



## CITY OF ALBANY CITY COUNCIL AGENDA STAFF REPORT

Agenda date: July 17, 2023  
Reviewed by: NA

**SUBJECT:** San Pablo Avenue Pedestrian Improvements Project Phase I - CIP No. 24010, Authorize Call for Bids for Phase I Construction (C23-08)

**REPORT BY:** Allison Carrillo, CIP Program Manager  
Devora Zauderer, Program Manager  
Mark Hurley, Director of Public Works/City Engineer

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### **SUMMARY**

This report recommends that the Council adopt Resolution No. 2023-53, authorizing the City Manager to approve a Call for Bids for construction of Phase I of the San Pablo Pedestrian Improvements Project (CIP No. 24010).

### **STAFF RECOMMENDATION**

That the Council adopt Resolution No. 2023-53 authorizing the City Manager to approve a Call for Bids for Contract No. C23-08 for the San Pablo Pedestrian Improvements – Phase I, using funds previously appropriated as part of the City’s current five-year Capital Improvement Plan (CIP No. 24010).

### **CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) & NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)**

The project is Categorically Exempt from CEQA pursuant to Section 15301 “Existing Facilities” of the CEQA Guidelines, which exempts the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing streets, sidewalks, and pedestrian crossings. As part of the federal-aid requirements, Caltrans has determined that this project is also a Categorical Exclusion under NEPA: 23 CFR 771.117(c): activity (c)(3).

### **BACKGROUND**

In 2016, the City began design of the San Pablo Avenue and Buchanan Street Complete Streets Project (CIP Project 24001) for pedestrian improvements crossing San Pablo Ave between Brighton and Washington and on Buchanan Street. The project advanced to approximately 90% up through 2019 when the project was subdivided into three phases for implementation due to funding constraints. This change is detailed in the City’s Capital Improvement Plan, adopted in November 2020 (Resolution No. 2020-108), and in the Status Report presented to the Council on May 2, 2022.

The three project phases are detailed as follows:

- **(Phase I)** Brighton Avenue to Portland Avenue: Pedestrian improvements between Brighton and Portland. **Project No. 24010**
- **(Phase II)** Washington Avenue Intersection: Pedestrian and bike improvement at Washington Ave, including a new signal. **Project No. TBD**
- **(Phase III)** Buchanan Street: Pedestrian improvements at Taylor. **Project No. TBD**

In June 2017, the City accepted \$340,000 in federal funding for construction of the project, awarded to the City as part of the One Bay Area Grant 2 (OBAG2) program. Grant funding is administered by the Alameda County Transportation Commission (ACTC) and the Metropolitan Transportation Commission (MTC) and requires compliance with Federal-Aid provisions in the Caltrans Local Assistance Procedures Manual (LAPM).

Staff presented design elements to the Transportation Commission in May 2020. Design remains consistent with past presentations to the Transportation Commission, except for the addition of five curb ramps and an Rectangular Rapid Flashing Beacon (RRFB) at Castro Street that were added during Caltrans field review in March 2021, as described in the next section of this report.

As required by the conditions of the federal funding source and the location of work on Caltrans right-of-way (San Pablo Avenue, i.e. State Route 123), the City has partnered with Caltrans to review and approve construction funding supporting the Phase 1 portion of the project, including a required project field review in March of 2021. At this meeting, Caltrans supported staff's recommendation to add five additional curb ramp improvements to bring all curb ramps within the project limits into compliance with ADA (American Disability Act) standards. Subsequently, project designs were updated to address Caltrans comments and 100% designs were submitted to Caltrans for encroachment permit (EP) review in April of 2022, with approved permit issued in December 2022.

In late-2022, as the Phase 1 project designs were undergoing Caltrans encroachment permit approvals and federal funding authorization reviews, Alameda County Transportation Commission (ACTC) informed City of Albany staff that ACTC had obtained grant funding for design and construction of the Parallel Bike Improvements Project which includes crossing upgrades at the intersection of Clay Street and San Pablo Avenue. The Parallel Bike Improvements Project is currently entering detailed design and construction of the project is anticipated to begin in Summer 2024. City of Albany staff continue to work closely with staff at ACTC to monitor detailed design development on the Parallel Bike Improvements project and coordinate project limits at Clay Street.

In June 2023, the Phase 1 project received federal Authorization to Proceed (E-76). E-76 authorization establishes the date in which Caltrans determines the City has met federal funding requirements for the project and the date after which federal fund expenditures are reimbursable.

## **DISCUSSION**

The Phase 1 project includes installation of new ADA compliant curb ramps at Brighton Avenue, Clay Street, Garfield Avenue, Castro Street, and Portland Avenue and new rapid flashing pedestrian beacons at Portland Avenue and Castro Street, pedestrian refuge areas at Clay Street, Garfield Avenue, and Portland Avenue, and relocation of crosswalks at Brighton Avenue and Clay Street.

With design complete and federal Authorization to Process obtained, the Phase 1 project is ready for Call for Bids. The following are anticipated key dates for the project:

Council Authorization:	July 17, 2023
Notice Publication:	September 5, 2023 and September 12, 2023
Bid Opening:	October 19, 2023
Construction Start (est.):	February 2024

## **ENVIRONMENTAL CLEARANCE:**

The project is Categorical Exempt from CEQA pursuant to Section 15301 “Existing Facilities” of the CEQA Guidelines, which exempts the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing streets, sidewalks, and pedestrian crossings. As part of the federal-aid requirements, Caltrans has determined that this project is also a Categorical Exclusion under NEPA: 23 CFR 771.117(c): activity (c)(3).

## **SUSTAINABILITY CONSIDERATIONS**

Implementation of pedestrian safety and accessibility improvements along San Pablo Avenue is designed to encourage walking and transit use along the corridor. The project involves the removal and replacement of existing asphalt concrete pavement, curbs, gutters, and installation of accessible curb ramps. Accessible curb ramps increase equitable access for users of differing mobility, and increased pedestrian usage reduces motorized travel, thus reducing greenhouse gas emissions.

## **CITY COUNCIL STRATEGIC PLAN INITIATIVES**

This project supports Goal 1, Goal 3, and Goal 6 of the City Council Strategic Plan Initiatives.

### **Goal 1: Advance Climate Action & Adaptation**

The City’s Climate Action & Adaptation Plan serves as an instructional plan that identifies programs and projects that are intended to reduce greenhouse gas emissions, as well as measures to adapt to climate change impacts. Transportation is identified as the highest source of greenhouse gas emissions in Albany and increasing active transportation, such as walking, is a priority. This project improves sidewalk conditions, upgrades curb ramps, and improves pedestrian visibility with the new bulbout and red curb daylighting, all of which enhance accessibility and walkability within the City.

**Goal 3: Promote Streets that Support Safety & Transportation Mobility Options and Goal 6: Increase Public Health, Safety, and Resiliency**

The City’s Local Roadway Safety Plan in connectivity with the Active Transportation Plan (ATP) help guide transportation and mobility enhancement projects within the City. The ATP identifies upgrading sidewalks and curb ramps to meet ADA standards, as is being performed under this project. Reconstructed curb ramps, new striping, and pedestrian crossing improvements will improve the path-of-travel and promote walking in this part of the community. New pedestrian improvements, reduced crossing distances (via bulb-outs and median islands), and enhanced visibility features will collectively increase safety and encourage more walking in our community.

**FINANCIAL SUMMARY**

Budget for Phase I of the San Pablo Pedestrian Improvements Project (CIP No. 24001/24010) was appropriated by Council as part of the City’s Capital Improvement Plan for FY2020-2024, as adopted in November 2020 (Resolution No. 2020-108). Project No. 24010 (for construction) was assigned to differentiate the Phase I project as part of the Status Report presented to the Council on May 2, 2022.

The following are the estimated costs of construction:

Construction	\$ 1,240,000
Construction Mgmt./Inspection	\$ 150,000
Materials Testing	\$ 20,000
Contingency	<u>\$ 124,000</u>
Total Estimated Cost	\$ 1,534,000

As of July 7, 2023, the City has either spent or encumbered approximately \$182,000 of the \$1,350,000 budget appropriated for the project. It is expected that an additional appropriation will be required to cover the costs of construction, which staff will recommend at the time of construction contract award.

**Attachments:**

1. Resolution No. 2023-53
2. San Pablo Pedestrian Improvements – Phase 1 Plans

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**RESOLUTION NO. 2023-53**

**A RESOLUTION OF THE ALBANY CITY COUNCIL AUTHORIZING  
THE CALL FOR BIDS FOR THE SAN PABLO AVENUE PEDESTRIAN  
IMPROVEMENTS PROJECT – PHASE 1 (CIP NO. 24010)**

**WHEREAS**, the City of Albany has been conducting public workshops and developing plans for pedestrian safety improvements and enhanced pedestrian facilities along San Pablo Avenue; and

**WHEREAS**, as detailed in the City’s current five-year Capital Improvement Plan, adopted in November 2020, the City of Albany has decided to phase San Pablo Avenue Improvements to adapt to budget constraints, with Phase I (CIP No. 24010) consisting of pedestrian safety and accessibility improvements along San Pablo Avenue between Brighton Avenue to Portland Avenue (hereinafter referred to as “Phase I Project”); and

**WHEREAS**, City was awarded \$340,000 in federal funding through Round Two of the One Bay Area Grant Program (OBAG2) for construction of the Phase I Project; and

**WHEREAS**, Grant funding for the federal OBAG2 grant requires compliance with Federal-Aid provisions in the Caltrans Local Assistance Procedures Manual (LAPM); and

**WHEREAS**, City has complied with all the LAPM Federal-Aid provisions for the Phase I Project, including Caltrans approval of plans, specifications, and estimate; and

**WHEREAS**, City has received Federal-Aid authorization to proceed with construction (E-76) in June of 2023; and

**WHEREAS**, The project is Categorically Exempt from CEQA pursuant to Section 15301 “Existing Facilities” of the CEQA Guidelines, which exempts the operation, repair,

1 maintenance, permitting, leasing, licensing, or minor alteration of existing streets, sidewalks,  
2 and pedestrian crossings. As part of the federal-aid requirements, Caltrans has determined that  
3 this project is also a Categorical Exclusion under NEPA: 23 CFR 771.117(c): activity (c)(3).  
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5 **NOW, THEREFORE, BE IT RESOLVED**, that the Council authorizes the City  
6 Manager to approve a Call for Bids for Contract No. C23-08 for the San Pablo Pedestrian  
7 Improvements – Phase I, using funds previously appropriated as part of the City’s current five-  
8 year Capital Improvement Plan (CIP No. 24010).  
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	01	53

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

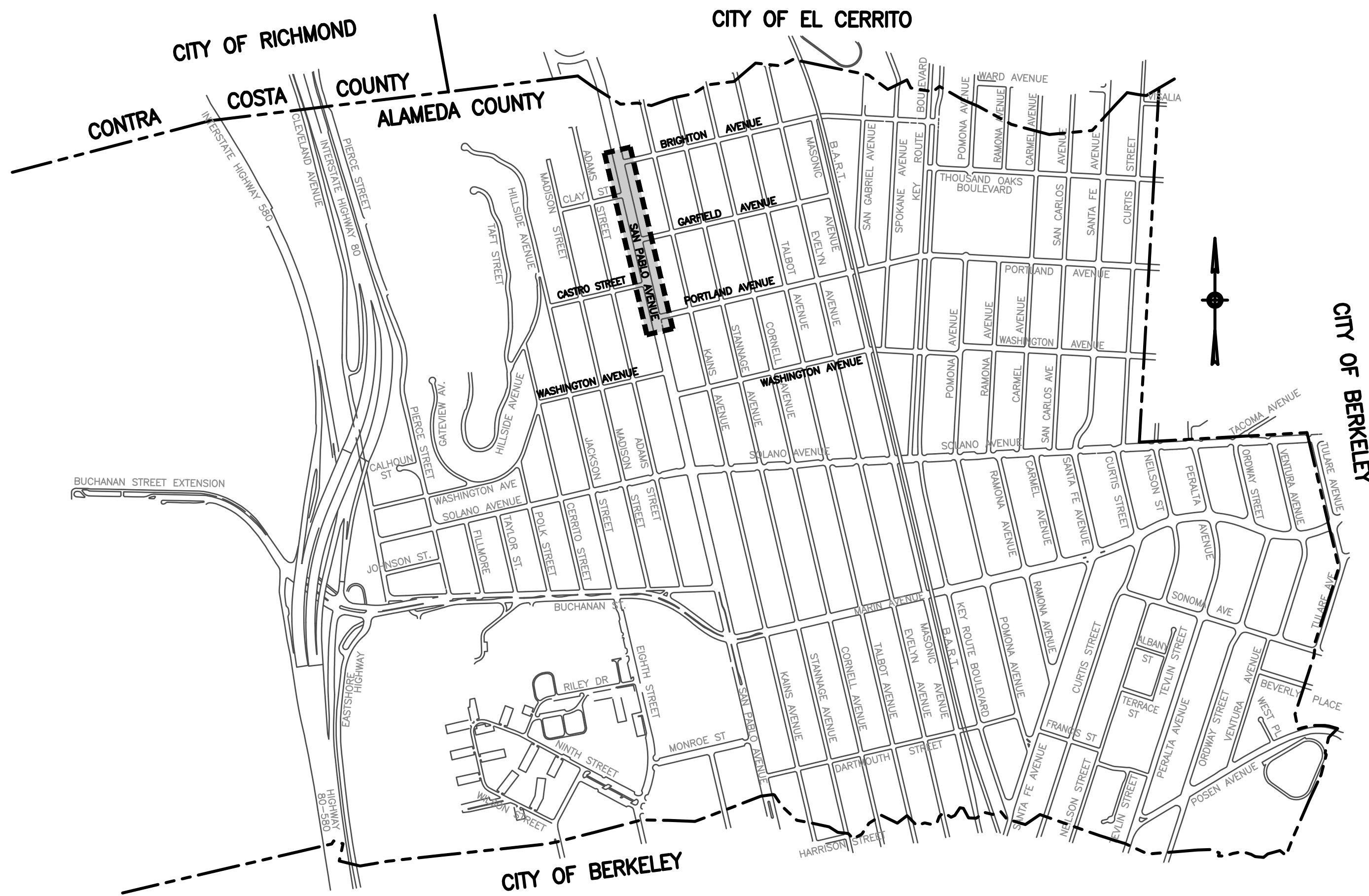
## PROJECT PLANS FOR CONSTRUCTION ON SAN PABLO AVENUE PEDESTRIAN SAFETY IMPROVEMENTS

IN THE CITY OF ALBANY  
IN THE COUNTY OF ALAMEDA  
BETWEEN BRIGHTON AVENUE AND PORTLAND AVENUE  
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018



**SHEET INDEX**

SHT. NO.	SHT. REF.	DESCRIPTION
01	T-1	TITLE SHEET
02	T-2	SHEET INDEX, ABBREVIATIONS, LEGEND
03	T-3	POLLUTION PREVENTION
04	X-1	TYPICAL CROSS SECTIONS
05	X-2	TYPICAL CROSS SECTIONS
06	K-1	KEY MAP
07	PC-1	PROJECT CONTROL
08	DE-1	EXISTING CONDITION AND DEMOLITION PLAN
09	DE-2	EXISTING CONDITION AND DEMOLITION PLAN
10	DE-3	EXISTING CONDITION AND DEMOLITION PLAN
11	DE-4	EXISTING CONDITION AND DEMOLITION PLAN
12	DE-5	EXISTING CONDITION AND DEMOLITION PLAN
13	L-1	LAYOUT PLAN
14	L-2	LAYOUT PLAN
15	L-3	LAYOUT PLAN
16	L-4	LAYOUT PLAN
17	L-5	LAYOUT PLAN
18	C-1	CONSTRUCTION DETAILS
19	C-2	CONSTRUCTION DETAILS
20	C-3	CONSTRUCTION DETAILS
21	C-4	CONSTRUCTION DETAILS
22	C-5	CONSTRUCTION DETAILS
23	C-6	CONSTRUCTION DETAILS
24	C-7	CONSTRUCTION DETAILS
25	C-8	CONSTRUCTION DETAILS
26	C-9	CONSTRUCTION DETAILS
27	C-10	CONSTRUCTION DETAILS
28	C-11	CONSTRUCTION DETAILS
29	TH-1	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
30	TH-2	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
31	TH-3	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
32	TH-4	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
33	TH-5	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
34	TH-6	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
35	TH-7	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
36	TH-8	STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN
37	ECL-1	EROSION CONTROL LEGEND
38	EC-1	EROSION CONTROL PLAN
39	EC-2	EROSION CONTROL PLAN
40	EC-3	EROSION CONTROL PLAN
41	EC-4	EROSION CONTROL PLAN
42	EC-5	EROSION CONTROL PLAN
43	E-1.1	EXISTING TRAFFIC SIGNAL PLAN, SAN PABLO AVENUE AND BRIGHTON AVENUE
44	E-1.2	PROPOSED TRAFFIC SIGNAL PLAN, SAN PABLO AVENUE AND BRIGHTON AVENUE
45	E-1.3	PROPOSED TRAFFIC SIGNAL SCHEDULE, SAN PABLO AVENUE AND BRIGHTON AVENUE
46	E-2.1	EXISTING TRAFFIC SIGNAL PLAN, SAN PABLO AVENUE AND CLAY STREET
47	E-2.2	PROPOSED TRAFFIC SIGNAL PLAN, SAN PABLO AVENUE AND CLAY STREET
48	E-2.3	PROPOSED TRAFFIC SIGNAL SCHEDULE, SAN PABLO AVENUE AND CLAY STREET
49	E-3	PROPOSED TRAFFIC BEACON PLAN, SAN PABLO AVENUE AND CASTRO AVENUE
50	E-4	PROPOSED TRAFFIC BEACON PLAN, SAN PABLO AVENUE AND PORTLAND AVENUE
51	PD-1	SIGNING AND PAVEMENT DELINEATION PLAN, SAN PABLO AVENUE
52	PD-2	SIGNING AND PAVEMENT DELINEATION PLAN, SAN PABLO AVENUE
53	PD-3	SIGNING AND PAVEMENT DELINEATION PLAN, SAN PABLO AVENUE



**VICINITY MAP**  
NOT TO SCALE

**CITY COUNCIL MEMBERS**

Mayor	Rochelle Nason
Vice Mayor	Peggy McQuaid
Councilmember	Michael Barnes
Councilmember	Nick Pilch
Councilmember	Peter Maass

**CITY STAFF**

City Manager	Nicole Almaguer
Community Development Director	Jeff Bond
Public Works Director/City Engineer	Mark Hurley

JOSEPH YOUNG 09/09/2022  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER

*J. Young*



PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

BKF ENGINEERS  
1646 N. CALIFORNIA BOULEVARD, SUITE 400  
WALNUT CREEK, CA 94596  
SAN PABLO AVENUE AND BUCHANAN STREET  
PEDESTRIAN SAFETY IMPROVEMENTS  
ALBANY, CALIFORNIA 94706

<b>CONTRACT No.</b>	<b>XX-XXXXXX</b>
<b>PROJECT ID</b>	<b>XXXXXXXXXX</b>

TITLE SHEET T-1

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

DATE SIGNED	LICENSE Exp DATE	REGISTRATION No.	CALTRANS DESIGN OVERSIGHT APPROVAL	CONSULTANT DESIGN ENGINEER
				JASON T. WHITE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:21 pm

**GENERAL NOTES**

- ALL WORK IS TO BE DONE UNDER THE DIRECTION OF THE ENGINEER.
- CALTRANS STANDARD SPECIFICATIONS 2018 AND STANDARD PLANS, 2018 EDITIONS, AND THE SUBSEQUENT ERRATA ARE PART OF THESE PLANS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES DURING CONSTRUCTION. PROPER REPAIR SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY.
- ALL PIPELINES AND OTHER UNDERGROUND FACILITIES MAY NOT BE SHOWN. EXISTING UNDERGROUND FACILITIES AS SHOWN ARE APPROXIMATE ONLY AND WERE OBTAINED FROM AVAILABLE UTILITY RECORDS. HOWEVER, THE CITY OF ALBANY ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITIES AND TO HAVE ALL FACILITIES LOCATED IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.
- SLOPES OF ALL EMBANKMENT FILL SHALL BE 2:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. SLOPES OF ALL EMBANKMENT CUTS SHALL BE 3:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ATTENTION IS DIRECTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 19, FOR EMBANKMENT CONSTRUCTIONS WHERE APPLICABLE.
- SEE SPECIFICATIONS FOR DETAILS NOT SHOWN HEREIN.
- ALL POLES, VALVES, BOXES WITHIN THE PROJECT AREA WILL BE REMOVED, RELOCATED, OR ADJUSTED TO GRADE OF NEW IMPROVEMENTS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE THE PROJECT LIMIT.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOBSITE.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF THE WORK PERFORMED BY HIS SUBCONTRACTORS, WITHOUT EXCEPTION.
- THE CONTRACTOR SHALL IDENTIFY A RESPONSIBLE CONTACT PERSON, WHO IS AN EMPLOYEE OF THE CONTRACTOR, AND A 24-HOUR TELEPHONE NUMBER TO CALL TO RESOLVE PROBLEMS WITH NOISE, DUST OR OTHER CONSTRUCTION-RELATED ISSUES. THIS SIGN SHALL BE APPROVED BY THE CITY IS REPRESENTATIVE PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE RIGHTS-OF-WAY AND EASEMENTS OBTAINED FOR THIS PROJECT UNLESS OTHERWISE SHOWN. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, VEHICLES AND EQUIPMENT, LIMITS OF TRENCH EXCAVATIONS, AND STOCKPILED NEW MATERIAL.
- THE CONTRACTOR SHALL PROVIDE PROTECTION DEVICES INCLUDING BARRICADES, FENCING, WARNING SIGNS, LIGHTS, FLAGGERS OR OTHER ITEMS NECESSARY TO ENSURE PUBLIC SAFETY WITHIN THE PROJECT SITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FIXTURES, EQUIPMENT, CONCRETE SIDEWALK, CONCRETE DRIVEWAY, CONCRETE CURB & GUTTER, AND AC PAVING TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE CITY'S REPRESENTATIVE, AT NO ADDITIONAL COST TO THE CITY.
- PER CITY OF ALBANY MONUMENT PRESERVATION POLICY, EXISTING SURVEY MONUMENTS SHALL BE PRESERVED, REFERENCED, OR REPLACED BY THE CONTRACTOR. A COPY OF THE CURRENT CITY POLICY ON MONUMENT PRESERVATION WILL BE PROVIDED IN THE STANDARD SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR SHALL FOLLOW SPECIFIED POLICY. CONTRACTOR SHALL CONFORM TO THE CITY OF ALBANY MONUMENT PRESERVATION POLICY AND PRESERVE ALL SURVEY MARKERS AND MONUMENTATION. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY EXISTING FEDERAL, STATE, COUNTY, AND PRIVATE LAND SURVEY MARKER REQUIRING RESETTLE. SEE CITY OF ALBANY STANDARD SPECIFICATIONS SECTION 9-9 AND CALTRANS STANDARD SPECIFICATIONS 2018 SECTION 5-1.36D.
- CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THE HOURS OF 8:00 AM TO 6:00 PM, MONDAY THROUGH SATURDAYS AND 10:00 AM TO 6:00 PM SUNDAYS AND LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER
- DUST SHALL BE CONTROLLED AND ADJOINING STREET AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF PROJECT DIRT, MUD, MATERIALS AND DEBRIS, TO THE SATISFACTION OF THE COMMUNITY DEVELOPMENT DIRECTOR.

**APPROVAL / COORDINATION NOTES**

- THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICE ALERT AT 1-(800) 227-2600 AT LEAST 5 DAYS PRIOR TO CONSTRUCTION AND 48 HOURS PRIOR TO ANY EXCAVATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES, PRIOR TO PERFORMING ANY WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATION AND ORDINANCES WHICH APPLY TO ANY WORK PERFORMED UNDER THE CONTRACT. EACH INTERNAL COMBUSTION ENGINE USED ON THE PROJECT SHALL BE EQUIPPED WITH A MUFFLER RECOMMENDED BY THE MANUFACTURER. NO INTERNAL COMBUSTION ENGINE SHALL BE OPERATED ON THE PROJECT WITHOUT SAID MUFFLER. NOISE LEVELS SHALL BE KEPT TO THE SATISFACTION OF THE CITY ENGINEER.
- ALL WORK SHALL CONFORM TO THE CITY OF ALBANY STANDARD SPECIFICATIONS DATED DECEMBER 2015, THE CITY OF ALBANY STANDARD DETAILS, AND THE 2018 CALTRANS STANDARD SPECIFICATIONS WHEN REFERENCED.
- COORDINATE ALL WORK INVOLVING UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.
- PROVIDE TEMPORARY SIGNS, CONES BARRICADES AND ADVANCE WARNING SIGNS PER CALTRANS REQUIREMENTS.
- OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. CALL (800) 642-2444, A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR SHALL EXPOSE ALL POTENTIAL UTILITY CONFLICT CROSSINGS AS WELL AS CONNECTION POINTS TO EXISTING UTILITIES. HE SHALL COORDINATE WITH ENGINEER TO LOCATE AND VERIFY DEPTHS. ENGINEER SHALL THEN MAKE ANY REVISIONS TO HIS DESIGN PRIOR TO CONSTRUCTION. ALL REVISIONS MUST BE APPROVED BY THE CITY OF ALBANY PUBLIC WORKS
- MAINTAIN ONE TEN-FOOT TRAFFIC LANE IN EACH DIRECTION IN PUBLIC STREETS AT ALL TIMES DURING WORKING HOURS OR PROVIDE FLAGGERS PER CALTRANS REQUIREMENTS.

