEDULE

AWG OR CABLE		NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13
NO. 14	ø1	3	3	3	3	3	3	3	3	3	3	3	3	3
	ø2	3	3	3	3	3	3	3						
	ø3										3	3	3	3
	ø4	3	3	3	3	3					3	3	3	3
	ø5	3	3											3
	ø6	3	3						3	3	3	3	3	3
	ø7	3	3	3	3	3								
	ø8	3	3	3	3							3	3	3
	ø2P	2	2	2	2	2	2							
	ø4P	2	2	2	2	2	2			2	2	2	2	2
	ø6P	2	2							2	2	2	2	2
	ø8P	2	2	2									2	2
	ø2 APS	2 N	2 N	2 N	2 N	2 N								
	ø4 APS	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N
	ø6 APS	2 N	2 N								2 N	2 N	2 N	2 N
	ø8 APS	2 N	2 N	2 N									N	2 N
	SPARES	6	3	3	3	3	3	3	3	3	3	3	3	3
	TOTAL #14	43	40	30	26	23	15	11	11	15	23	26	28	33
NO. 8	LIGHTING		2	2	2	2	2	2	2	2	2	2	2	2
	SIGNAL NEUTRAL	2	2	1	1	1	1	1	1	1	1	1	1	1
	SYSTEM GROUND	2	2	1	1	1	1	1	1	1	1	1	1	1
	TOTAL NO. 8	4	6	4	4	4	4	4	4	4	4	4	4	4
VIDEO DETECTION/ DILEMMA ZONE CAT 5E CABLE	ø1 & ø6 (SB)	1	1						1	1	1	1	1	1
	ø2 & ø5 (NB)	1	1											
	ø3 & ø8 (WB)	1	1									1	1	1
	ø4 & ø7 (EB)	1	1	1	1	1								
	TOTAL CABLE	4	4	1	1	1			1	1	1	2	2	2
EMERGENCY VEHICLE UNIT DETECTION	EVUDA	1	1									1	1	1
	EVUDB	1	1						1	1	1	1	1	1
	EVUDC	1	1	1	1	1								
	EVUDD	1	1											
	TOTAL CABLE	4	4	1	1	1			1	1	1	2	2	2
MISC	1/4" PULL ROPE	1	1	1	1	1	1	1	1	1	1	1	1	1
	CONDUIT FILL (%)	22%	23%	13%	12%	11%	8%	6%	8%	9%	11%	14%	15%	16%
	CONDUIT SIZE (IN)	2–3"	2–3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

INFORMATION ONLY
NOT FOR CONSTRUCTION

POLE & EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIGNAL MAST ARM	STANDARD LUMINAIRE MAST ARM	LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PEDESTRIAN SIGNAL MOUNT	PEDESTRIAN SIGNAL POLE QUAD	ACCESSIBLE PEDESTRIAN SIGNAL ø	ACCESSIBLE PEDESTRIAN SIGNAL ARROW	ACCESSIBLE PEDESTRIAN SIGNAL POLE QUAD	SNS LEGEND
(A)	61–5–129	60'	15'	150 W	MAS MAS	SV–1–T	–	-	8 N	←	NE	SAND HILL RD R73–5(CA)
(B)	1–B	–	–	–	–	–	TP–2–T	NE	-	-	-	–
(C) N	PBAP N	–	–	–	–	–	–	-	6 N	→	NE	–
(D)	15	–	15'	150 W	–	SV–2–T	–	-		-	-	–
(E)	29–5–129	55'	15'	150 W	MAS MAS	SV–1–T	–	-	6 N	←	NE	SANTA CRUZ AVE R73–5(CA)
(F)	1–B	–	–	–	–	–	TP–2–T	NE	-	-	-	–
(G)	PBAP	–	–	–	–	–	–	-	4 N	→	NE	–
(H)	15	–	15'	150 W	–	SV–2–T	–	-		-	-	–
(I)	29–5–129	55'	15'	150 W	MAS MAS	SV–1–T	–	-	4 N	←	NE	SAND HILL RD R73–5(CA)
(J)	1–B	–	–	–	–	–	TP–2–T	NE	-	-	-	–
(K)	15	–	15'	150 W	–	SV–2–T	–	-	2 N	→	NE	–
(L)	61–5–129	60'	15'	150 W	MAS MAS	SV–1–T	–	-	2 N	←	NE	SANTA CRUZ AVE R73–5(CA)
(M)	1–B	–	–	–	–	–	TP–2–T	NE	-	-	-	
(N)	15	–	15'	150 W	–	SV–2–T	–	-	8 N	→	NE	–

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND CALTRANS STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN MOUNTING, SEE CALTRANS STANDARD PLANS.

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

APPROVED:

DATE: _____

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12–31–2023

60% DESIGN
FOR REVIEW ONLY
MARCH 2022

APPROVED DATE:

NIKITA PETROV
KIMLEY–HORN
R.C.E. # 097318031 / EXPIRES 03/31/2023

REGISTERED PROFESSIONAL ENGINEER NIKITA A. PETROV No. 80570 03/31/2023 CIVIL STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CW	CHECKED BY: NP	DRAWN BY: YJ

TRAFFIC SIGNAL SCHEDULE

ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

SCALE: AS SHOWN
DATE: 3/18/2022
FILE NO.: E5043

TS–10
SHEET 58 OF 58

FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TS–09.DWG (TS–10)