**APPROVAL / COORDINATION NOTES (CONT.)**

- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO STARTING ANY WORK IN THE PUBLIC STREETS.
- NO OPEN EXCAVATION SHALL BE LEFT UNSUPERVISED AT ANY TIME.
- PRUNING OF TREE ROOTS & BRANCHES SHALL BE APPROVED IN ADVANCE AS DIRECTED BY THE CITY.

**TREE PROTECTION NOTES**

- ARBORIST: CONTRACTOR SHALL MAKE PROVISIONS IN HIS BID TO RETAIN A LICENSED CERTIFIED, CITY APPROVED ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION. NO EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREA(S). NO TREE PRUNING, REMOVAL OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORIST DIRECTION, RECOMMENDATIONS OR APPROVAL.
- TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
- ADVANCE MARKING: CONTRACTOR'S ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO EXCAVATION.
- PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY CONTRACTORS ARBORIST.
- CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE CONTRACTORS ARBORIST.
- STORAGE: THE AREA UNDER THE DRIP LINE OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS NOR CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED
- TREE DAMAGE: ANY DAMAGE OF EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE CONTRACTORS ARBORIST.

**SURFACE RESTORATION NOTES**

- ALL PAVEMENT CUTS SHALL BE SAWCUT, SMOOTH AND VERTICAL. THE PAVEMENT AREA BEING REMOVED SHALL BE RECTANGULAR, UNLESS SHOWN OTHERWISE ON PLANS.
- CONTRACTOR SHALL RESTORE ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS TO THEIR EXISTING CONDITION OR BETTER. THIS INCLUDES, BUT IS NOT LIMITED TO ALL LANDSCAPING, IRRIGATION, DRIVEWAYS, AC PAVING, CONCRETE WORK AND UTILITIES UNLESS NOTED OR DIRECTED OTHERWISE BY THE CITY'S REPRESENTATIVE.
- RIMS OF EXISTING UTILITY BOXES AND OTHER RELATED APPURTENANCES THAT ARE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE ADJUSTED TO FINISH GRADES TO MAINTAIN ACCESSIBLE PATH. ANY DAMAGE RESULTING TO EXISTING UTILITY FACILITIES FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE APPROPRIATE AGENCY AT NO ADDITIONAL COST TO THE CITY OR UTILITY OWNER.
- ALL MANHOLES, VALVES AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE AFTER/DURING PAVING AND TO MAINTAIN ACCESSIBLE PATH.
- PROVIDE SMOOTH CONFORM TO EXISTING AC PAVEMENT.

**ABBREVIATIONS**

AB	AGGREGATE BASE	LUM	LUMINARIES
AC	ASPHALT CONCRETE	MAS	MAST ARM MOUNTED VEHICLE
AT&T	AMERICAN TELEPHONE & TELEGRAPH	MAX	SIGNAL FACES SIDE ATTACHMENT
AWG	AMERICAN WIRE GAUGE	MIN	MAXIMUM
BC	BEGINNING OF CURVE	MH	MANHOLE
BFP	BACKFLOW PREVENTOR	MON	MONUMENT
BVC	BEGINNING OF VERTICAL CURVE	MTG	MOUNTING
BW	BACK OF SIDEWALK	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
C&G	CURB AND GUTTER		
CA	CALIFORNIA	NIS	NOT TO SCALE
CB	CATCH BASIN	OC	ON CENTER
CL	CENTER LINE	OH	OVERHEAD LINE
CLF, CL	CHAIN LINK FENCE	PB	PULL BOX
CO	CLEANOUT	PCR	PORTLAND CEMENT CONCRETE CONTROL DEVICES
COA	COUNTY OF ALAMEDA	PCC	POINT OF CURVE RETURN
CONC	CONCRETE	PCD	PEDESTRIAN
CR	CURB RETURN	PPB	PEDESTRIAN PUSH BUTTON
DH	DETECTOR HANDHOLD	PG&E	PACIFIC GAS AND ELECTRIC
DI	DRAINAGE INLET	PGL	PROFILE GRADE LINE
DIA	DIAMETER	PR	PROPOSED
DLC	LOOP DETECTOR LEAD-IN CABLE	PRC	POINT OF REVERSE CURVATURE
DW	DOMESTIC WATER	PT	POINT
DWY	DRIVEWAY	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	PVI	POINT OF VERTICAL INTERSECTION
E	ELECTRIC	R	RADIUS
EB	ELECTRICAL BOX	RCP	REINFORCED CONCRETE PIPE
EBMUD	EAST BAY MUNICIPAL UTILITY DISTRICT	RR	RAILROAD
EC	END OF CURVE	RT	RIGHT
ELEV	ELEVATION	ROW, RW	RIGHT OF WAY
EP	EDGE OF PAVEMENT	S	SLOPE
EQUIP	EQUIPMENT	SCH	SCHEDULE
ESMT	EASEMENT	SD	STORM DRAIN
EV	ELECTRICAL	SDMH	STORM DRAIN MANHOLE
EVC	END OF VERTICAL CURVE	SHDLR	SHOULDER
EVP	EMERGENCY VEHICLE PREEMPTION	SS	SANITARY SEWER
EX	EXISTING	SHT	SHEET
FC	FACE OF CURB	SIC	SIGNAL INTERCONNECT CABLE
FG	FINISHED GRADE	SIG	SIGNAL
FH	FIRE HYDRANT	SSMH	SANITARY SEWER MANHOLE
FHWA	FEDERAL HIGHWAY ADMINISTRATION	SW, SW	SIDEWALK
FL	FLOW LINE	STA	STATION
FS	FINISHED SURFACE	STND	STANDARD
FT	FOOT/FEET	T	TELEPHONE
G	GAS LINE	TC	TOP OF CURB
GB	GRADE BREAK	TCB	TRAFFIC CONTROL BOX
GM	GAS METER	TOU	TIME OF USE
GV	GAS VALVE	TSB	TRAFFIC SIGNAL BOX
HMA	HOT MIXED ASPHALT	TWLT	TWO WAY LEFT TURN LANE
HORIZ	HORIZONTAL	TYP	TYPICAL
HP	HIGH POINT	UB	UTILITY BOX
HPF	HIGH PRIORITY FACILITY	UPRR	UNION PACIFIC RAILROAD
HPS	HIGH PRESSURE SODIUM	UR	UTILITY RELOCATION
ISNS	INTERNALLY ILLUMINATES STREET NAME SIGN	UT	UTILITY
INV	INVERT GRADE ELEVATION	VC	VERTICAL CURVE
JP	JOINT POLE	VCP	VITRIFIED CLAY PIPE
L	LENGTH OF CURVE	VEH	VEHICLE
LF	LINEAR FEET	VERT	VERTICAL
LG	LIP OF GUTTER	VLT	VAULT
LP	LOW POINT	W	WATER
LT	LEFT	WM	WATER METER
		WW	WATER VALVE

**LEGEND**

**EXISTING**

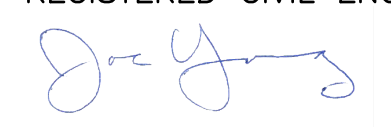


	RIGHT OF WAY LINE / STATE RIGHT OF LINE
	GAS LINE
	ELECTRICAL LINE
	STORM DRAIN LINE
	SANITARY SEWER LINE
	TELEPHONE LINE (AT&T)
	DOMESTIC WATER LINE
	CHAIN LINK FENCE
	VERTICAL CURB
	CONCRETE CURB AND GUTTER
	UTILITY MANHOLE
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	TELEPHONE MANHOLE
	JOINT POLE
	ELECTRICAL BOX
	GUY WIRE
	SANITARY SEWER CLEANOUT
	WATER METER
	WATER VALVE
	FIRE HYDRANT
	GAS VALVE
	ELECTROLIER
	TREE WITH DIAMETER
	SIGN
	VEHICLE SIGNAL FACE
	PEDESTRIAN HEAD

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	02	53
JOSEPH YOUNG			09/09/2022		
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<p><i>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</i></p>					
		1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com		1646 N CALIFORNIA BLVD, SUITE 400 WALNUT CREEK, CA. 94596	

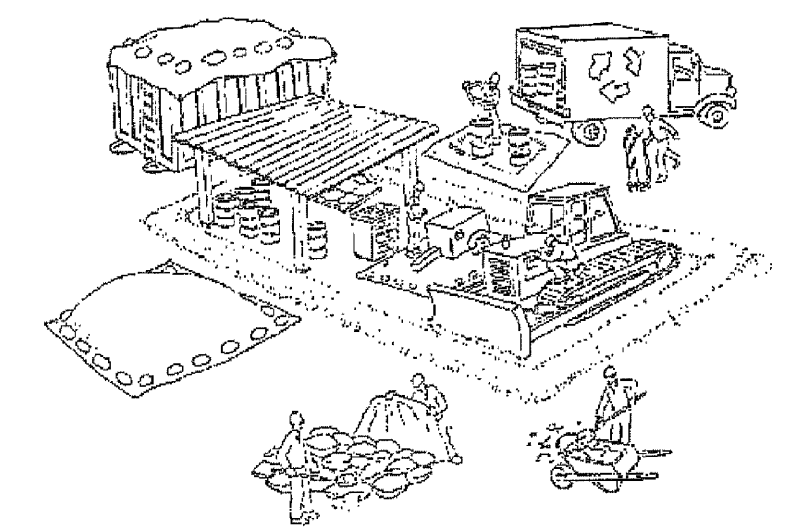


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - CONSULTANT FUNCTIONAL SUPERVISOR - JASON T. WHITE  
 CHECKED BY - JOSEPH K. YOUNG  
 REVISIONS: CAM 7/13/2022  
 JOHNSON, ALBERTA - SAN-PUBLIC-WORKS-SHEETS-03-TS-04-09 07 Sep 2022 3:01:59pm  
 BKF

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	03	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
 PLANS APPROVAL DATE  
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# Pollution Prevention - It's Part of the Plan



## Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

### Materials storage & spill cleanup

- Non-hazardous materials management**
- ✓ Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
  - ✓ Use (but don't overuse) reclaimed water for dust control as needed.
  - ✓ Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
  - ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
  - ✓ Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
  - ✓ Cover all dumpsters with a tarp at the end of every work day or during wet weather.

- Hazardous materials management**
- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
  - ✓ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
  - ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
  - ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

- Spill prevention and control**
- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc. ) available at the construction site at all times.
  - ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
  - ✓ Dispose of all containment and cleanup materials properly.
  - ✓ Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

- Construction Entrances and Perimeter**
- ✓ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
  - ✓ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

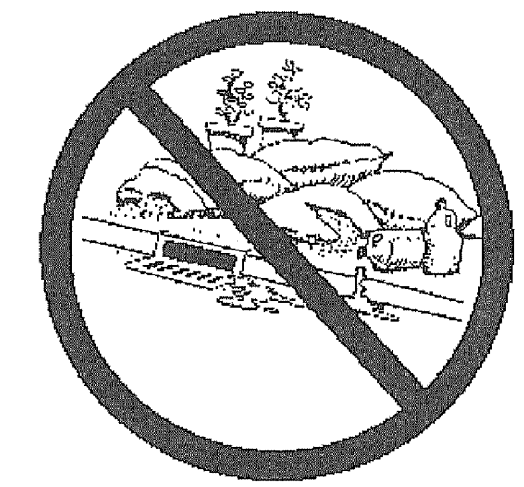
### Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



### Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it will not collect in the street.
- ✓ Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.
- ✓ Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.



### Dewatering operations

- ✓ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

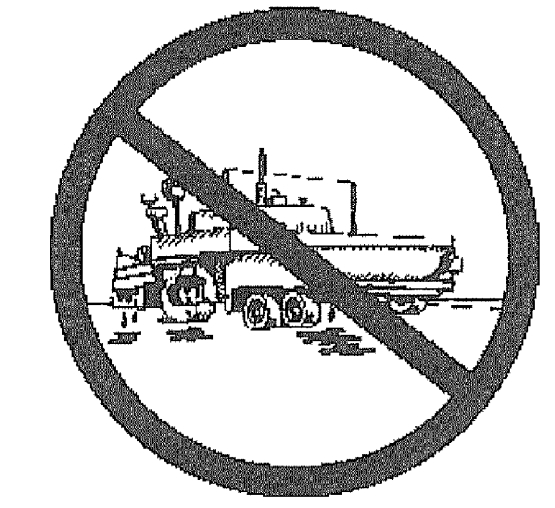


### Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

### Paving/asphalt work

- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.



### Concrete, grout, and mortar storage & waste disposal

- ✓ Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.
- ✓ Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.



### Painting

- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



### Landscape Materials

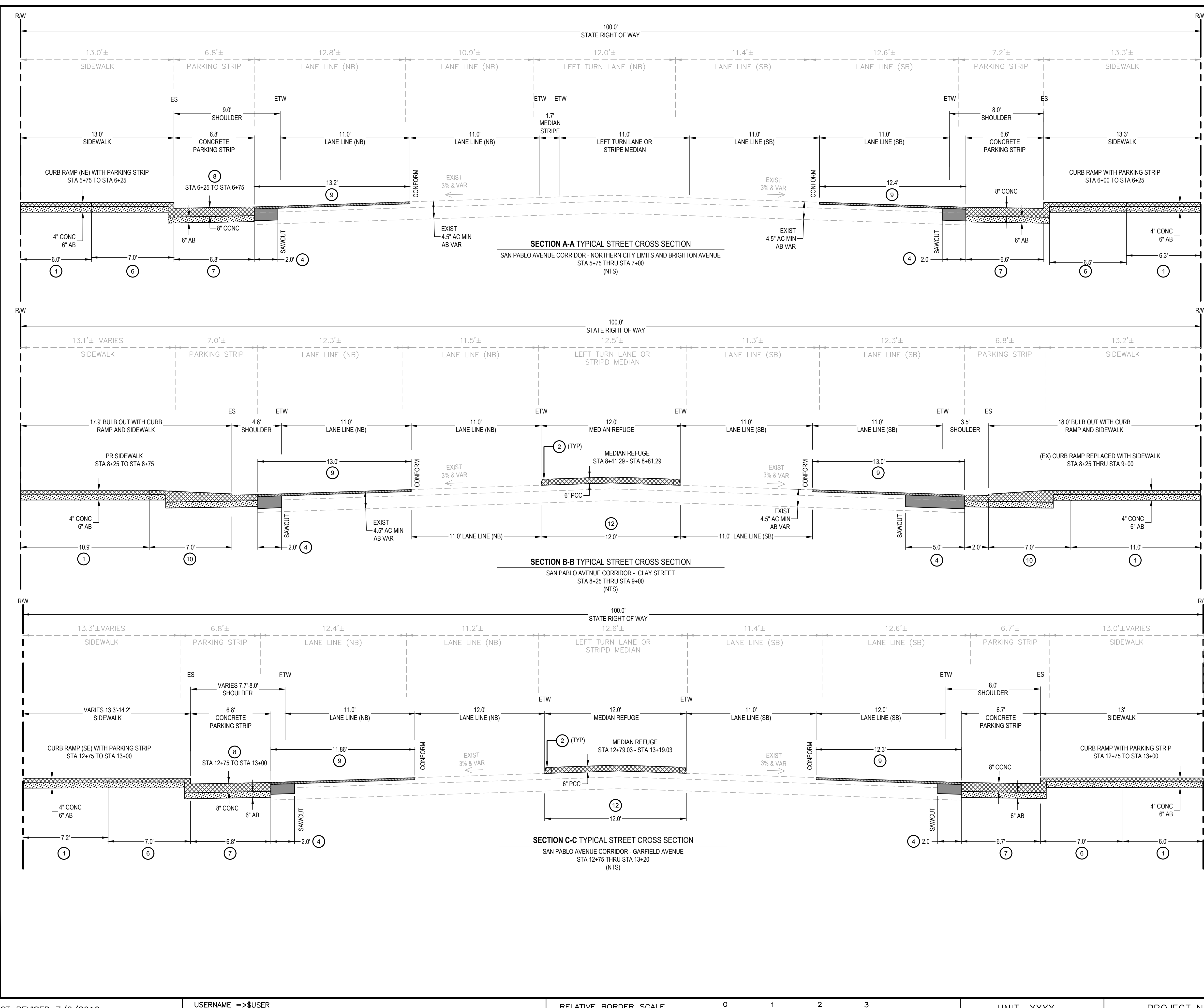
- ✓ Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✓ Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:  
[www.cleanwaterprogram.org](http://www.cleanwaterprogram.org)  
[www.cabmphandbooks.com](http://www.cabmphandbooks.com)

LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:21 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT SUPERVISOR: JASON T. WHITE  
 CHECKED BY: JOSEPH K. YOUNG  
 DESIGNED BY: JOHN MACHADO  
 REVISIONS: CAM 7/13/2022  
 DATE REVISED: 7/13/2022



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	04	53

JOSEPH YOUNG  
 REGISTERED CIVIL ENGINEER  
 DATE: 09/09/2022

PLANS APPROVAL DATE

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**TYPICAL CROSS SECTIONS LEGEND**

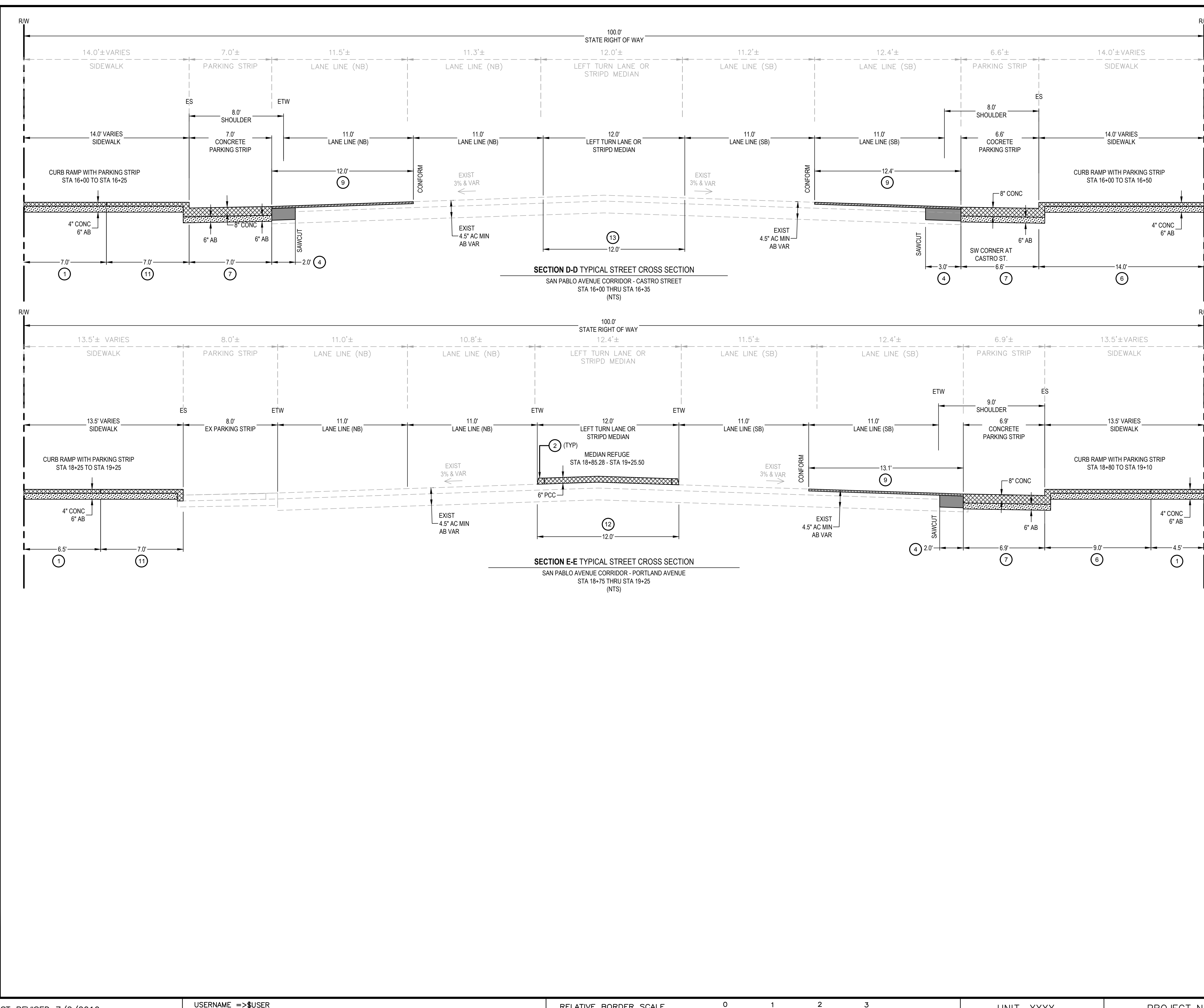
- PROPOSED CONCRETE SECTION (CURB & GUTTER, VERTICAL CURB, VALLEY GUTTER, SIDEWALK, CURB RAMP, REFUGE MEDIAN, AND PARKING STRIP). SEE DETAILS ON CONSTRUCTION DETAIL SHEET C-13
- PROPOSED AGGREGATE BASE SECTION
- PROPOSED 2" HMA OVERLAY. SEE DETAIL 3 C-11
- REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL 4 C-11

- CROSS SECTION KEYNOTES**
- SIDEWALK (TYPE 1) PER CITY OF ALBANY STND ST-4.
  - 6" TYPE A3-6 CURB PER CALTRANS STND PLAN RSP A87A.
  - NOT USED
  - REPLACE ASPHALT CONCRETE SURFACING (6" MINIMUM DEPTH). SEE DETAIL 4 C-11
  - NOT USED
  - ACCESSIBLE CURB RAMP - CASE A PER CALTRANS STND PLAN RSP A88A.
  - CONCRETE PARKING STRIP. SEE DETAIL 2 C-11
  - CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19.
  - 2" HMA OVERLAY WITH 2.0' LAP JOINT. SEE DETAIL 3 C-11
  - BULBOUT WITH ACCESSIBLE CURB RAMP - CASE A PER CALTRANS STND PLAN RSP A88A.
  - MODIFIED ACCESSIBLE CURB RAMP - CASE C
  - CONCRETE PEDESTRIAN MEDIAN REFUGE. SEE DETAIL 5 C-11
  - TWO WAY LEFT TURN LANE

- CROSS SECTION GENERAL NOTES**
- ANY UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
  - AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
  - FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
  - ALL CITY OF ALBANY DETAIL CALLOUTS SHALL BE PER "STANDARD DETAILS" ISSUED IN DECEMBER 2015.
  - ALL CALTRANS DETAIL CALLOUTS SHALL BE PER 2018 STANDARD PLANS.
  - REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.

DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:22 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 BORDER LAST REVISED 7/2/2010  
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 DGN FILE => \$REQUEST  
 RELATIVE BORDER SCALE IS IN INCHES  
 0 1 2 3  
 UNIT XXXX  
 PROJECT NUMBER & PHASE XXXXXXXXXXXX



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	05	53

JOSEPH YOUNG  
 REGISTERED CIVIL ENGINEER  
 09/09/2022  
 DATE

PLANS APPROVAL DATE

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**TYPICAL CROSS SECTIONS LEGEND**

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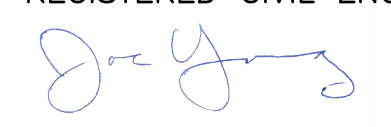
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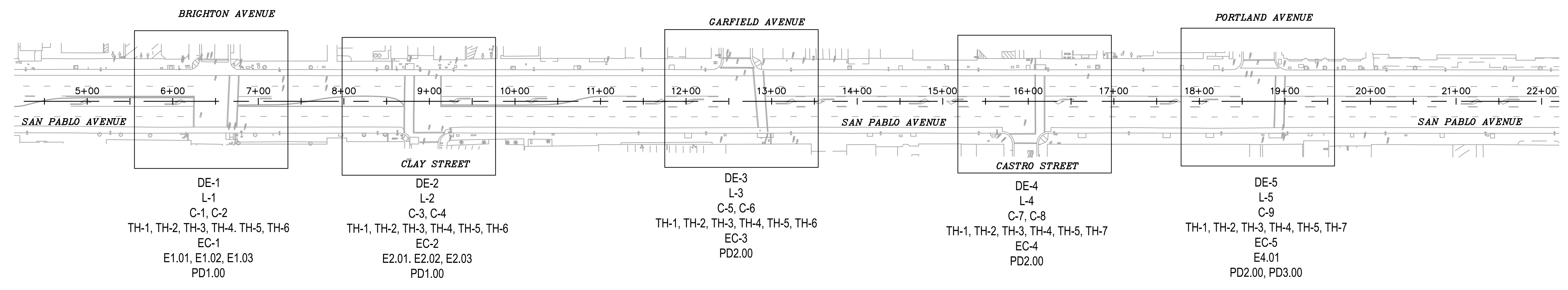
JOHN MACHADO	REVISOR	CAM	7/13/2022
JOSEPH K. YOUNG	CHECKED BY		
	DESIGNED BY		
	CONSULTANT SUPERVISOR	JASON T. WHITE	
	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	06	53

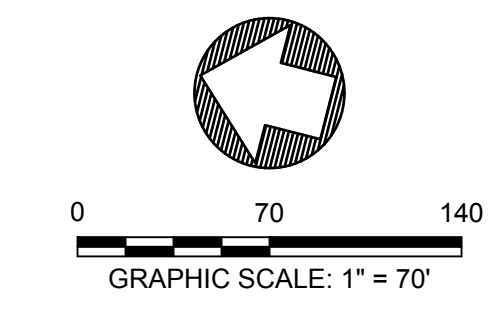
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  

KEY MAP K-1

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION  
**Stantec**  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 JASON T. WHITE  
 CHECKED BY  
 JOSEPH K. YOUNG  
 REVISIONS:  
 CAM 7/13/2022

**NOTES:**  
 1. FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.

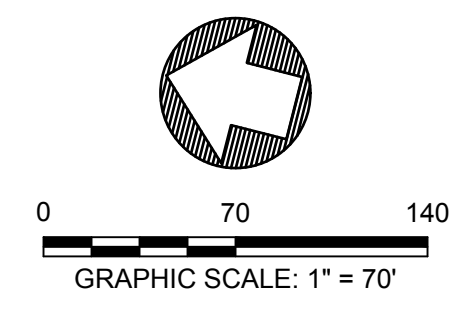
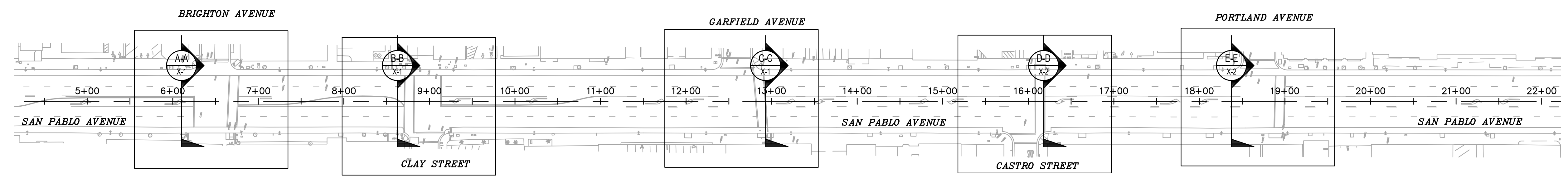
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	07	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
*Joseph Young*  
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH K. YOUNG  
 No. C84619  
 EXP 09/23  
 CIVIL  
 STATE OF CALIFORNIA

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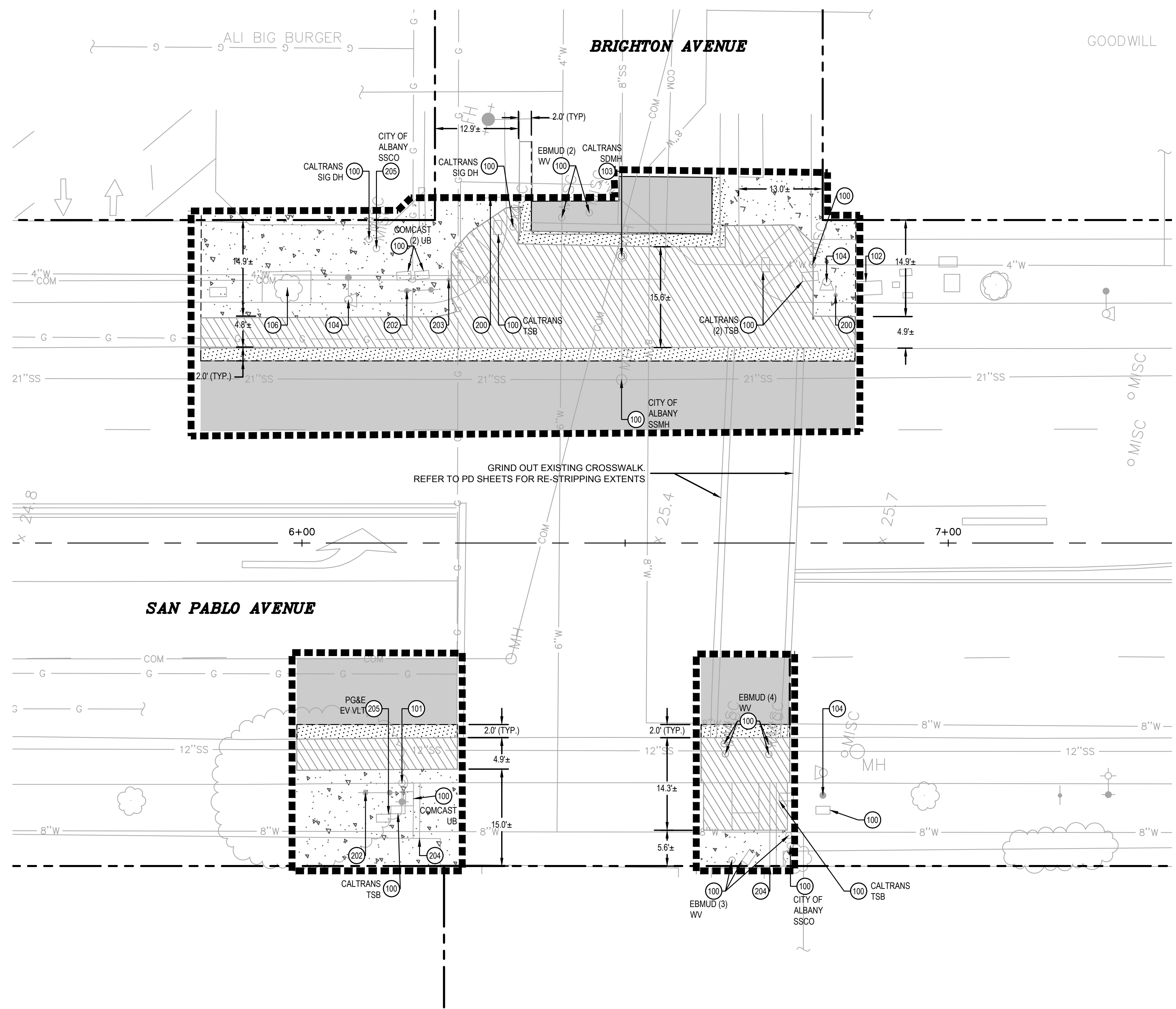
APPROVED FOR PROJECT CONTROL INFORMATION ONLY

LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:22 pm

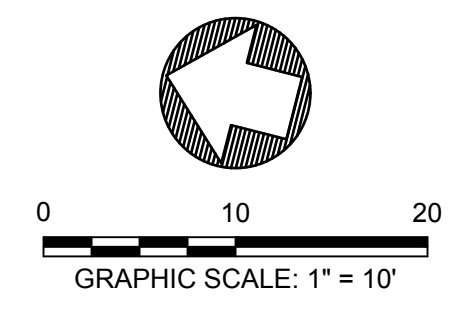
STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	CALCULATED/DESIGNED BY	JOHN MACHADO	REVISOR	DATE
JOHN MACHADO	JOSEPH K. YOUNG	JASON T. WHITE	JOHN MACHADO	JOSEPH K. YOUNG	JOHN MACHADO	CAM	7/13/2022

BORDER LAST REVISED 7/2/2010

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



METROPCS CORPORATE STORE  
**BRIGHTON AVENUE INTERSECTION**  
 SCALE: 1" = 10'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	08	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
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- DEMOLITION LEGEND**
- PROPERTY LINE / STATE RIGHT OF WAY LINE
  - SAWCUT LINE
  - LIMIT OF WORK
  - FULL DEPTH PAVEMENT SECTION REMOVAL. SEE DETAIL 7 C-11
  - REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)
  - 2" COLD PLANE ASPHALT CONCRETE PAVEMENT
  - REMOVE CONCRETE (MISCELLANEOUS)
  - REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL 4 C-11
  - REMOVE LANDSCAPING

- DEMOLITION KEYNOTES**
- PROTECT**
- 100 ADJUST UTILITY STRUCTURE TO GRADE (SEE PLAN FOR TYPE)
  - 101 PROTECT STREET LIGHT, FOUNDATION AND ASSOCIATED PULL BOX
  - 102 PROTECT ELECTRICAL VAULT
  - 103 PROTECT MANHOLE
  - 104 PROTECT TRAFFIC SIGNAL POLE, FOUNDATION AND ASSOCIATED PULL BOX
  - 105 PROTECT STORM DRAIN CATCH BASIN
  - 106 PROTECT TREE
  - 107 PROTECT ROAD SIGN
  - 108 PROTECT UTILITY POLE AND FOUNDATION
  - 109 PROTECT UTILITY STRUCTURE
  - 110 PROTECT AREA DRAIN
  - 111 PROTECT FIRE HYDRANT

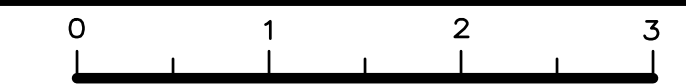
- REMOVE / RELOCATE**
- 200 REMOVE SIGN POLE AND FOUNDATION. SALVAGE SIGN. COORDINATE WITH CALTRANS.
  - 201 RELOCATE STORM DRAIN INLET AND STORM DRAIN PIPE AS NECESSARY.
  - 202 REMOVE PEDESTRIAN BARRICADE AND FOUNDATION.
  - 203 RELOCATE PEDESTRIAN PUSH BUTTON POLE. FOR NEW LOCATION REFER TO SHEETS E1.01 THRU E4.01.
  - 204 REMOVE STORM DRAIN
  - 205 REMOVE & RELOCATE UTILITY BOX / VALVE. COORDINATE WITH CORRESPONDING UTILITY COMPANY PRIOR TO RELOCATION

- DEMOLITION GENERAL NOTES**
- THE UTILITIES SHOWN ON THIS PLAN ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, PRIVATE LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS), AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, WATER AND GAS) UNLESS OTHERWISE NOTED.
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  - ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT AS APPROVED BY THE CITY INSPECTOR AND/OR APPROVED REPRESENTATIVE.
  - CONTRACTOR IS RESPONSIBLE TO LEGALLY DISPOSE OF ALL REMOVED MATERIAL.
  - ALONG THE SAN PABLO CORRIDOR STARTING FROM THE NORTHERN CITY LIMIT TO WASHINGTON AVENUE (EAST) ALL STRIPING, MARKINGS AND REFLECTORS SHALL BE REMOVED AS STATED WITHIN THE PROJECT SPECIFICATIONS. SEE STRIPING PLANS SHEETS PD1.00 THRU PD6.00 FOR NEW STRIPING, SIGNAGE AND MARKING LAYOUT.
  - REFER TO LAYOUT PLAN FOR EXACT LIMITS OF DEMOLITION.
  - REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.
  - PROTECT IN PLACE EXISTING SIGNAL INTERCONNECT CABLES
  - AT INTERSECTIONS GRIND OUT EXISTING STRIPING. REFER TO PD-1 THRU PD-3 FOR EXTENTS.

**EXISTING CONDITIONS AND DEMOLITION PLAN DE-1**

USERNAME => \$USER  
 DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES



UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX

DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 3:23 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CALCULATED/DESIGNED BY: JOHN MACHADO  
 CHECKED BY: JOSEPH K. YOUNG  
 REVISIONS: CAM 7/13/2022  
 DATE REVISED: 7/13/2022

BORDER LAST REVISED 7/2/2010

USERNAME => \$USER  
 DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES

UNIT XXXX

PROJECT NUMBER & PHASE

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DATE PLOTTED => Sep 07 2022

TIME PLOTTED => 3:24 pm

LAST REVISION 05-24-19

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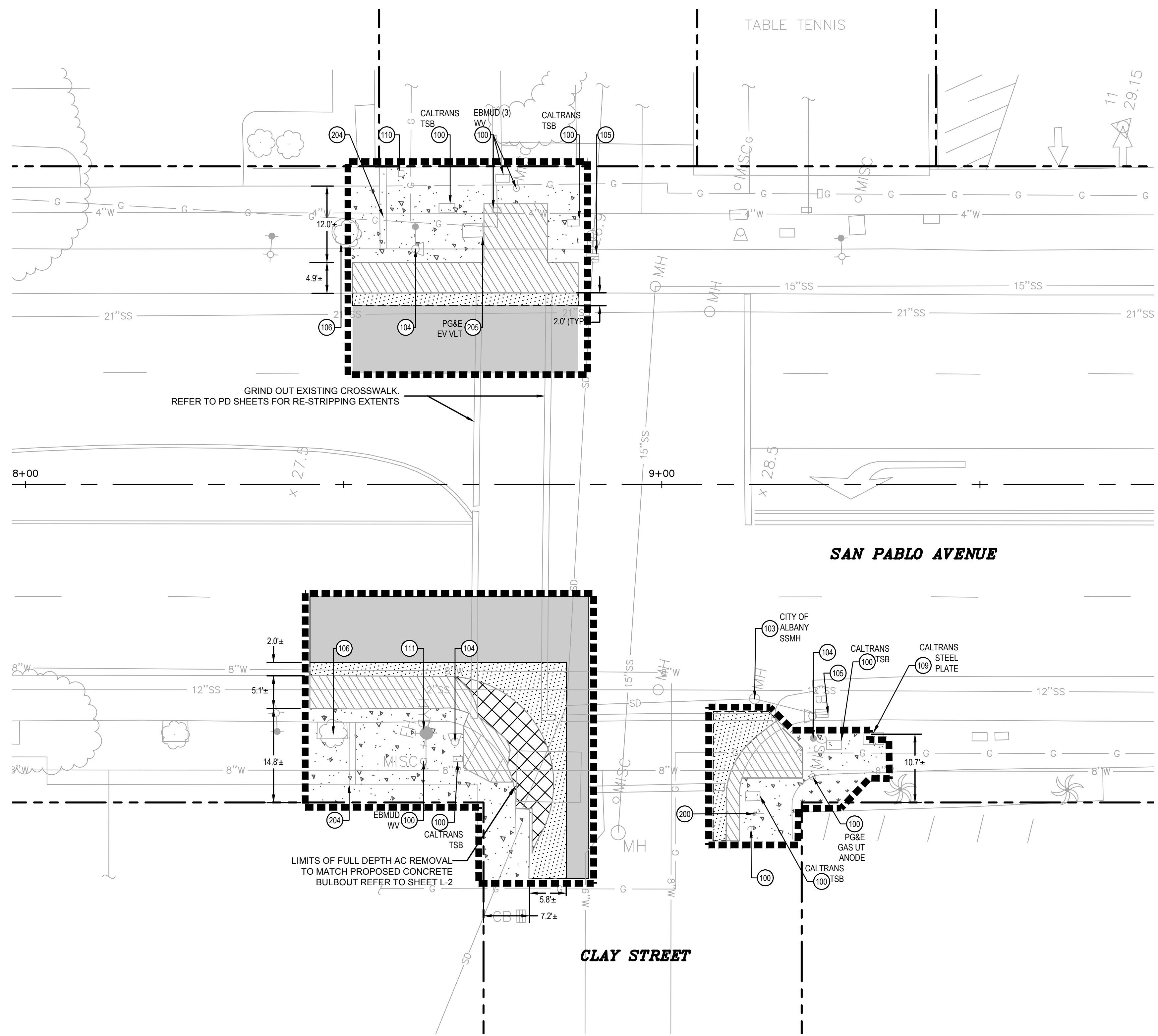
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CLAY STREET INTERSECTION  
 SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	09	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



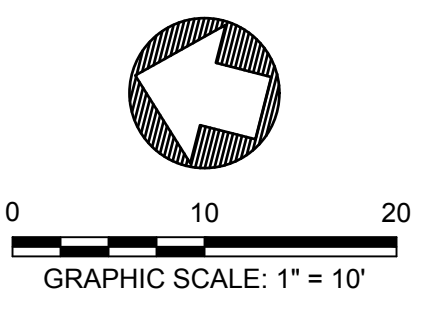
BKF 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com  
 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

- DEMOLITION LEGEND**
- PROPERTY LINE / STATE RIGHT OF WAY LINE
  - SAWCUT LINE
  - LIMIT OF WORK
  - FULL DEPTH PAVEMENT SECTION REMOVAL. SEE DETAIL 7 C-11
  - REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)
  - 2" COLD PLANE ASPHALT CONCRETE PAVEMENT
  - REMOVE CONCRETE (MISCELLANEOUS)
  - REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL 4 C-11
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  - REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.
  - PROTECT IN PLACE EXISTING SIGNAL INTERCONNECT CABLES
  - AT INTERSECTIONS GRIND OUT EXISTING STRIPING. REFER TO PD-1 THRU PD-3 FOR EXTENTS.



EXISTING CONDITIONS AND DEMOLITION PLAN DE-2

05-24-19

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STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	CALCULATED/DESIGNED BY	JOHN MACHADO	REVISOR	DATE
JOHN MACHADO	JOSEPH K. YOUNG	JASON T. WHITE	JOHN MACHADO	JOSEPH K. YOUNG	JOHN MACHADO	CAM	7/13/2022

BORDER LAST REVISED 7/2/2010

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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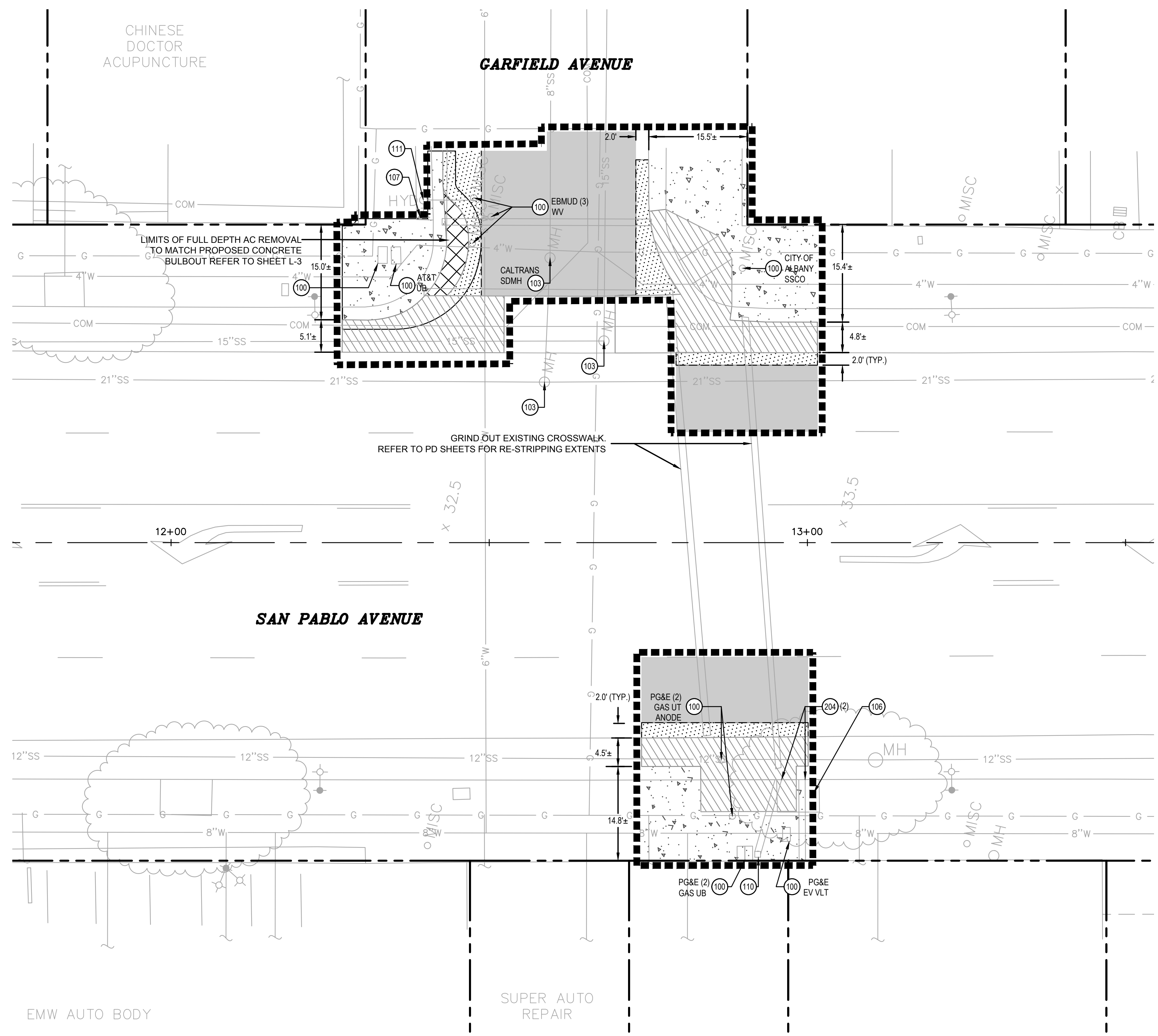
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



**GARFIELD AVENUE INTERSECTION**  
SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	10	53

JOSEPH YOUNG 09/09/2022  
REGISTERED CIVIL ENGINEER DATE  
*Joseph Young*  
PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

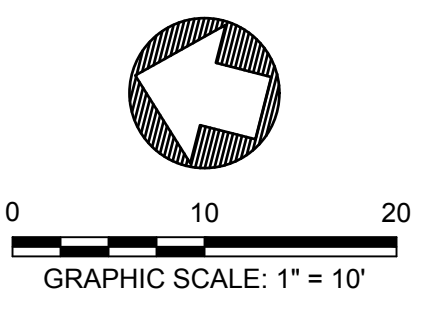


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- DEMOLITION LEGEND**
- PROPERTY LINE / STATE RIGHT OF WAY LINE
  - SAWCUT LINE
  - LIMIT OF WORK
  - FULL DEPTH PAVEMENT SECTION REMOVAL. SEE DETAIL (7) C-11
  - REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)
  - 2" COLD PLANE ASPHALT CONCRETE PAVEMENT
  - REMOVE CONCRETE (MISCELLANEOUS)
  - REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL (4) C-11
  - REMOVE LANDSCAPING

- DEMOLITION KEYNOTES**
- PROTECT**
- (100) ADJUST UTILITY STRUCTURE TO GRADE (SEE PLAN FOR TYPE)
  - (101) PROTECT STREET LIGHT, FOUNDATION AND ASSOCIATED PULL BOX
  - (102) PROTECT ELECTRICAL VAULT
  - (103) PROTECT MANHOLE
  - (104) PROTECT TRAFFIC SIGNAL POLE, FOUNDATION AND ASSOCIATED PULL BOX
  - (105) PROTECT STORM DRAIN CATCH BASIN
  - (106) PROTECT TREE
  - (107) PROTECT ROAD SIGN
  - (108) PROTECT UTILITY POLE AND FOUNDATION
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  - (110) PROTECT AREA DRAIN
  - (111) PROTECT FIRE HYDRANT
- REMOVE / RELOCATE**
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  - (203) RELOCATE PEDESTRIAN PUSH BUTTON POLE. FOR NEW LOCATION REFER TO SHEETS E1.01 THRU E4.01.
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  - (205) REMOVE & RELOCATE UTILITY BOX / VALVE. COORDINATE WITH CORRESPONDING UTILITY COMPANY PRIOR TO RELOCATION

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  - REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.
  - PROTECT IN PLACE EXISTING SIGNAL INTERCONNECT CABLES
  - AT INTERSECTIONS GRIND OUT EXISTING STRIPING. REFER TO PD-1 THRU PD-3 FOR EXTENTS.



**EXISTING CONDITIONS AND DEMOLITION PLAN DE-3**

USERNAME => \$USER  
DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES

UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX

DATE PLOTTED => Sep 07 2022

TIME PLOTTED => 3:25 pm

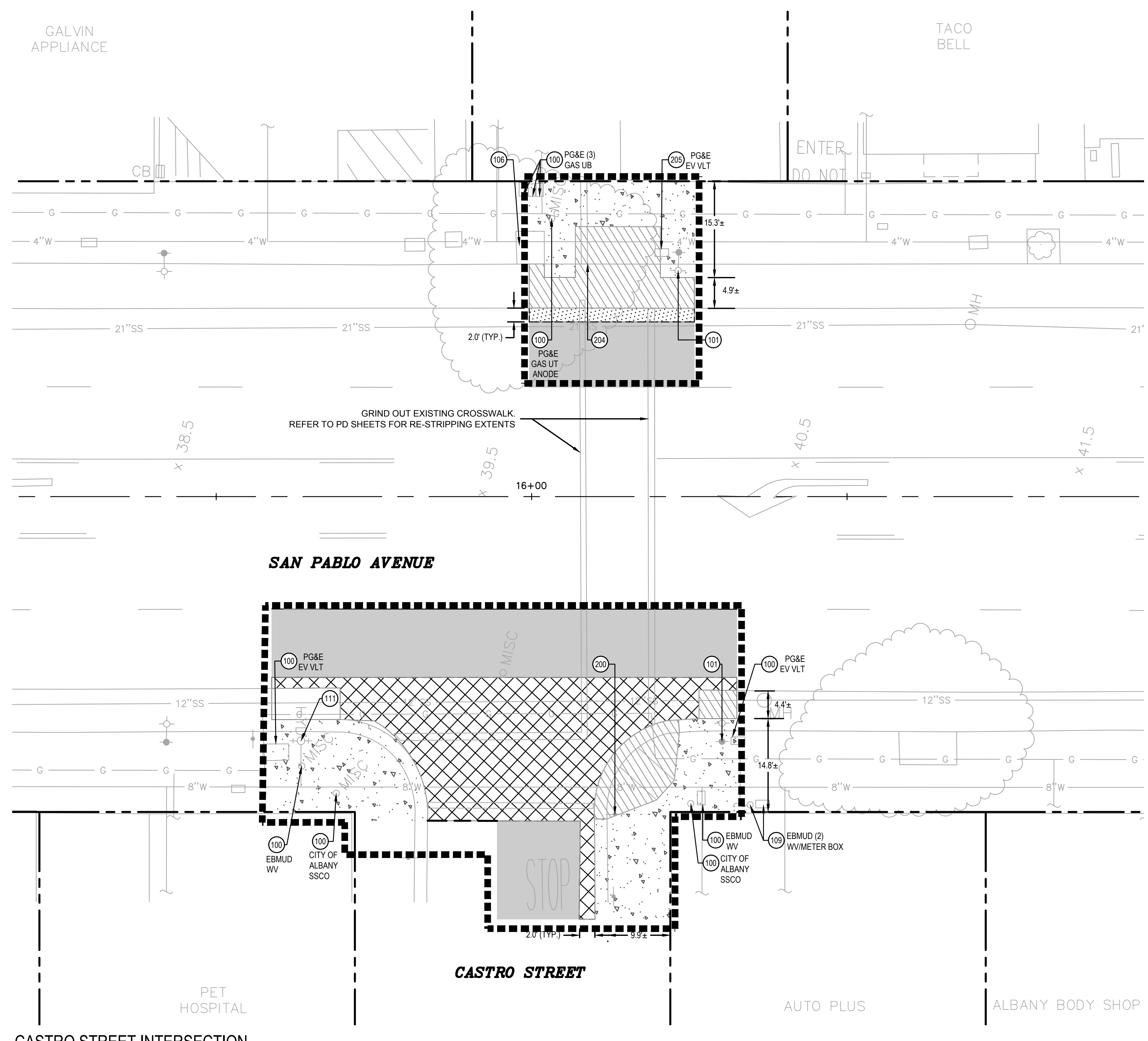
LAST REVISION 05-24-19



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	JOHN MACHADO	REVISOR	CAM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	JOSEPH K. YOUNG	DATE	7/13/2022
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR		JASON T. WHITE		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 07 Sep 2022 3:25:59pm  
 BORDERS LAST REVISED 7/2/2010

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 DGN FILE => \$REQUEST



CASTRO STREET INTERSECTION  
 SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	11	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
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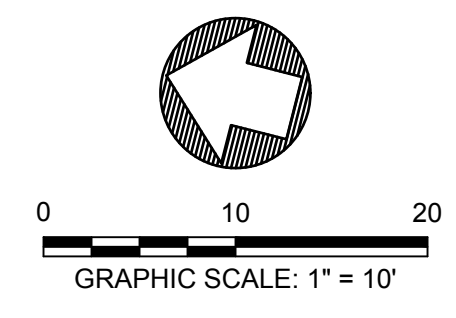
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 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

**DEMOLITION LEGEND**

---	PROPERTY LINE / STATE RIGHT OF WAY LINE
---	SAWCUT LINE
---	LIMIT OF WORK
[Hatched Box]	FULL DEPTH PAVEMENT SECTION REMOVAL. SEE DETAIL 7 C-11
[Dotted Box]	REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)
[Diagonal Lines]	2" COLD PLANE ASPHALT CONCRETE PAVEMENT
[Cross-hatched Box]	REMOVE CONCRETE (MISCELLANEOUS)
[Stippled Box]	REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL 4 C-11
[Star Pattern]	REMOVE LANDSCAPING

- DEMOLITION KEYNOTES**
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  9. REFER TO LAYOUT PLAN FOR EXACT LIMITS OF DEMOLITION.
  10. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.
  11. PROTECT IN PLACE EXISTING SIGNAL INTERCONNECT CABLES



EXISTING CONDITIONS AND DEMOLITION PLAN DE-4

RELATIVE BORDER SCALE IS IN INCHES	0 1 2 3	UNIT XXXX	PROJECT NUMBER & PHASE	XXXXXXXXXX
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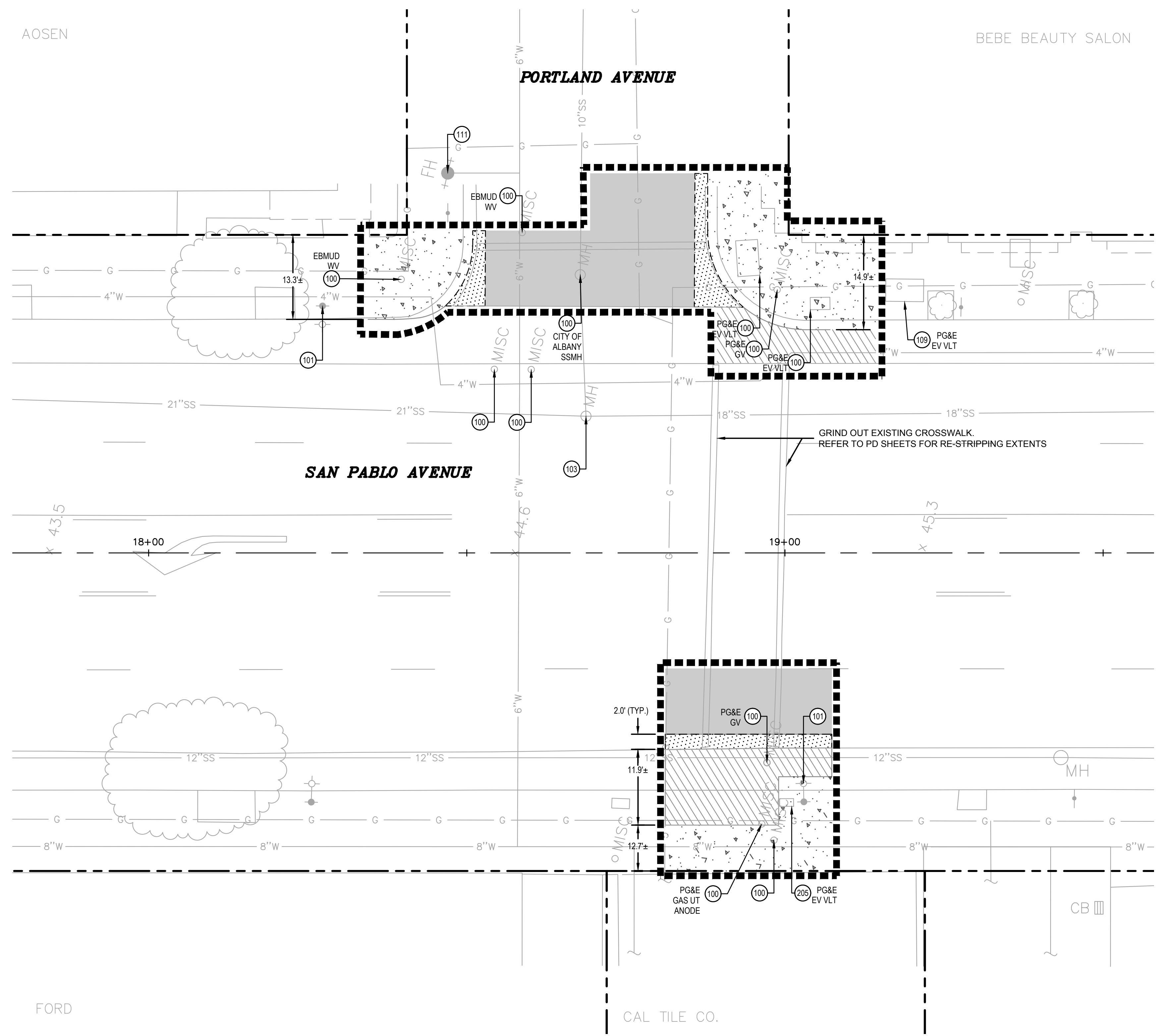
DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 3:25 pm  
 LAST REVISION 05-24-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	JOHN MACHADO	REVISOR	CAM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	JOSEPH K. YOUNG	DATE	7/13/2022
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR		JASON T. WHITE		

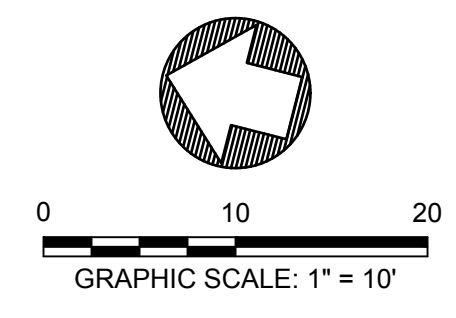
BORDER LAST REVISED 7/2/2010



K:\2024\162599-Albany-San-Pablo-Walnut-Sheets\16\_24-19-19.dwg 07 Sep 2022 3:26:47pm



**PORTLAND AVENUE INTERSECTION**  
SCALE: 1" = 10'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	12	53

JOSEPH YOUNG 09/09/2022  
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

- DEMOLITION LEGEND**
- PROPERTY LINE / STATE RIGHT OF WAY LINE
  - SAWCUT LINE
  - LIMIT OF WORK
  - [X] FULL DEPTH PAVEMENT SECTION REMOVAL. SEE DETAIL 7 C-11
  - [diagonal lines] REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK)
  - [stippled] 2" COLD PLANE ASPHALT CONCRETE PAVEMENT
  - [horizontal lines] REMOVE CONCRETE (MISCELLANEOUS)
  - [dots] REPLACE ASPHALT CONCRETE SURFACING. SEE DETAIL 4 C-11
  - [stars] REMOVE LANDSCAPING

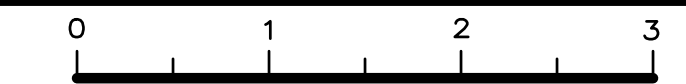
- DEMOLITION KEYNOTES**
- PROTECT**
- (100) ADJUST UTILITY STRUCTURE TO GRADE (SEE PLAN FOR TYPE)
  - (101) PROTECT STREET LIGHT, FOUNDATION AND ASSOCIATED PULL BOX
  - (102) PROTECT ELECTRICAL VAULT
  - (103) PROTECT MANHOLE
  - (104) PROTECT TRAFFIC SIGNAL POLE, FOUNDATION AND ASSOCIATED PULL BOX
  - (105) PROTECT STORM DRAIN CATCH BASIN
  - (106) PROTECT TREE
  - (107) PROTECT ROAD SIGN
  - (108) PROTECT UTILITY POLE AND FOUNDATION
  - (109) PROTECT UTILITY STRUCTURE
  - (110) PROTECT AREA DRAIN
  - (111) PROTECT FIRE HYDRANT
- REMOVE / RELOCATE**
- (200) REMOVE SIGN POLE AND FOUNDATION. SALVAGE SIGN. COORDINATE WITH CALTRANS.
  - (201) RELOCATE STORM DRAIN INLET AND STORM DRAIN PIPE AS NECESSARY.
  - (202) REMOVE PEDESTRIAN BARRICADE AND FOUNDATION.
  - (203) RELOCATE PEDESTRIAN PUSH BUTTON POLE. FOR NEW LOCATION REFER TO SHEETS E1.01 THRU E4.01.
  - (204) REMOVE STORM DRAIN
  - (205) REMOVE & RELOCATE UTILITY BOX / VALVE. COORDINATE WITH CORRESPONDING UTILITY COMPANY PRIOR TO RELOCATION

- DEMOLITION GENERAL NOTES**
1. THE UTILITIES SHOWN ON THIS PLAN ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  2. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, PRIVATE LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS), AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, WATER AND GAS) UNLESS OTHERWISE NOTED.
  3. ALL EXISTING UTILITY STRUCTURES WITHIN THE LIMIT OF WORK ARE TO BE ADJUSTED TO FINISHED GRADE UNLESS OTHERWISE NOTED.
  4. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
  5. CONTRACTOR TO PROTECT ALL TREES NOT DESIGNATED TO BE REMOVED, INCLUDING BUT NOT LIMITED TO TREES WITHIN AND OUTSIDE OF THE PROJECT LIMITS OF WORK.
  6. ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT AS APPROVED BY THE CITY INSPECTOR AND/OR APPROVED REPRESENTATIVE.
  7. CONTRACTOR IS RESPONSIBLE TO LEGALLY DISPOSE OF ALL REMOVED MATERIAL.
  8. ALONG THE SAN PABLO CORRIDOR STARTING FROM THE NORTHERN CITY LIMIT TO WASHINGTON AVENUE (EAST) ALL STRIPING, MARKINGS AND REFLECTORS SHALL BE REMOVED AS STATED WITHIN THE PROJECT SPECIFICATIONS. SEE STRIPING PLANS SHEETS PD1.00 THRU PD6.00 FOR NEW STRIPING, SIGNAGE AND MARKING LAYOUT.
  9. REFER TO LAYOUT PLAN FOR EXACT LIMITS OF DEMOLITION.
  10. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL PROJECT NOTES, ABBREVIATIONS AND EXISTING LEGEND.
  11. PROTECT IN PLACE EXISTING SIGNAL INTERCONNECT CABLES

**EXISTING CONDITIONS AND DEMOLITION PLAN DE-5**

USERNAME => \$USER  
DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES



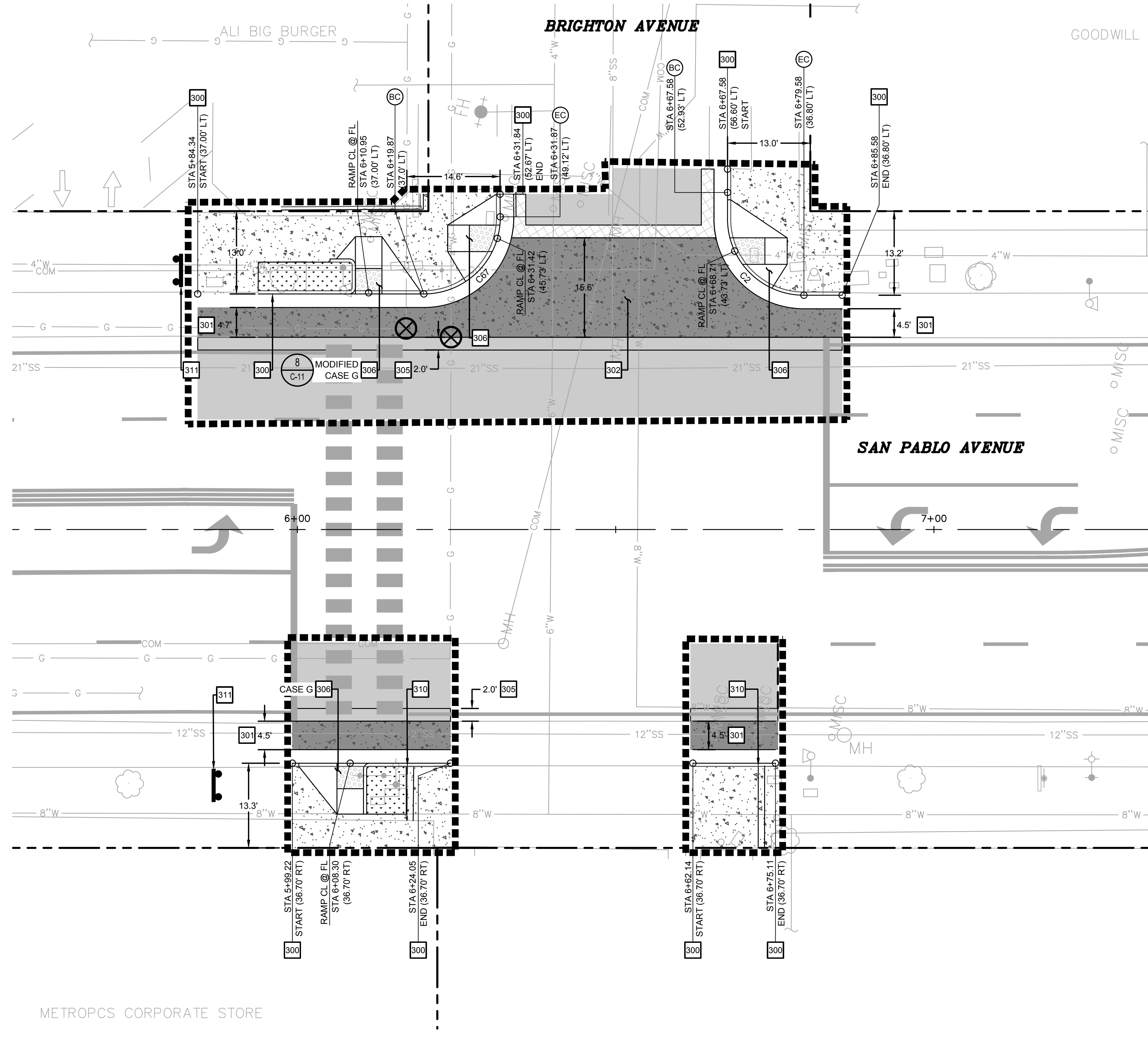
UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX

DATE PLOTTED => Sep 07 2022 3:26 pm  
 LAST REVISION 05-24-19 TIME PLOTTED =>

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CALCULATED/DESIGNED BY: JOSEPH K. YOUNG  
 CHECKED BY: JOHN MACHADO  
 REVISED BY: CAM  
 DATE REVISED: 7/13/2022



**BRIGHTON AVENUE INTERSECTION**  
 SCALE: 1" = 10'

Curve Table			
Curve #	Length	Radius	Delta
C1	18.966	12.000	090.5536
C2	18.850	12.000	090.0000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	13	53

JOSEPH YOUNG  
 REGISTERED CIVIL ENGINEER  
 DATE: 09/09/2022  
 PLANS APPROVAL DATE: \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

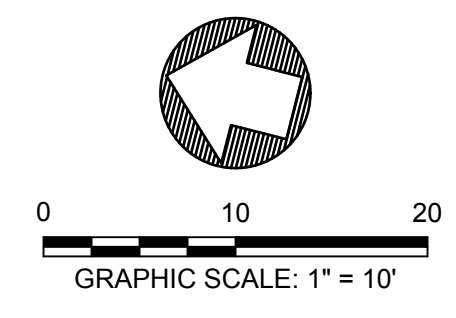


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- HORIZONTAL LAYOUT LEGEND**
- PROPERTY LINE
  - LIMIT OF WORK
  - ⊗ PROPOSED POT HOLE LOCATION TO VERIFY EXISTING UTILITY LOCATION AND DEPTH PRIOR TO CONSTRUCTION
  - [Pattern] REPLACE ASPHALT CONCRETE SURFACING REFER TO PLANS FOR WIDTH
  - [Pattern] MINOR CONCRETE FOR SIDEWALK (4" PCC OVER 4" CLASS 6 AB) PER CITY OF ALBANY STND DTL ST-4
  - [Pattern] HOT MIXED ASPHALT (2" AC OVERLAY PER DTL 3/C-11)
  - [Pattern] MINOR CONCRETE FOR ISLAND PAVING PER DTL 5/C-11
  - [Pattern] HOT MIXED ASPHALT OVER AGGREGATE BASE SECTIONAL DEPTHS TO MATCH EXISTING
  - [Pattern] JOINTED PLAIN CONCRETE PAVEMENT (SEE RELATED KEYNOTE)
  - [Pattern] WOOD MULCH

- HORIZONTAL LAYOUT KEYNOTES**
- 300 2'0" WIDE CONCRETE CURB AND GUTTER OVER 6" CLASS 2 AB TYPE A2-6 (UNLESS OTHERWISE NOTED ON PLANS) PER CALTRANS STND DTL A87A
  - 301 CONCRETE PARKING STRIP OVER 6" CLASS 2 AB SEE PLAN FOR WIDTH. SEE DETAIL C-11
  - 302 CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19
  - 303 VERTICAL CURB - TYPE A3-6 PER CALTRANS STND DTL A87A
  - 304 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CALTRANS STND DTL RSP A88A
  - 305 HMA PATCH (6" MINIMUM DEPTH) PER DTL 4/C-11
  - 306 ACCESSIBLE CURB RAMP - CASE A (UNLESS OTHERWISE NOTED) PER CALTRANS STND DTL RSP A88A
  - 307 NOT USED
  - 308 MODIFIED ACCESSIBLE CURB RAMP - CASE CM PER CALTRANS STD. PLAN A88B
  - 309 NOT USED
  - 310 REMOVE AND REPLACE SIDEWALK DRAIN PER CITY OF ALBANY STND DTL ST-14 (OMIT V9 CHRISTY DRAIN BOX; CONNECT TO UNDERGROUNDED DOWNSPOUT)
  - 311 INSTALL CONSTRUCTION AREA SIGN PER DTL 6/C-11 (SEE HORIZONTAL LAYOUT GENERAL NOTES 8)

- HORIZONTAL LAYOUT GENERAL NOTES**
- THE UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
  - FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEET PD3.00.
  - AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
  - FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
  - ALL CITY OF ALBANY DETAIL CALLOUTS SHALL BE PER "STANDARD DETAILS" ISSUED IN DECEMBER 2015.
  - ALL CALTRANS DETAIL CALLOUTS SHALL BE PER 2018 STANDARD PLANS.
  - PRIOR TO CONSTRUCTION CONTRACTOR TO INSTALL CONSTRUCTION AREA SIGN AT BEGINNING AND END OF PROJECT LIMITS. LOCATION TO NOT INTERFERE WITH CONSTRUCTION ACTIVITIES.
  - REFER TO SHEET T-1 FOR ADDITIONAL GENERAL PROJECT NOTES, AND SHEET T-2 FOR ABBREVIATIONS, EXISTING LEGEND, AND LINE AND CURVE TABLES.



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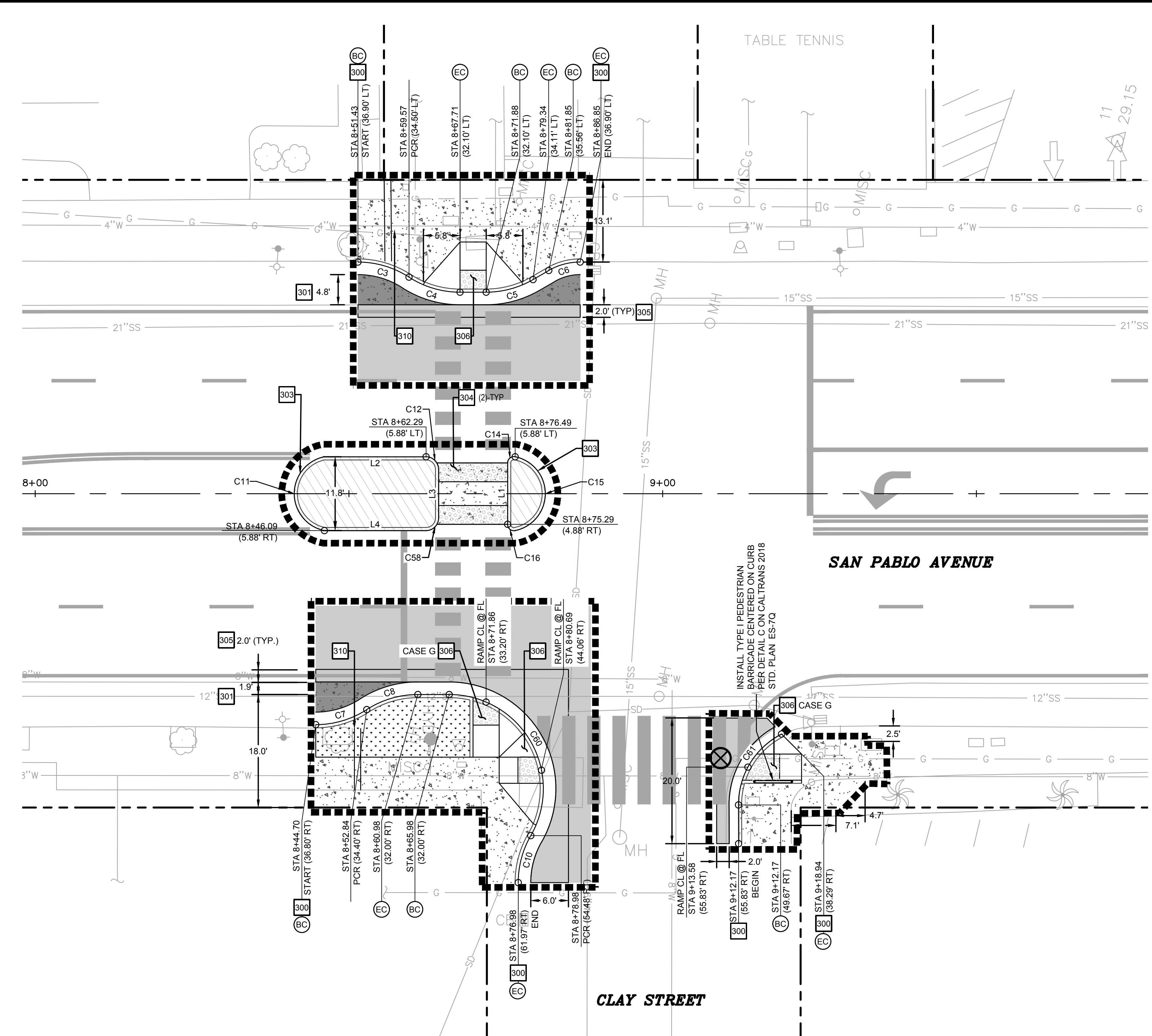
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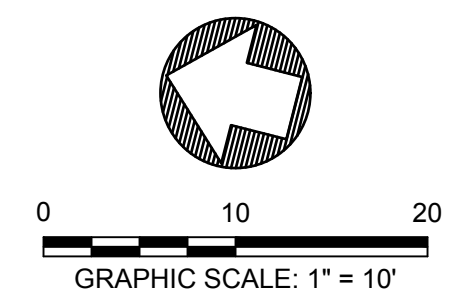


**CLAY STREET INTERSECTION**  
 SCALE: 1" = 10'

Line #	Length	Direction
L1	9.780	N76° 48' 28.66"E
L2	16.200	N13° 11' 31.32"W
L3	7.758	N76° 48' 28.69"E
L4	16.200	S13° 11' 31.32"E

Curve #	Length	Radius	Delta
C3	8.603	15.000	032.8599
C4	8.603	15.000	032.8599
C5	7.817	15.001	029.8559
C6	5.236	10.000	030.0000
C7	8.603	15.000	032.8599
C8	8.603	15.000	032.8599
C10	7.835	15.000	029.9264
C11	16.433	6.000	156.9264
C12	3.142	2.000	090.0000
C14	1.772	1.000	101.5349

Curve #	Length	Radius	Delta
C15	16.433	6.000	156.9264
C16	1.791	1.000	102.5652
C58	3.142	2.000	090.0000
C60	31.397	15.000	119.9264
C61	13.909	12.667	062.9126



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	14	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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- HORIZONTAL LAYOUT LEGEND**
- PROPERTY LINE
  - LIMIT OF WORK
  - PROPOSED POT HOLE LOCATION TO VERIFY EXISTING UTILITY LOCATION AND DEPTH PRIOR TO CONSTRUCTION
  - REPLACE ASPHALT CONCRETE SURFACING REFER TO PLANS FOR WIDTH
  - MINOR CONCRETE FOR SIDEWALK (4" PCC OVER 4" CLASS 6 AB) PER CITY OF ALBANY STND DTL ST-4
  - HOT MIXED ASPHALT (2" AC OVERLAY PER DTL 3/C-11)
  - MINOR CONCRETE FOR ISLAND PAVING PER DTL 5/C-11
  - HOT MIXED ASPHALT OVER AGGREGATE BASE SECTIONAL DEPTHS TO MATCH EXISTING
  - JOINTED PLAIN CONCRETE PAVEMENT (SEE RELATED KEYNOTE)
  - WOOD MULCH

- HORIZONTAL LAYOUT KEYNOTES**
- 300 2'0" WIDE CONCRETE CURB AND GUTTER OVER 6" CLASS 2 AB TYPE A2-6 (UNLESS OTHERWISE NOTED ON PLANS) PER CALTRANS STND DTL A87A
  - 301 CONCRETE PARKING STRIP OVER 6" CLASS 2 AB PER CITY OF ALBANY STND DTL ST-19
  - 302 CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19
  - 303 VERTICAL CURB - TYPE A3-6 PER CALTRANS STND DTL A87A
  - 304 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CALTRANS STND DTL RSP A88A
  - 305 HMA PATCH (6" MINIMUM DEPTH) PER DTL 4/C-11
  - 306 ACCESSIBLE CURB RAMP - CASE A (UNLESS OTHERWISE NOTED) PER CALTRANS STND DTL RSP A88A
  - 307 NOT USED
  - 308 MODIFIED ACCESSIBLE CURB RAMP - CASE CM PER CALTRANS STD. PLAN A88B
  - 309 NOT USED
  - 310 REMOVE AND REPLACE SIDEWALK DRAIN PER CITY OF ALBANY STND DTL ST-14 (OMIT V9 CHRISTY DRAIN BOX; CONNECT TO UNDERGROUNDED DOWNSPOUT)
  - 311 INSTALL CONSTRUCTION AREA SIGN PER DTL 6/C-11 (SEE HORIZONTAL LAYOUT GENERAL NOTES 8)

- HORIZONTAL LAYOUT GENERAL NOTES**
- THE UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
  - FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEET PD3.00.
  - AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
  - FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
  - ALL CITY OF ALBANY DETAIL CALLOUTS SHALL BE PER "STANDARD DETAILS" ISSUED IN DECEMBER 2015.
  - ALL CALTRANS DETAIL CALLOUTS SHALL BE PER 2018 STANDARD PLANS.
  - PRIOR TO CONSTRUCTION CONTRACTOR TO INSTALL CONSTRUCTION AREA SIGN AT BEGINNING AND END OF PROJECT LIMITS. LOCATION TO NOT INTERFERE WITH CONSTRUCTION ACTIVITIES.
  - REFER TO SHEET T-1 FOR ADDITIONAL GENERAL PROJECT NOTES, AND SHEET T-2 FOR ABBREVIATIONS, EXISTING LEGEND, AND LINE AND CURVE TABLES.

LAYOUT PLAN L-2



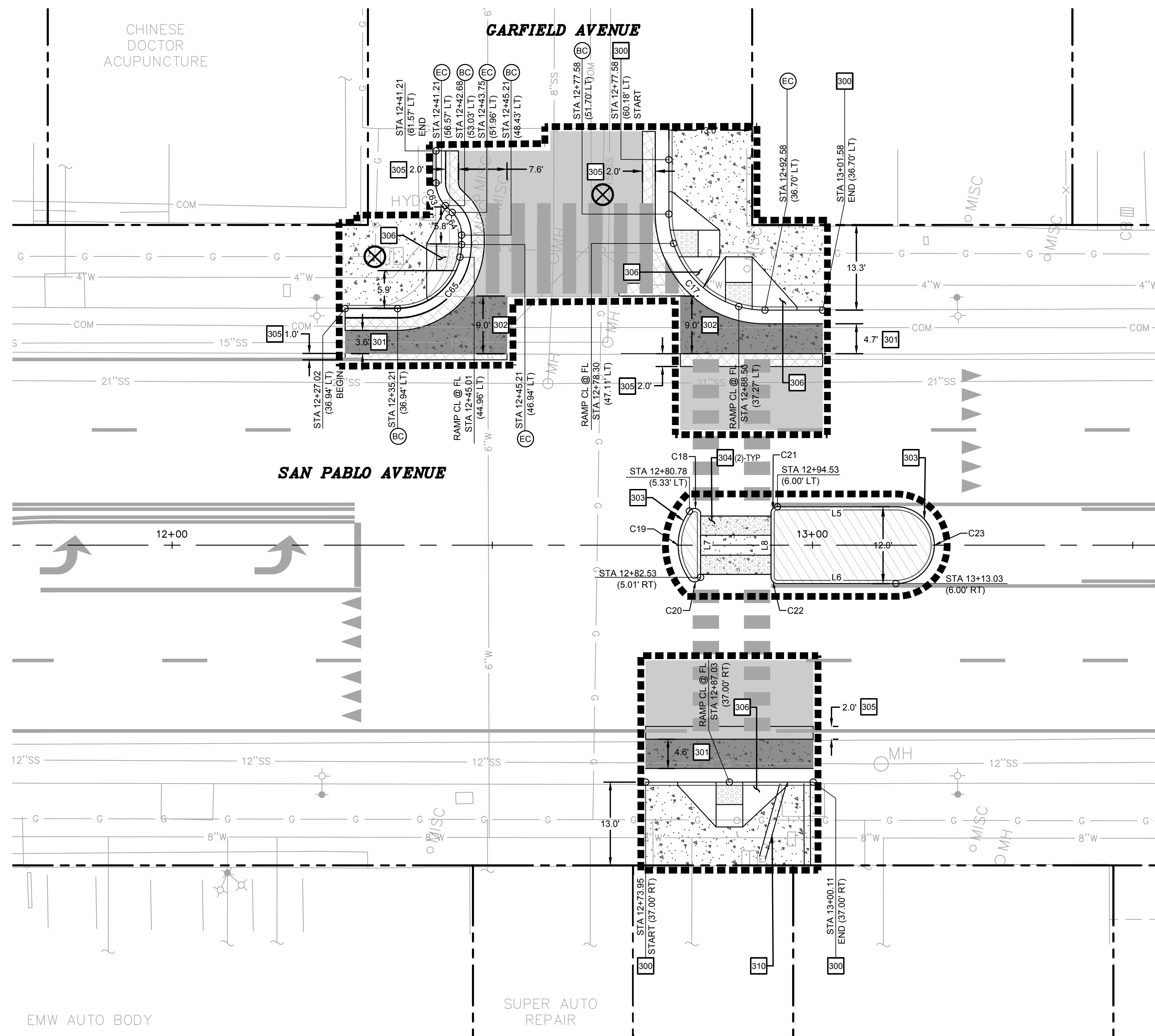
UNIT XXXX PROJECT NUMBER & PHASE XXXXXXXXXXXX

LAST REVISION 05-24-19 TIME PLOTTED => 07:28:57 PM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CHECKED BY: JOSEPH K. YOUNG  
 DESIGNED BY: JOHN MACHADO  
 REVISIONS: CAM 7/13/2022  
 DATE REVISED: 7/13/2022

BORDER LAST REVISED 7/2/2010

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**GARFIELD AVENUE INTERSECTION**  
 SCALE: 1" = 10'

Line Table		
Line #	Length	Direction
L5	18.500	N13° 11' 31.32"W
L6	18.500	S13° 11' 31.32"E
L7	10.073	N76° 48' 28.68"E
L8	10.000	S76° 48' 28.68"W

Curve Table			
Curve #	Length	Radius	Delta
C17	23.562	15.000	090.0000
C18	2.174	1.000	124.5859
C19	11.388	9.000	072.4956
C20	2.221	1.000	127.2547
C21	1.571	1.000	090.0000
C22	1.571	1.000	090.0000
C23	18.850	6.000	180.0000
C63	3.927	5.000	045.0000
C64	3.927	5.000	045.0000
C65	15.708	10.000	090.0000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	15	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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**HORIZONTAL LAYOUT LEGEND**

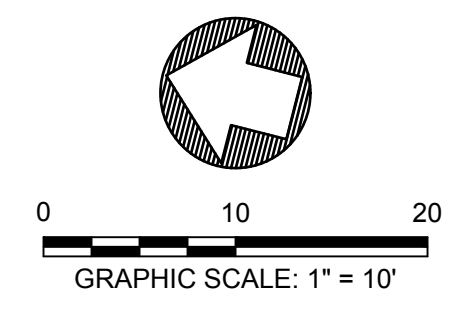
- PROPERTY LINE
- LIMIT OF WORK
- PROPOSED POT HOLE LOCATION TO VERIFY EXISTING UTILITY LOCATION AND DEPTH PRIOR TO CONSTRUCTION
- REPLACE ASPHALT CONCRETE SURFACING REFER TO PLANS FOR WIDTH
- MINOR CONCRETE FOR SIDEWALK (4" PCC OVER 4" CLASS 6 AB) PER CITY OF ALBANY STND DTL ST-4
- HOT MIXED ASPHALT (2" AC OVERLAY PER DTL 3/C-11)
- MINOR CONCRETE FOR ISLAND PAVING PER DTL 5/C-11
- HOT MIXED ASPHALT OVER AGGREGATE BASE SECTIONAL DEPTHS TO MATCH EXISTING
- JOINTED PLAIN CONCRETE PAVEMENT (SEE RELATED KEYNOTE)
- WOOD MULCH

**HORIZONTAL LAYOUT KEYNOTES**

- 300 2'0" WIDE CONCRETE CURB AND GUTTER OVER 6" CLASS 2 AB TYPE A2-6 (UNLESS OTHERWISE NOTED ON PLANS) PER CALTRANS STND DTL A87A
- 301 CONCRETE PARKING STRIP OVER 6" CLASS 2 AB SEE PLAN FOR WIDTH. SEE DETAIL C-11
- 302 CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19
- 303 VERTICAL CURB - TYPE A3-6 PER CALTRANS STND DTL A87A
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- 305 HMA PATCH (6" MINIMUM DEPTH) PER DTL 4/C-11
- 306 ACCESSIBLE CURB RAMP - CASE A (UNLESS OTHERWISE NOTED) PER CALTRANS STND DTL RSP A88A
- 307 NOT USED
- 308 MODIFIED ACCESSIBLE CURB RAMP - CASE CM PER CALTRANS STD. PLAN A88B
- 309 NOT USED
- 310 REMOVE AND REPLACE SIDEWALK DRAIN PER CITY OF ALBANY STND DTL ST 14 (OMIT V9 CHRISTY DRAIN BOX; CONNECT TO UNDERGROUNDED DOWNSPOUT)
- 311 INSTALL CONSTRUCTION AREA SIGN PER DTL 6/C-11 (SEE HORIZONTAL LAYOUT GENERAL NOTES 8)

**HORIZONTAL LAYOUT GENERAL NOTES**

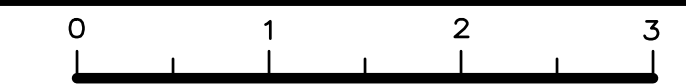
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- FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEET PD3.00.
- AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
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- ALL CALTRANS DETAIL CALLOUTS SHALL BE PER 2018 STANDARD PLANS.
- PRIOR TO CONSTRUCTION CONTRACTOR TO INSTALL CONSTRUCTION AREA SIGN AT BEGINNING AND END OF PROJECT LIMITS. LOCATION TO NOT INTERFERE WITH CONSTRUCTION ACTIVITIES.
- REFER TO SHEET T-1 FOR ADDITIONAL GENERAL PROJECT NOTES, AND SHEET T-2 FOR ABBREVIATIONS, EXISTING LEGEND, AND LINE AND CURVE TABLES.



**LAYOUT PLAN L-3**

USERNAME => \$USER  
 DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES

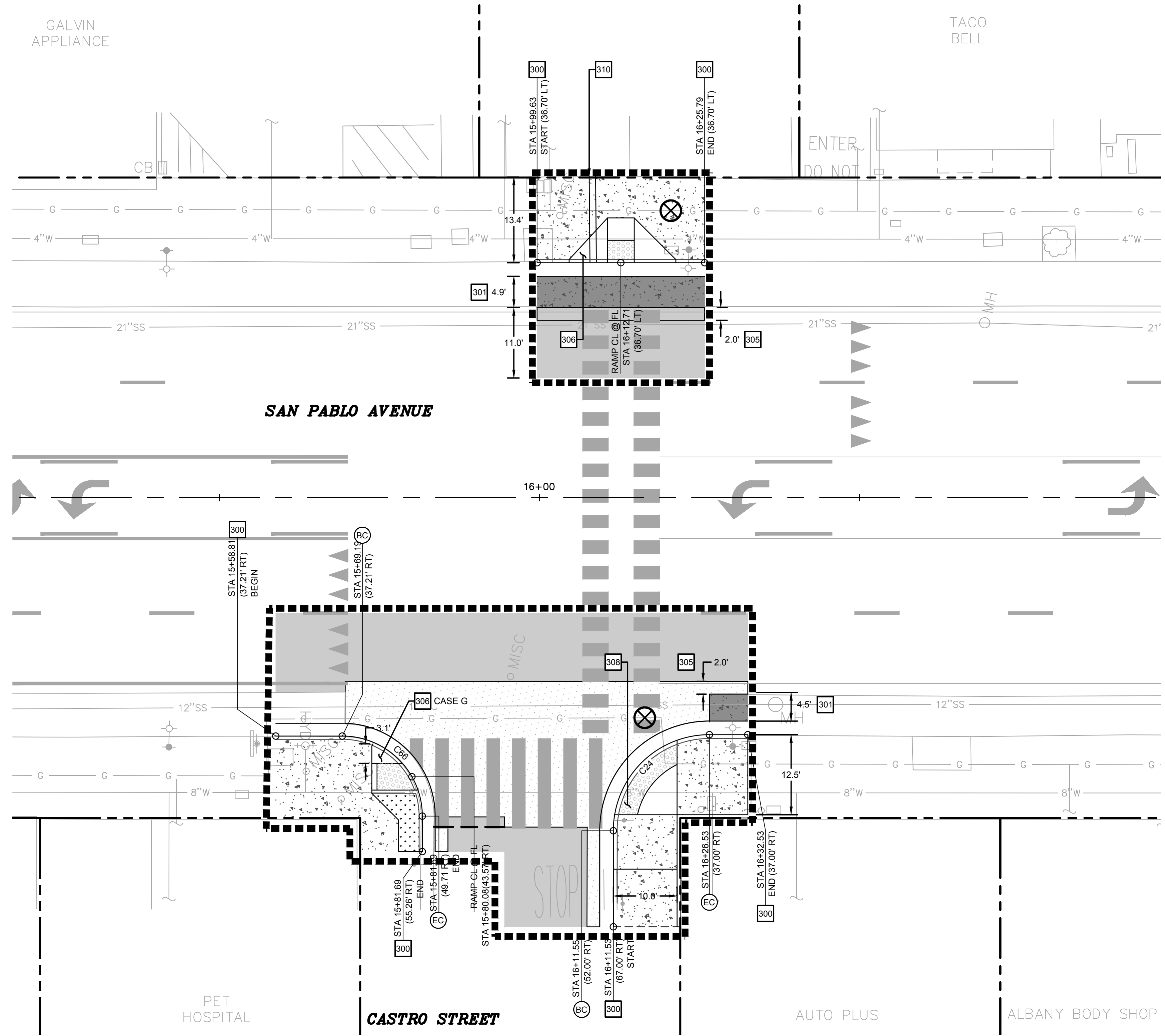


UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX

DATE PLOTTED => Sep 07 2022 3:30 pm  
 TIME PLOTTED => 05-24-19



**CASTRO STREET INTERSECTION**  
 SCALE: 1" = 10'

Curve Table			
Curve #	Length	Radius	Delta
C24	23.562	15.000	090.0000
C66	19.823	12.502	090.8460

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	16	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

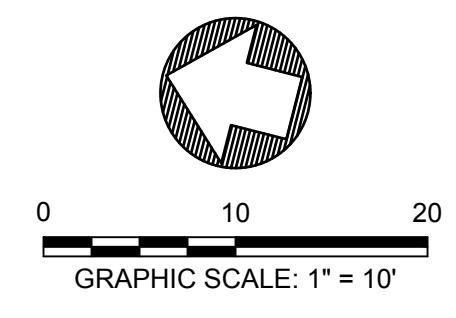


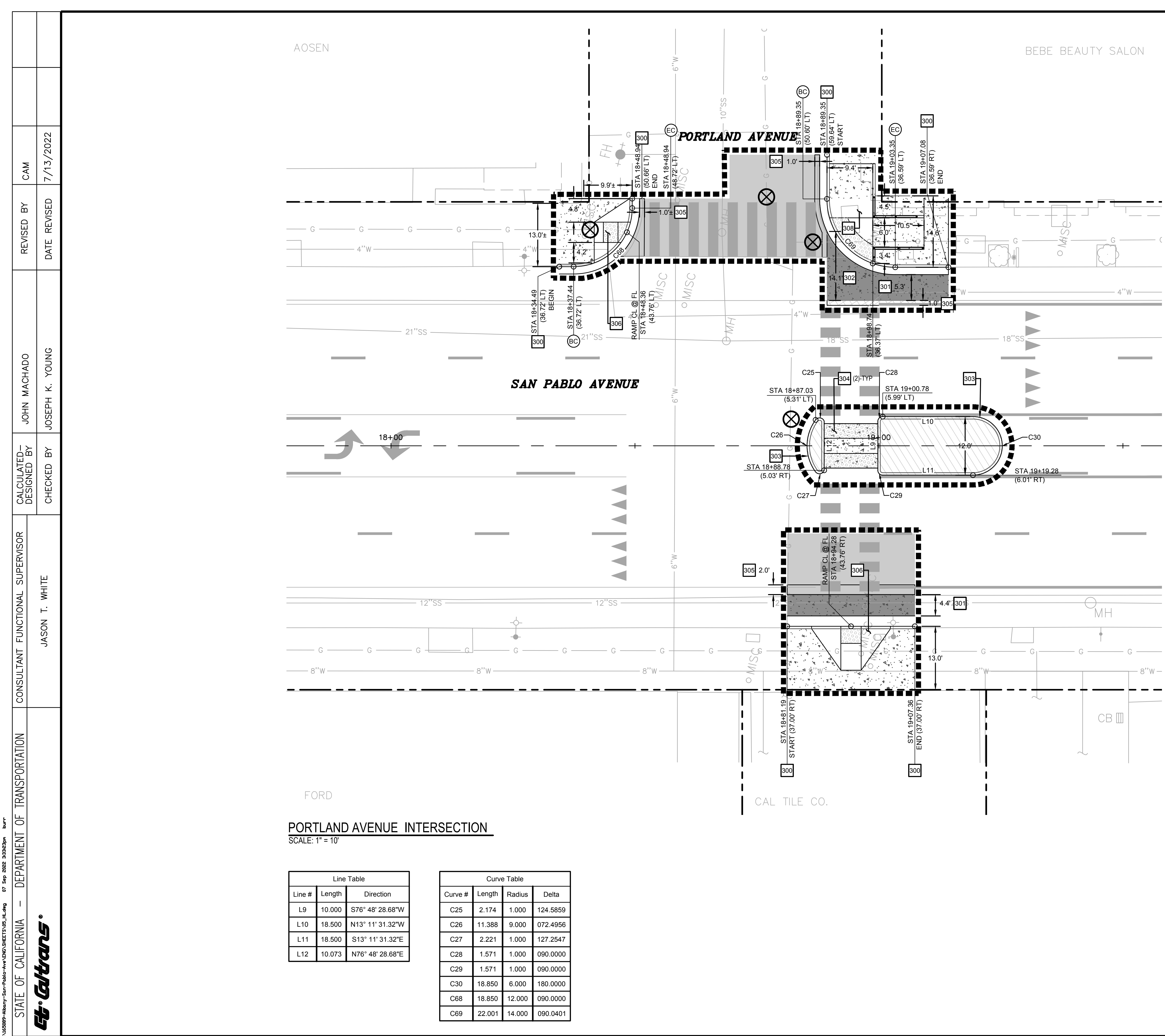
**BKF** 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com  
 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

- HORIZONTAL LAYOUT LEGEND**
- PROPERTY LINE
  - LIMIT OF WORK
  - PROPOSED POT HOLE LOCATION TO VERIFY EXISTING UTILITY LOCATION AND DEPTH PRIOR TO CONSTRUCTION
  - REPLACE ASPHALT CONCRETE SURFACING REFER TO PLANS FOR WIDTH
  - MINOR CONCRETE FOR SIDEWALK (4" PCC OVER 4" CLASS 6 AB) PER CITY OF ALBANY STND DTL ST-4
  - HOT MIXED ASPHALT (2" AC OVERLAY PER DTL 3/C-11)
  - MINOR CONCRETE FOR ISLAND PAVING PER DTL 5/C-11
  - HOT MIXED ASPHALT OVER AGGREGATE BASE SECTIONAL DEPTHS TO MATCH EXISTING
  - JOINTED PLAIN CONCRETE PAVEMENT (SEE RELATED KEYNOTE)
  - WOOD MULCH

- HORIZONTAL LAYOUT KEYNOTES**
- 300 2' WIDE CONCRETE CURB AND GUTTER OVER 6" CLASS 2 AB TYPE A2-6 (UNLESS OTHERWISE NOTED ON PLANS) PER CALTRANS STND DTL A87A
  - 301 CONCRETE PARKING STRIP OVER 6" CLASS 2 AB SEE PLAN FOR WIDTH. SEE DETAIL C-11
  - 302 CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19
  - 303 VERTICAL CURB - TYPE A3-6 PER CALTRANS STND DTL A87A
  - 304 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CALTRANS STND DTL RSP A88A
  - 305 HMA PATCH (6" MINIMUM DEPTH) PER DTL 4/C-11
  - 306 ACCESSIBLE CURB RAMP - CASE A (UNLESS OTHERWISE NOTED) PER CALTRANS STND DTL RSP A88A
  - 307 NOT USED
  - 308 MODIFIED ACCESSIBLE CURB RAMP - CASE CM PER CALTRANS STD. PLAN A88B
  - 309 NOT USED
  - 310 REMOVE AND REPLACE SIDEWALK DRAIN PER CITY OF ALBANY STND DTL ST 14 (OMIT V9 CHRISTY DRAIN BOX; CONNECT TO UNDERGROUNDED DOWNSPOUT)
  - 311 INSTALL CONSTRUCTION AREA SIGN PER DTL 6/C-11 (SEE HORIZONTAL LAYOUT GENERAL NOTES 8)

- HORIZONTAL LAYOUT GENERAL NOTES**
- THE UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
  - FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEET PD3.00.
  - AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
  - FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
  - ALL CITY OF ALBANY DETAIL CALLOUTS SHALL BE PER "STANDARD DETAILS" ISSUED IN DECEMBER 2015.
  - ALL CALTRANS DETAIL CALLOUTS SHALL BE PER 2018 STANDARD PLANS.
  - PRIOR TO CONSTRUCTION CONTRACTOR TO INSTALL CONSTRUCTION AREA SIGN AT BEGINNING AND END OF PROJECT LIMITS. LOCATION TO NOT INTERFERE WITH CONSTRUCTION ACTIVITIES.
  - REFER TO SHEET T-1 FOR ADDITIONAL GENERAL PROJECT NOTES, AND SHEET T-2 FOR ABBREVIATIONS, EXISTING LEGEND, AND LINE AND CURVE TABLES.





**PORTLAND AVENUE INTERSECTION**  
 SCALE: 1" = 10'

Line Table		
Line #	Length	Direction
L9	10.000	S76° 48' 28.68"W
L10	18.500	N13° 11' 31.32"W
L11	18.500	S13° 11' 31.32"E
L12	10.073	N76° 48' 28.68"E

Curve Table			
Curve #	Length	Radius	Delta
C25	2.174	1.000	124.5859
C26	11.388	9.000	072.4956
C27	2.221	1.000	127.2547
C28	1.571	1.000	090.0000
C29	1.571	1.000	090.0000
C30	18.850	6.000	180.0000
C68	18.850	12.000	090.0000
C69	22.001	14.000	090.0401

Dist COUNTY ROUTE POST MILES TOTAL PROJECT SHEET No. TOTAL SHEETS  
 04 ALA 123 4.5/5.1 17 53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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**HORIZONTAL LAYOUT LEGEND**

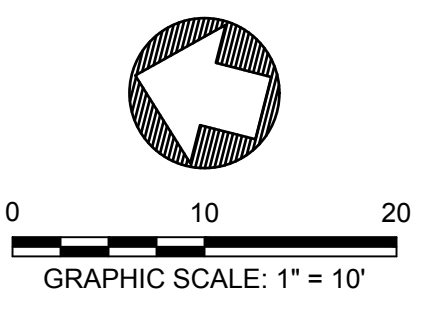
- PROPERTY LINE
- LIMIT OF WORK
- PROPOSED POT HOLE LOCATION TO VERIFY EXISTING UTILITY LOCATION AND DEPTH PRIOR TO CONSTRUCTION
- REPLACE ASPHALT CONCRETE SURFACING REFER TO PLANS FOR WIDTH
- MINOR CONCRETE FOR SIDEWALK (4" PCC OVER 4" CLASS 6 AB) PER CITY OF ALBANY STND DTL ST-4
- HOT MIXED ASPHALT (2" AC OVERLAY PER DTL 3/C-11)
- MINOR CONCRETE FOR ISLAND PAVING PER DTL 5/C-11
- HOT MIXED ASPHALT OVER AGGREGATE BASE SECTIONAL DEPTHS TO MATCH EXISTING
- JOINTED PLAIN CONCRETE PAVEMENT (SEE RELATED KEYNOTE)
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**HORIZONTAL LAYOUT KEYNOTES**

- 300 2.0' WIDE CONCRETE CURB AND GUTTER OVER 6" CLASS 2 AB TYPE A2-6 (UNLESS OTHERWISE NOTED ON PLANS) PER CALTRANS STND DTL A87A SEE PLAN FOR WIDTH. SEE DETAIL
- 301 CONCRETE PARKING STRIP OVER 6" CLASS 2 AB PER CITY OF ALBANY STND DTL ST-19
- 302 CONCRETE VALLEY GUTTER AND APRON. SEE PLAN FOR WIDTH PER CITY OF ALBANY STND DTL ST-19
- 303 VERTICAL CURB - TYPE A3-6 PER CALTRANS STND DTL A87A
- 304 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CALTRANS STND DTL RSP A88A
- 305 HMA PATCH (6" MINIMUM DEPTH) PER DTL 4/C-11
- 306 ACCESSIBLE CURB RAMP - CASE A (UNLESS OTHERWISE NOTED) PER CALTRANS STND DTL RSP A88A
- 307 NOT USED
- 308 MODIFIED ACCESSIBLE CURB RAMP - CASE CM PER CALTRANS STD. PLAN A88B
- 309 NOT USED
- 310 REMOVE AND REPLACE SIDEWALK DRAIN PER CITY OF ALBANY STND DTL ST 14 (OMIT V9 CHRISTY DRAIN BOX; CONNECT TO UNDERGROUNDED DOWNSPOUT)
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**HORIZONTAL LAYOUT GENERAL NOTES**

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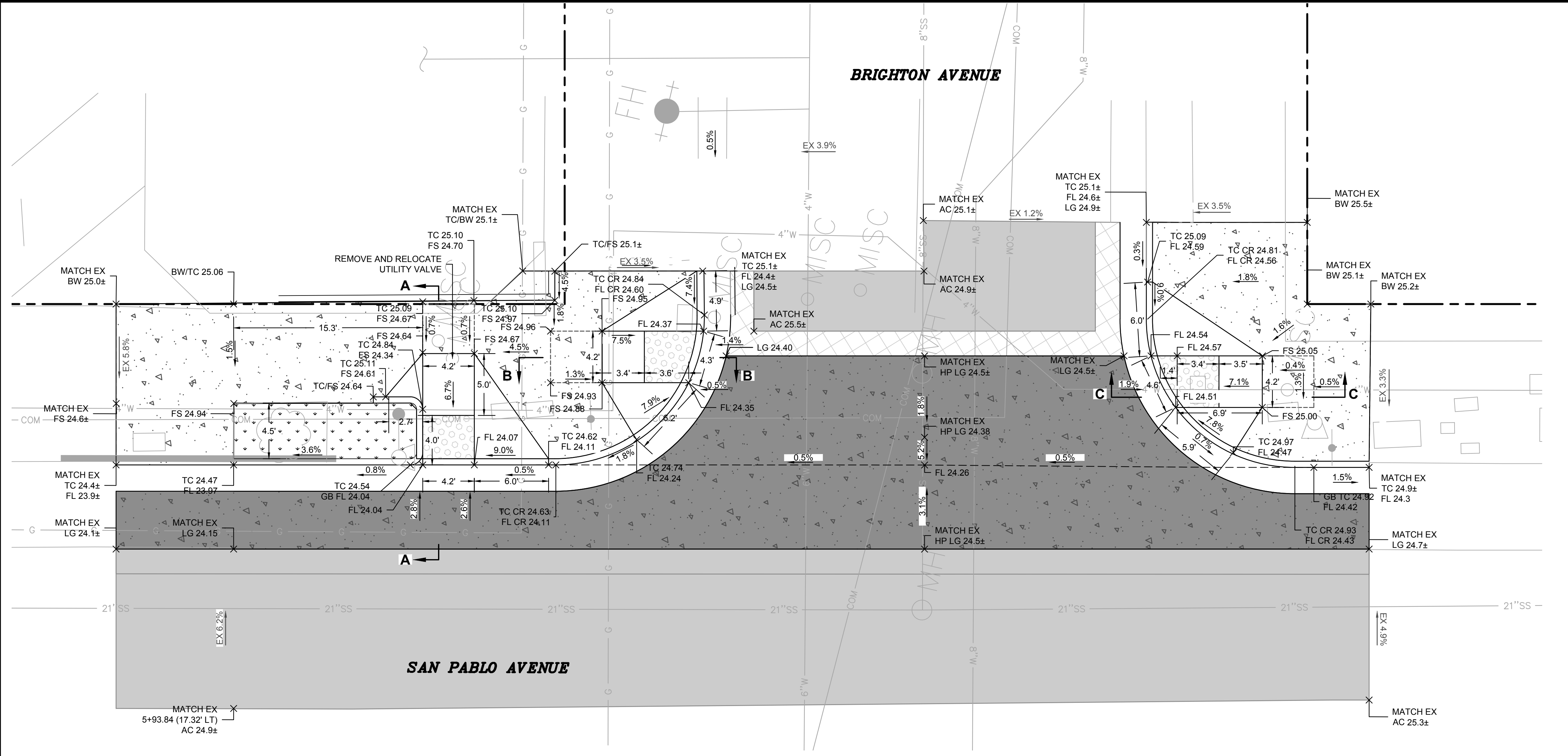
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	18	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



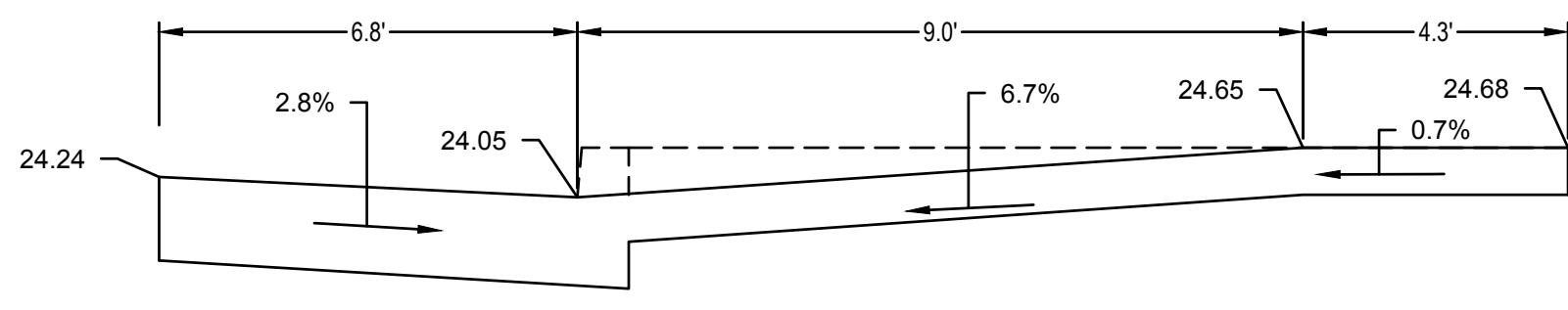
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	JOHN MACHADO	REVISOR BY	CAM
DATE: 07 Sep 2022 3:44:20 pm	JASON T. WHITE	DESIGNED BY	JOSEPH K. YOUNG	DATE REVISED	7/13/2022

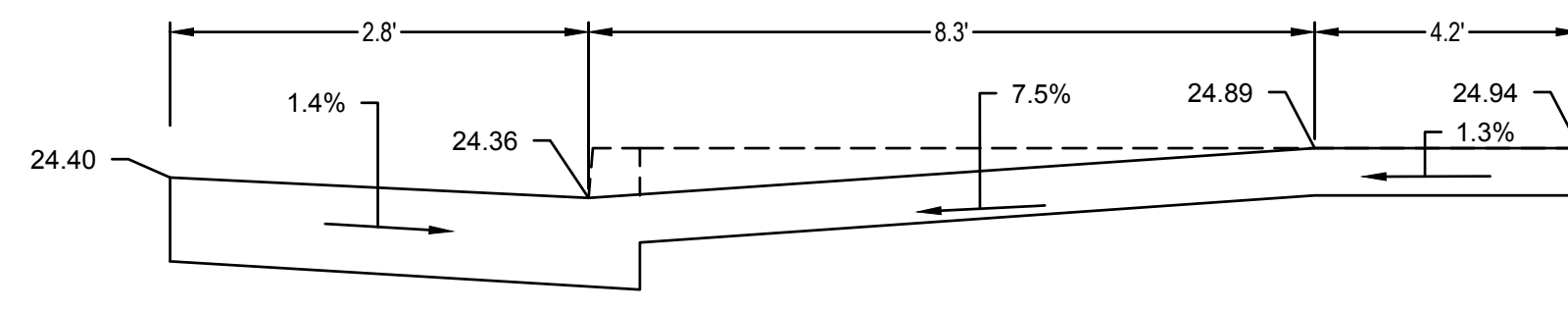


**CURB RETURN PLAN**  
 SAN PABLO AVENUE AT BRIGHTON AVENUE

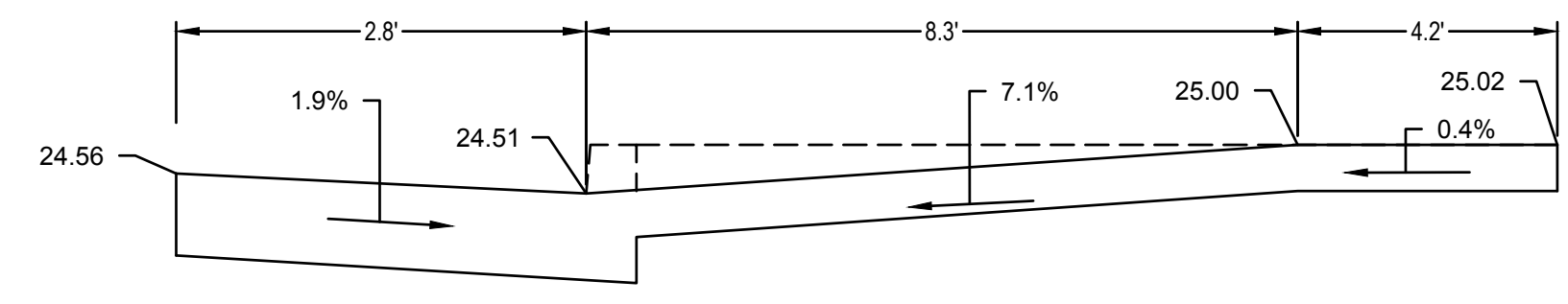
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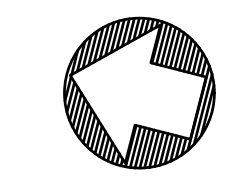
CROSS SECTION OF CURB RAMP (A-A)  
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CROSS SECTION OF CURB RAMP (B-B)  
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CROSS SECTION OF CURB RAMP (C-C)  
 NO SCALE



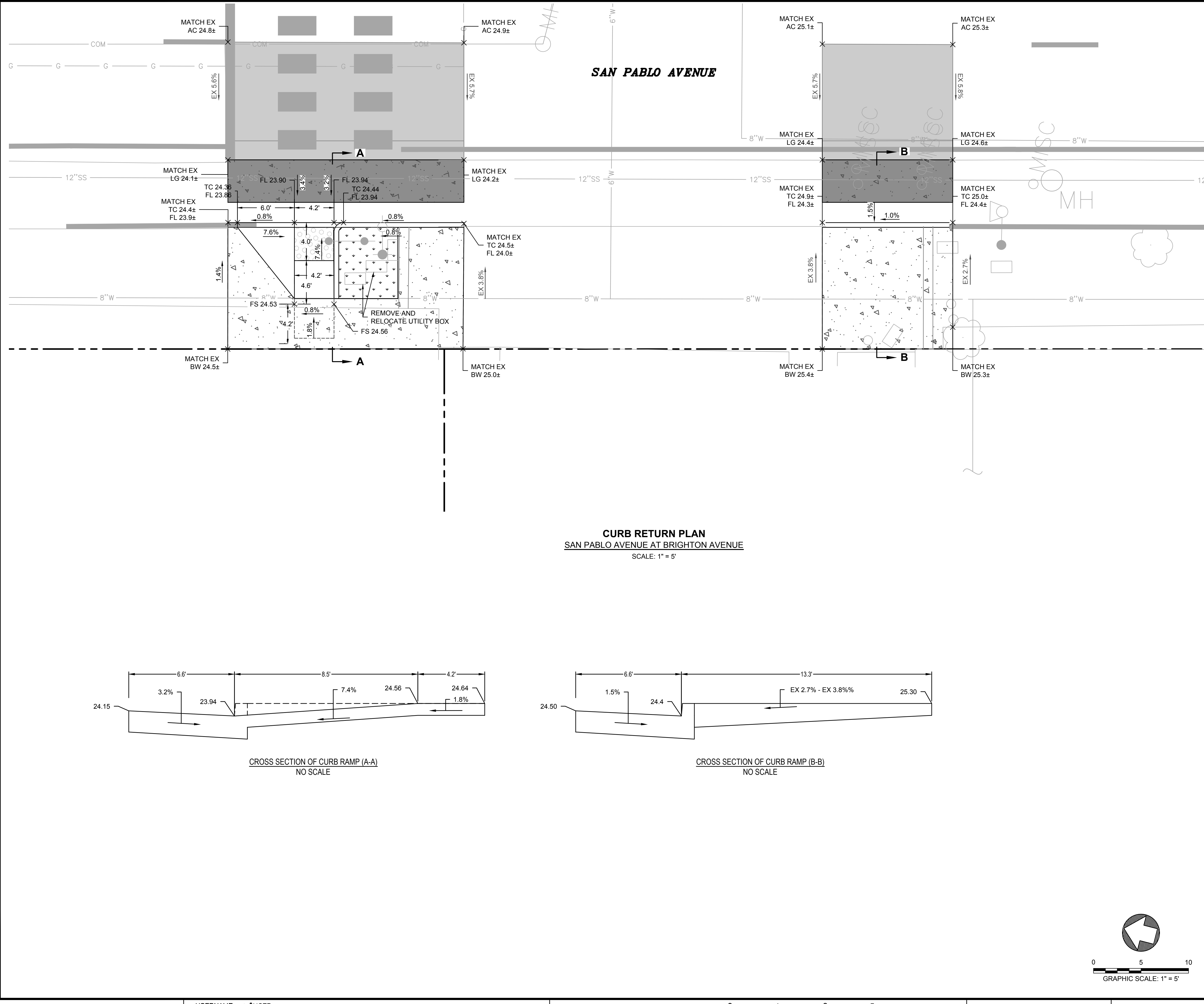
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CONSTRUCTION DETAILS C-1

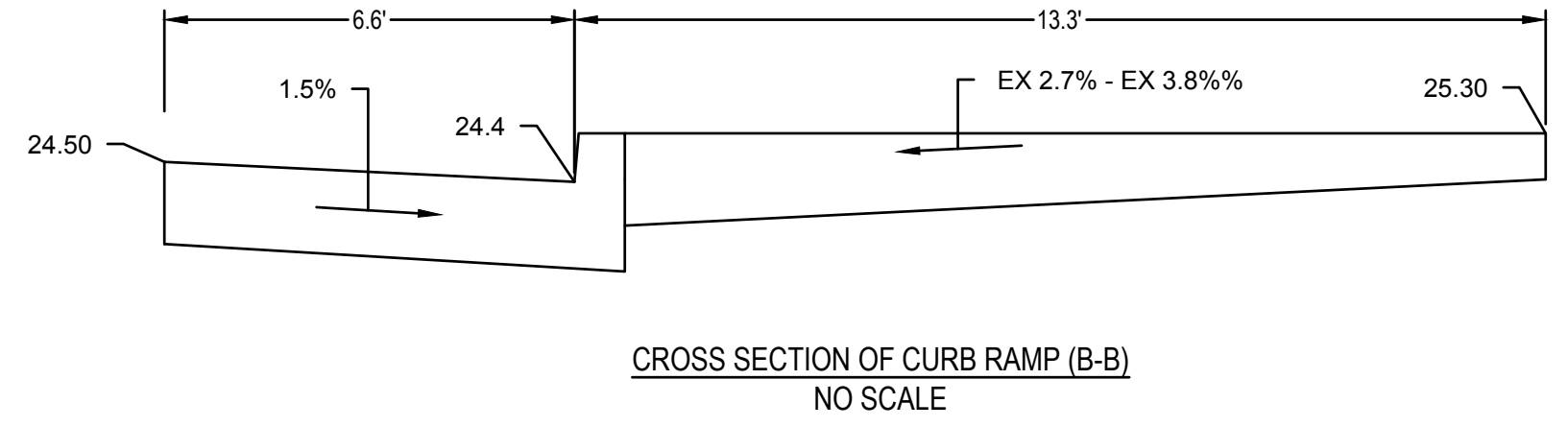
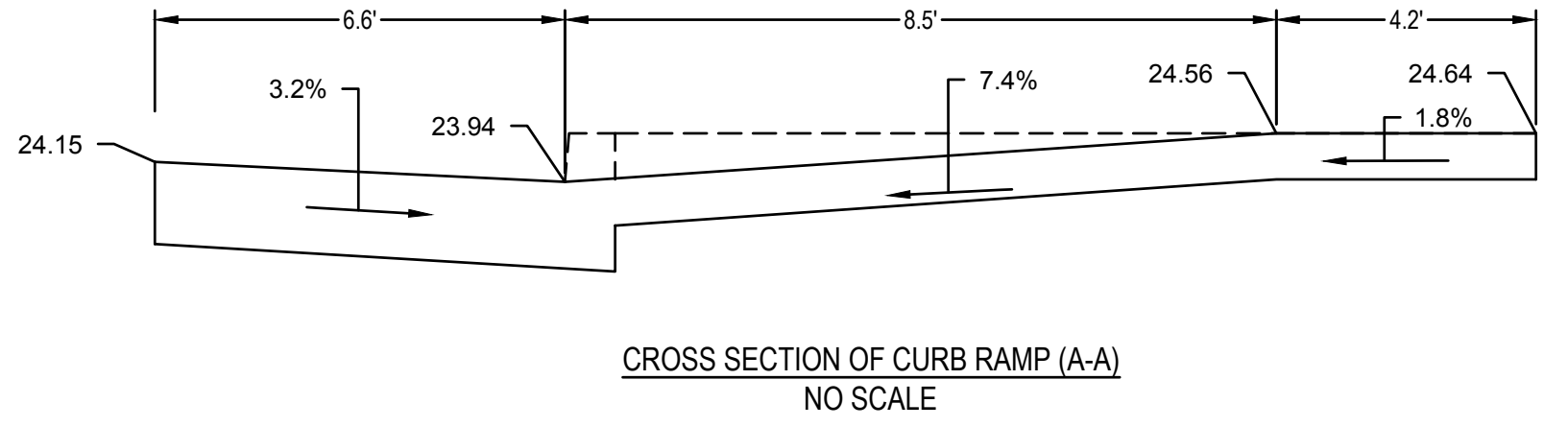
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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**CURB RETURN PLAN**  
 SAN PABLO AVENUE AT BRIGHTON AVENUE  
 SCALE: 1" = 5'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	19	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH K. YOUNG  
 No. C84619  
 EXP 09/23  
 CIVIL  
 STATE OF CALIFORNIA

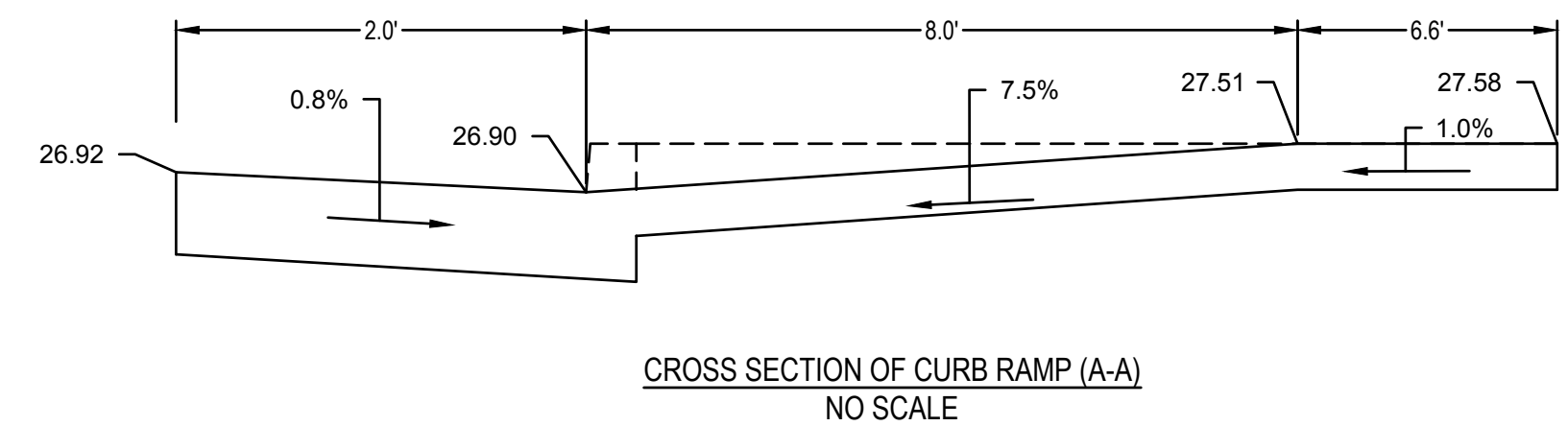
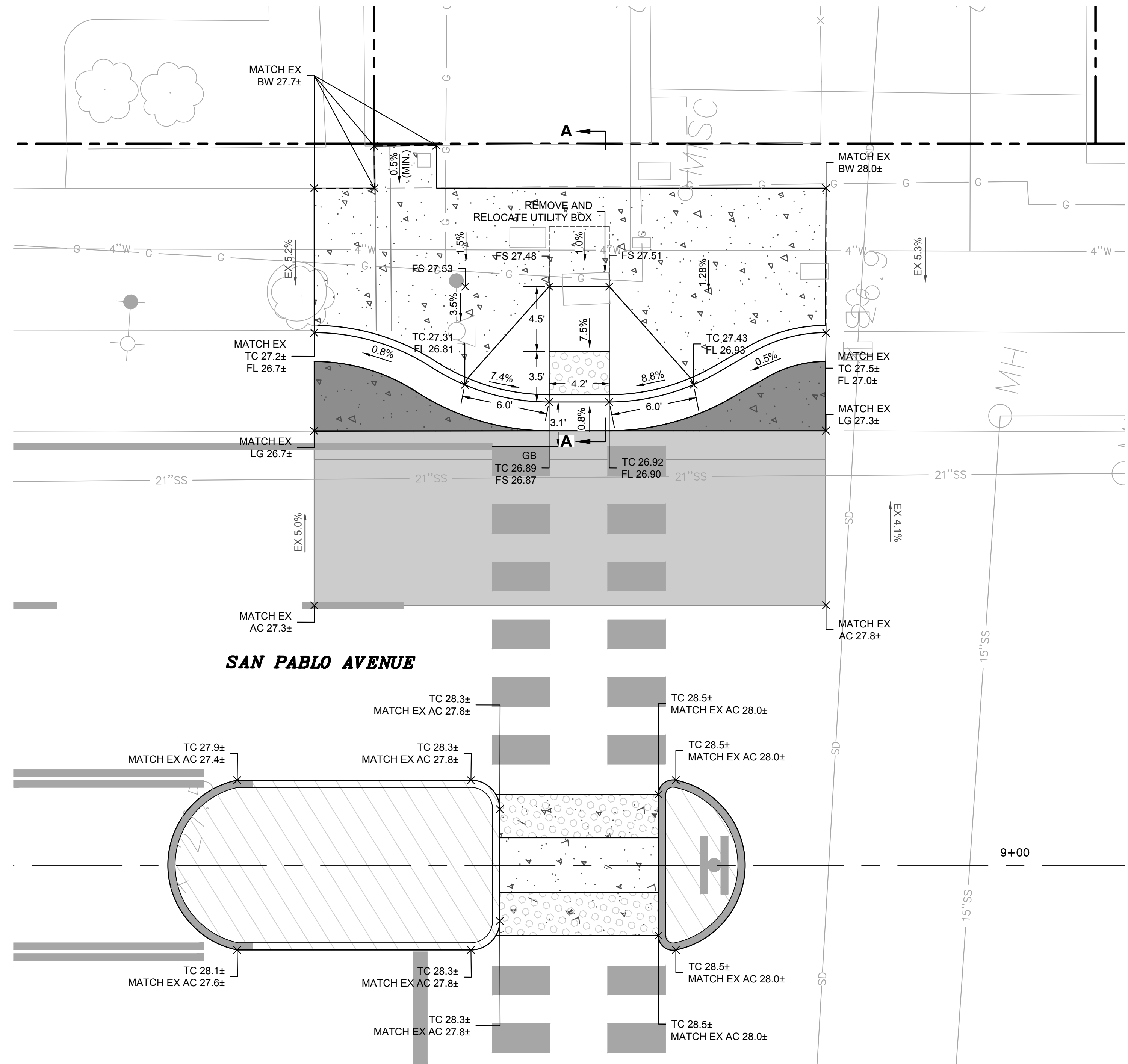
LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:35 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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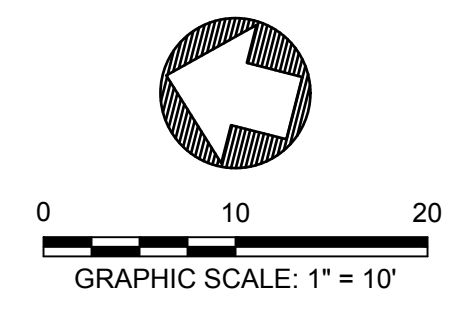
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
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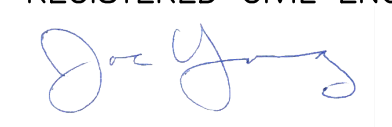
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR JASON T. WHITE  
 CALCULATED BY DESIGNED BY CHECKED BY  
 JOHN MACHADO JOSEPH K. YOUNG  
 REVISED BY CAM DATE REVISED 7/13/2022  
 BORDER LAST REVISED 7/2/2010  
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 RELATIVE BORDER SCALE IS IN INCHES  
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 PROJECT NUMBER & PHASE  
 XXXXXXXXXXXX



CONSTRUCTION DETAILS C-3

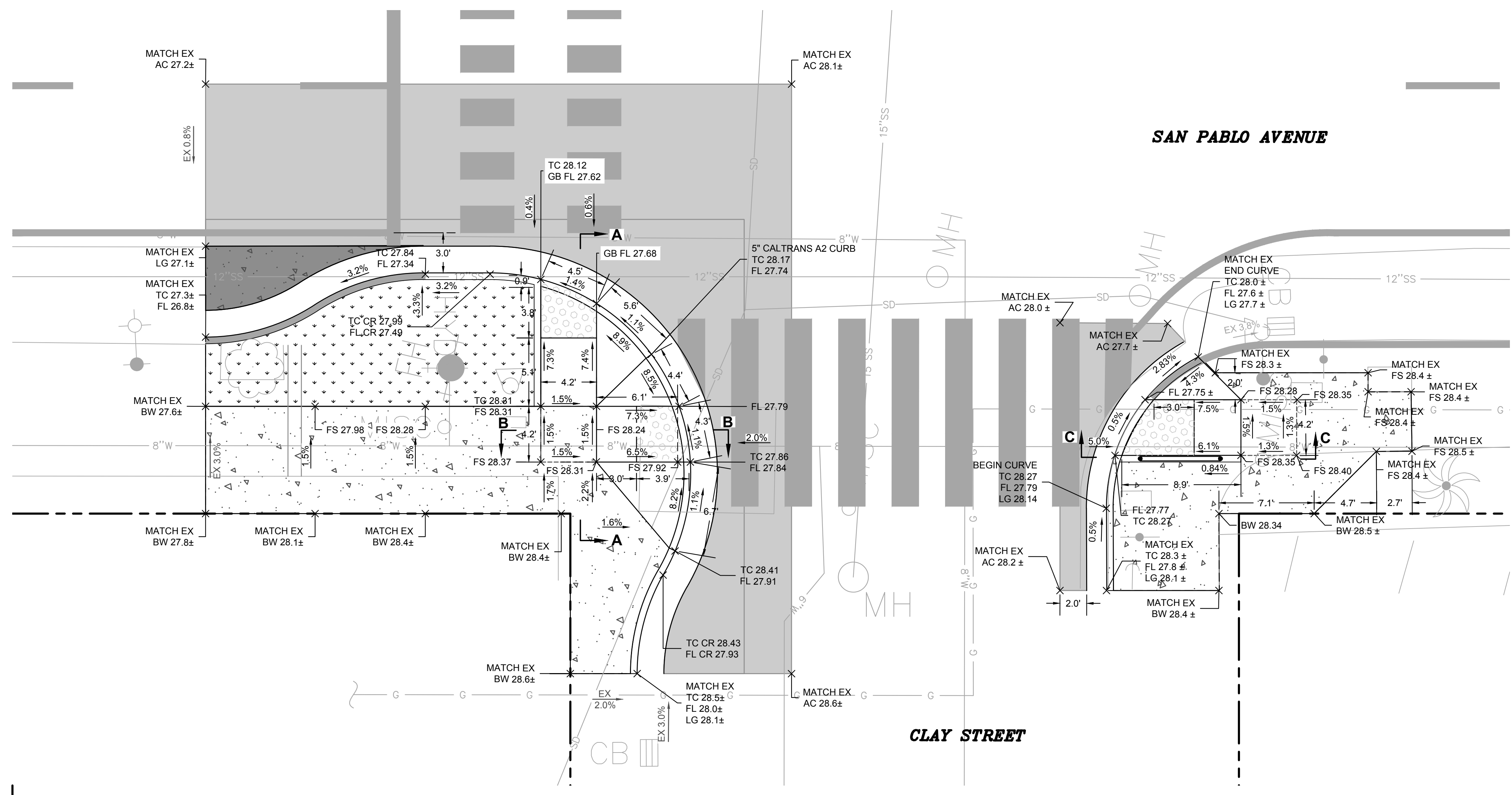
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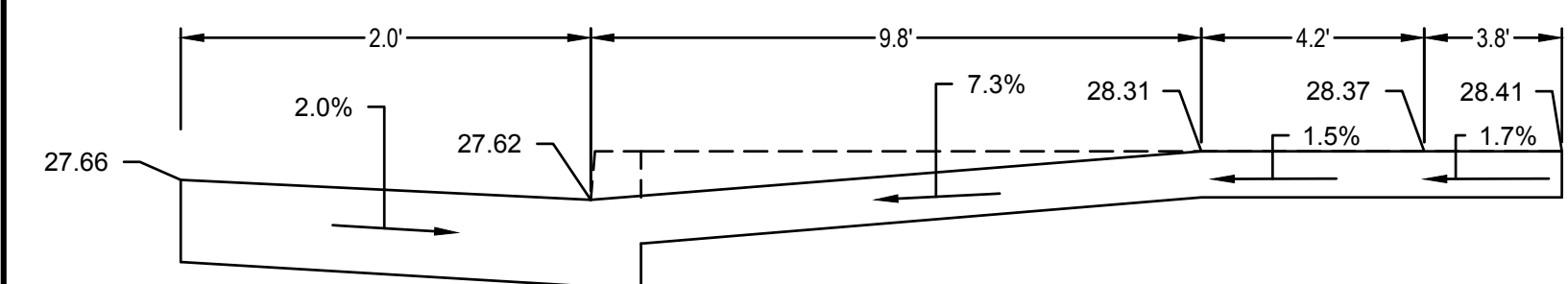
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



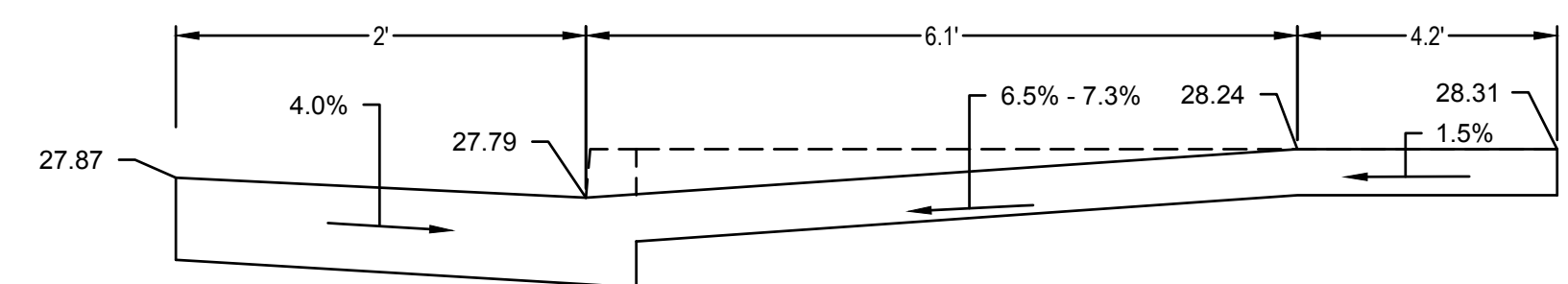
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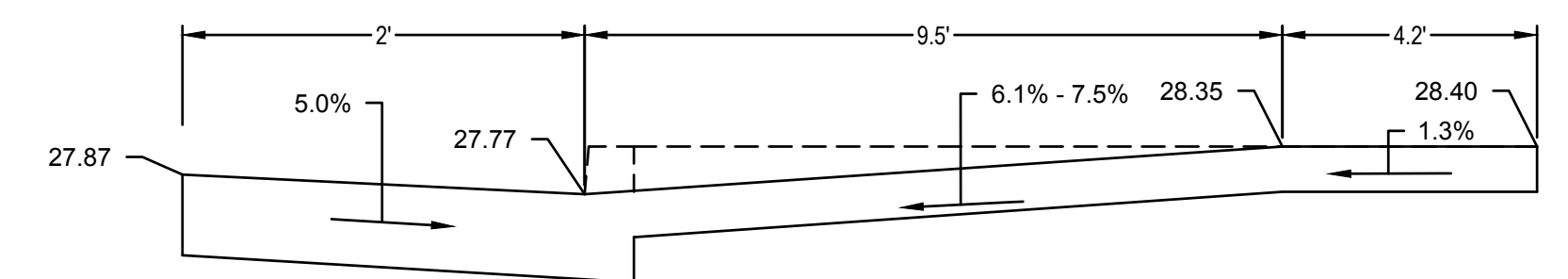
**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT CLAY STREET  
 SCALE: 1" = 5'



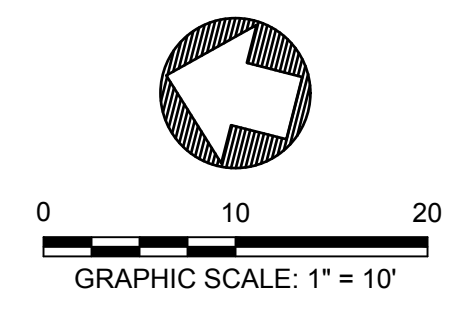
CROSS SECTION OF CURB RAMP (A-A)  
 NO SCALE



CROSS SECTION OF CURB RAMP (B-B)  
 NO SCALE



CROSS SECTION OF CURB RAMP (C-C)  
 NO SCALE



CONSTRUCTION DETAILS C-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CALCULATED/DESIGNED BY: [blank] CHECKED BY: [blank]  
 JOHN MACHADO JOSEPH K. YOUNG  
 REVISOR BY: CAM DATE REVISED: 7/13/2022  
 BORDER LAST REVISED 7/2/2010  
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 RELATIVE BORDER SCALE IS IN INCHES  
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 PROJECT NUMBER & PHASE  
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LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:37 pm

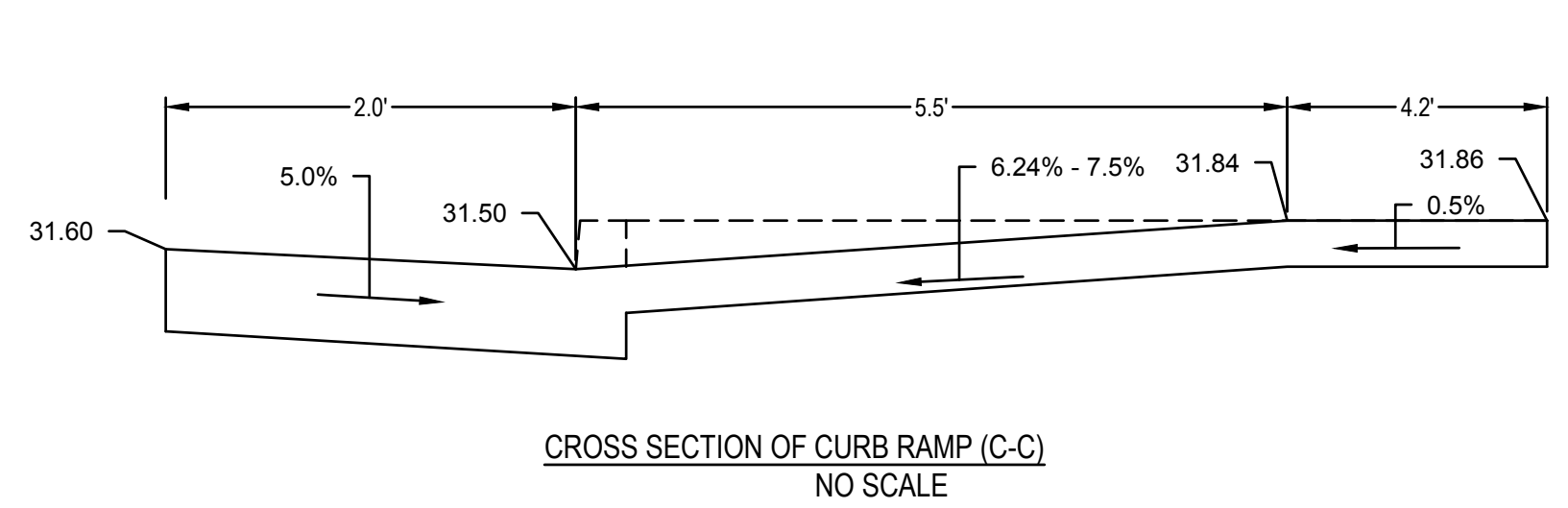
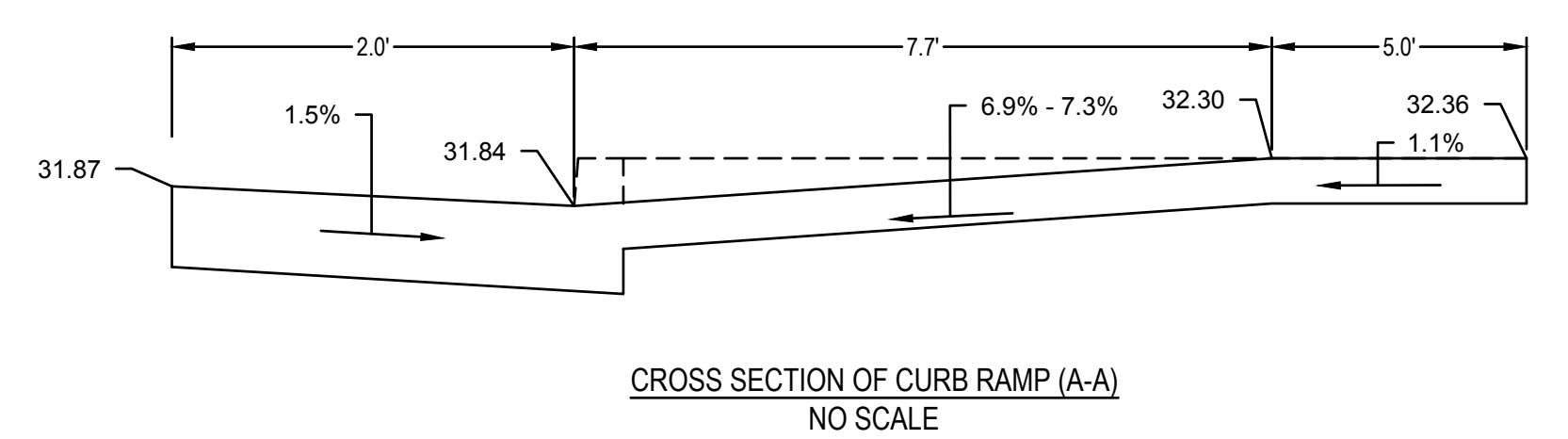
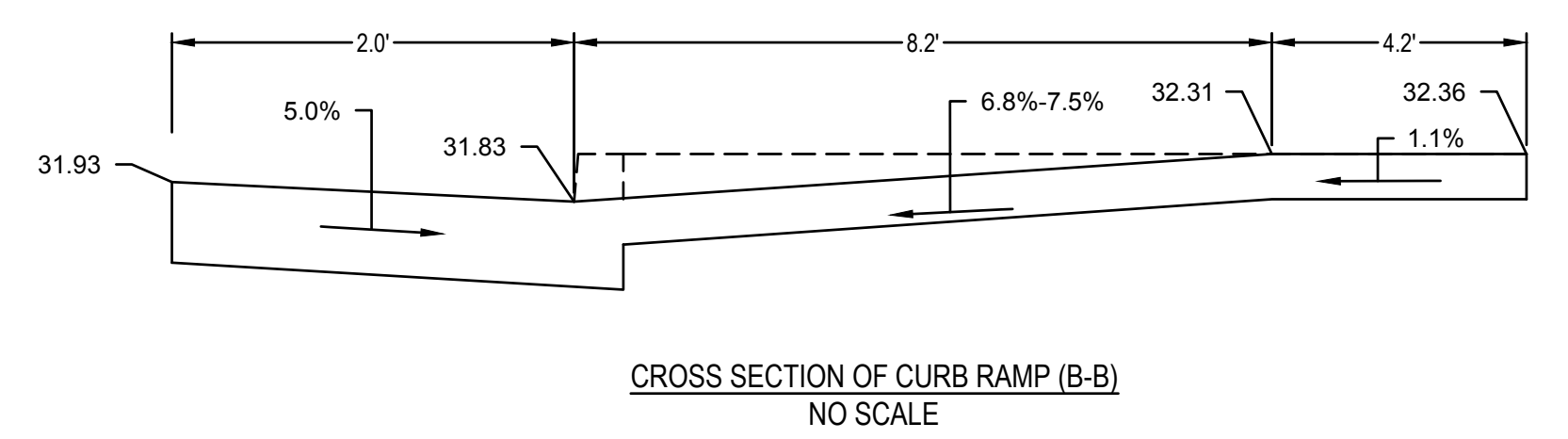
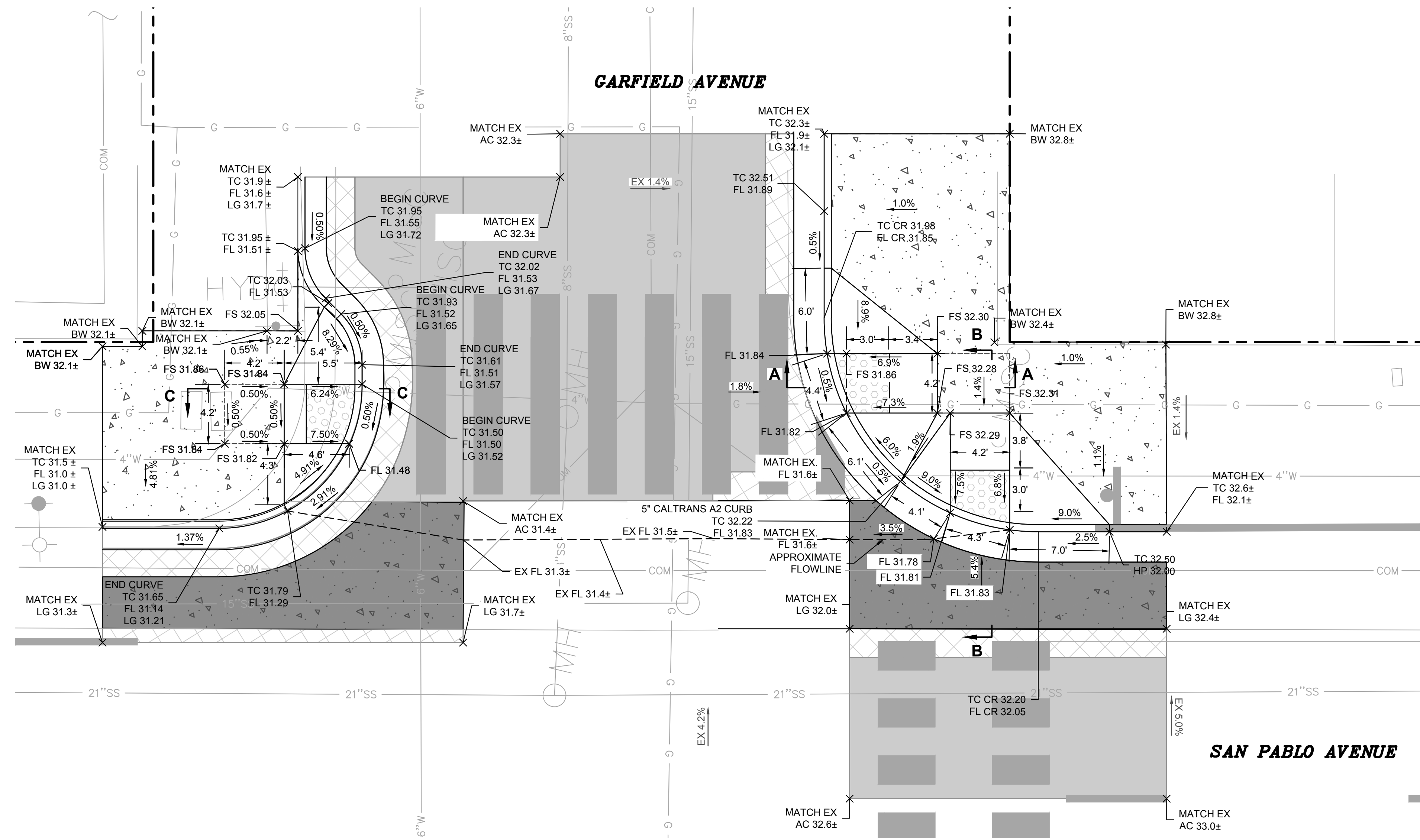
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	22	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
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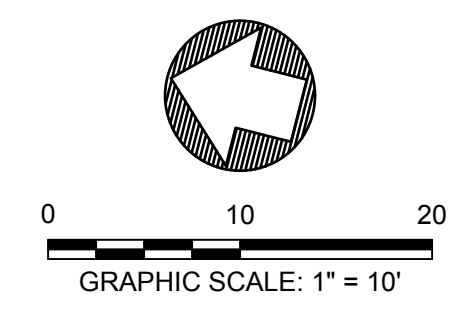


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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR BY	DATE
JOHN MACHADO	JASON T. WHITE	JOSEPH K. YOUNG	CAM	7/13/2022



**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT GARFIELD AVENUE  
 SCALE: 1" = 5'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	JOHN MACHADO	REVISOR BY	CAM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	JOSEPH K. YOUNG	DATE REVISED	7/13/2022
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	JOHN MACHADO	DATE REVISED	7/13/2022
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	JOSEPH K. YOUNG	DATE REVISED	7/13/2022

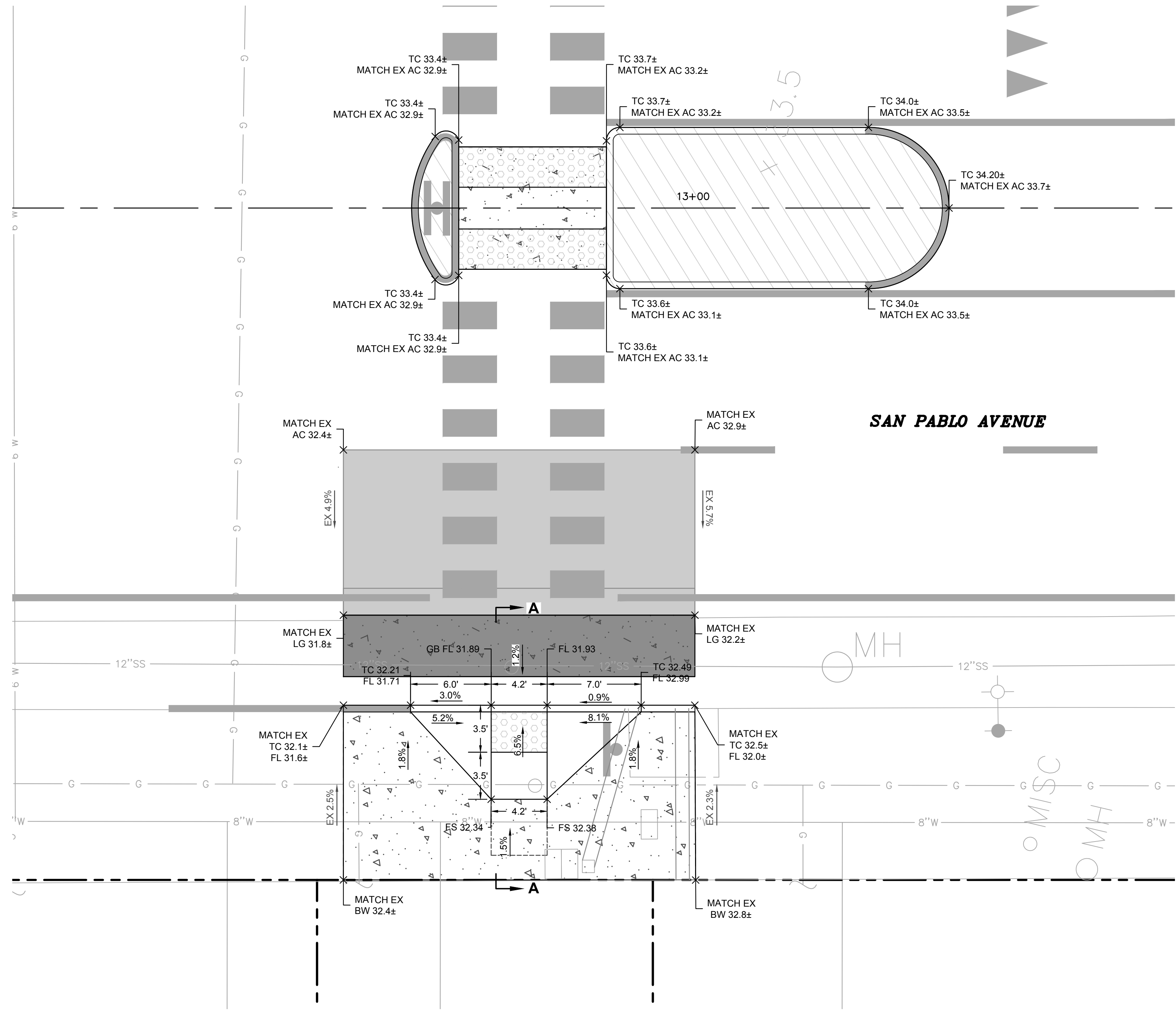
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	23	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

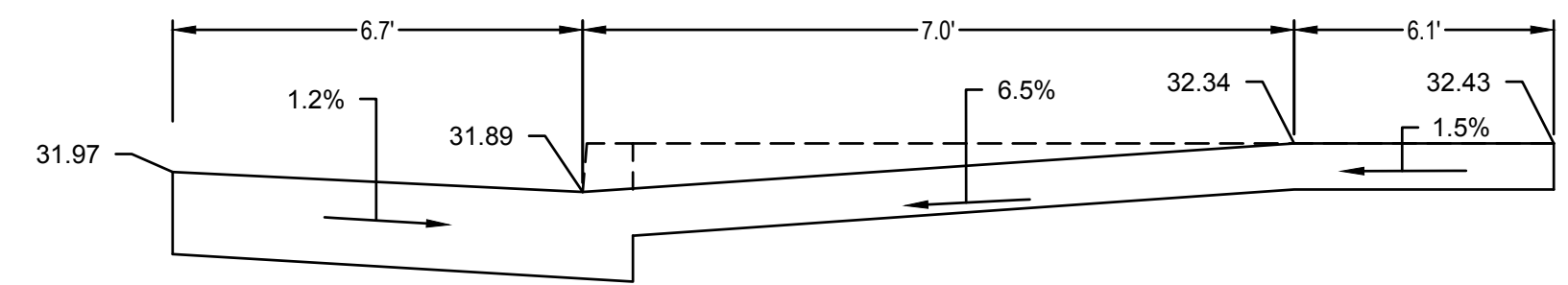
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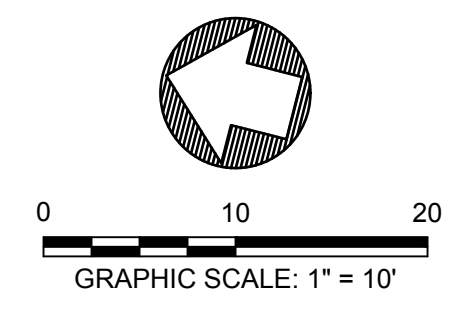
1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596



**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT GARFIELD AVENUE  
 SCALE: 1" = 5'



**CROSS SECTION OF CURB RAMP (A-A)**  
 NO SCALE



LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:39 pm

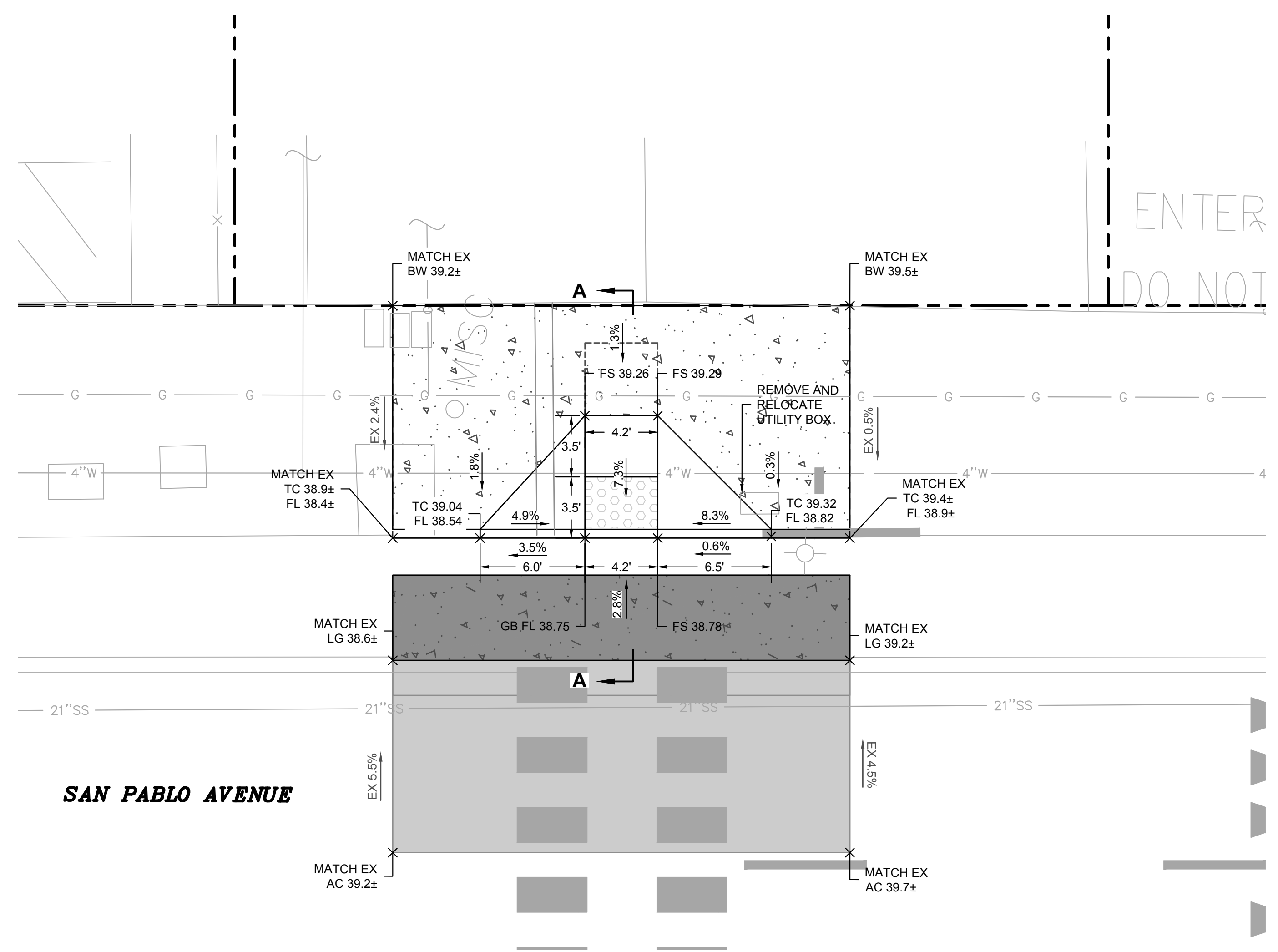
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	24	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
*Joseph Young*  
 PLANS APPROVAL DATE  
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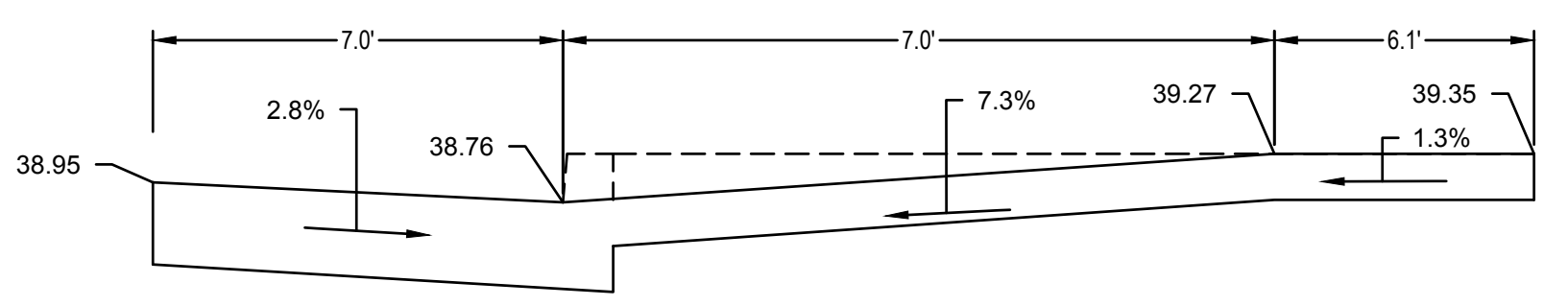


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 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	JOHN MACHADO	REVISOR BY	CAM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	JASON T. WHITE	CHECKED BY	JOSEPH K. YOUNG	DATE REVISED	7/13/2022



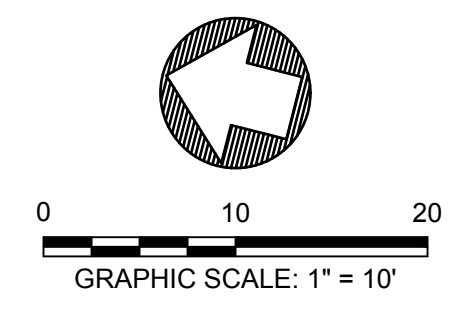
**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT CASTRO STREET  
 SCALE: 1" = 5'



**CROSS SECTION OF CURB RAMP (A-A)**  
 NO SCALE

ENTER  
DO NOT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 BORDER LAST REVISED 7/2/2010  
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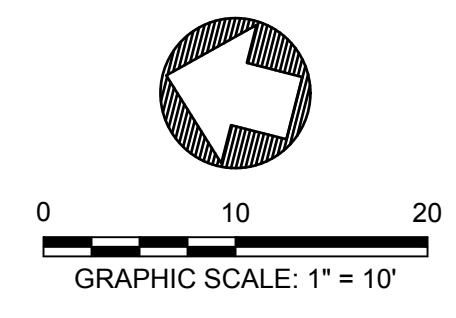
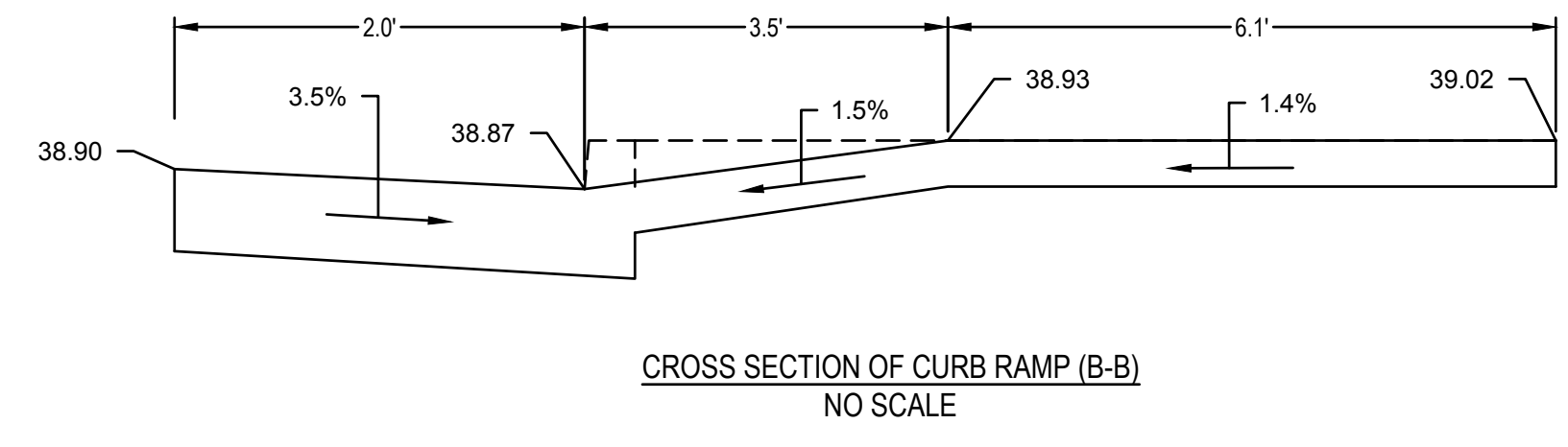
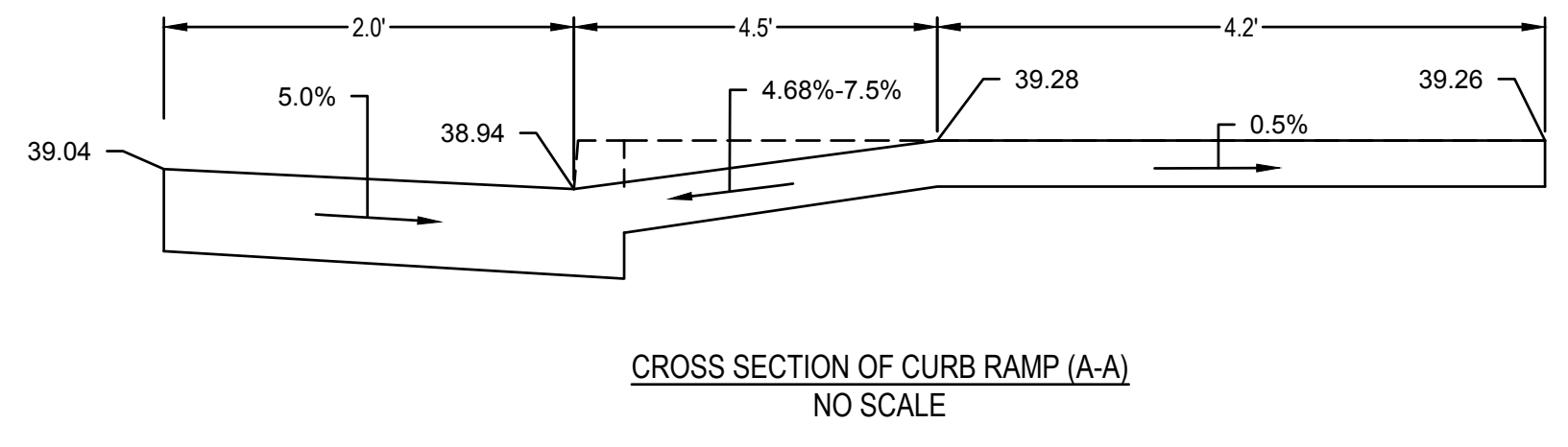
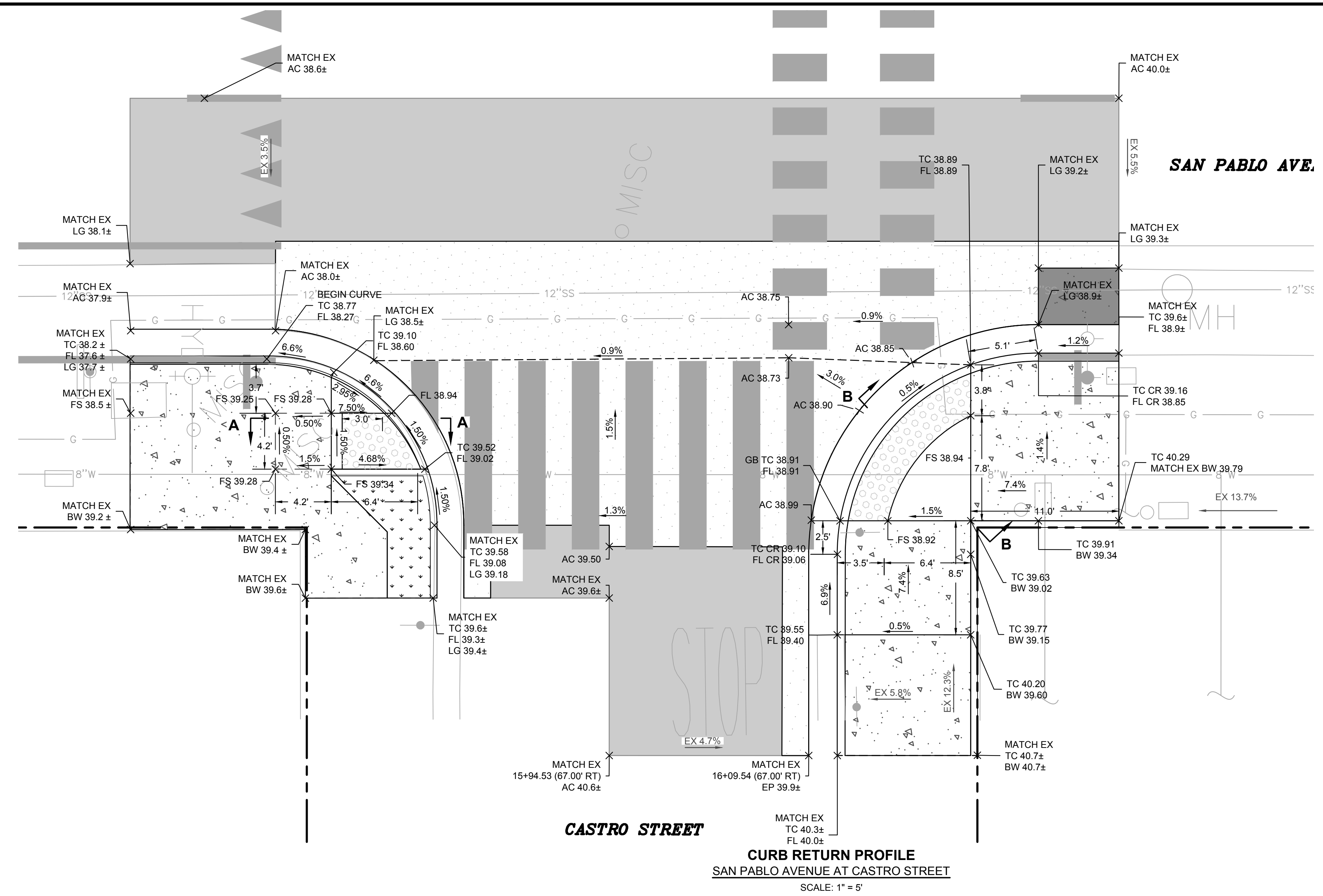
CONSTRUCTION DETAILS C-7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	25	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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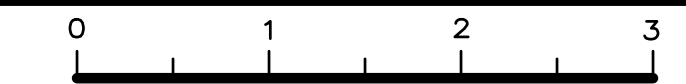
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR JASON T. WHITE  
 CALCULATED/DESIGNED BY JOHANN MACHADO  
 CHECKED BY JOSEPH K. YOUNG  
 REVISED BY CAM DATE REVISED 7/13/2022



BORDER LAST REVISED 7/2/2010

USERNAME => \$USER  
 DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES



UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX

DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 3:41 pm

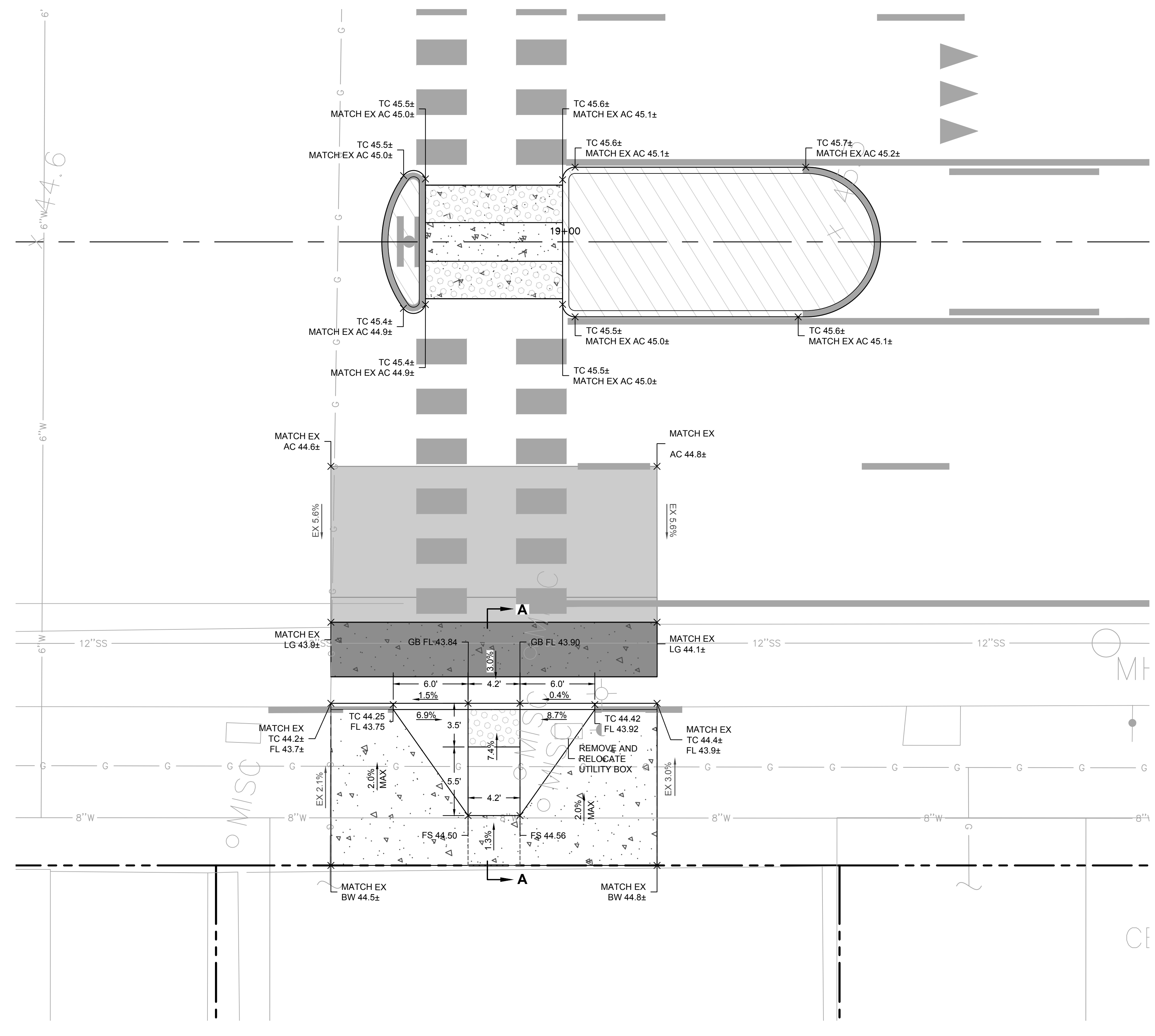
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	26	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
*Joseph Young*  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

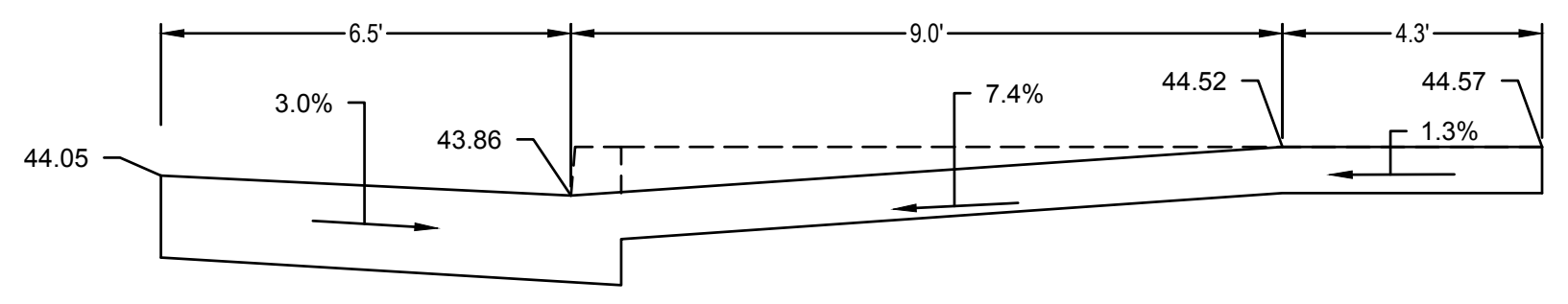


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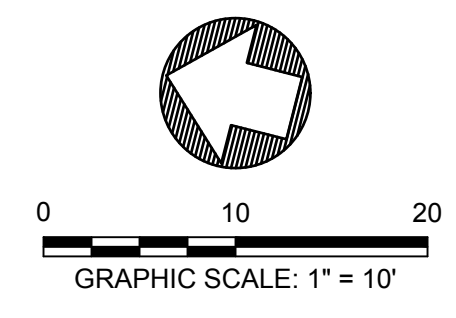
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY	DATE
Jason T. White	John Machado	Joseph K. Young	7/13/2022	



**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT PORTLAND AVENUE  
 SCALE: 1" = 5'



**CROSS SECTION OF CURB RAMP (A-A)**  
 NO SCALE



CONSTRUCTION DETAILS C-9

LAST REVISION 05-24-19 DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:42 pm



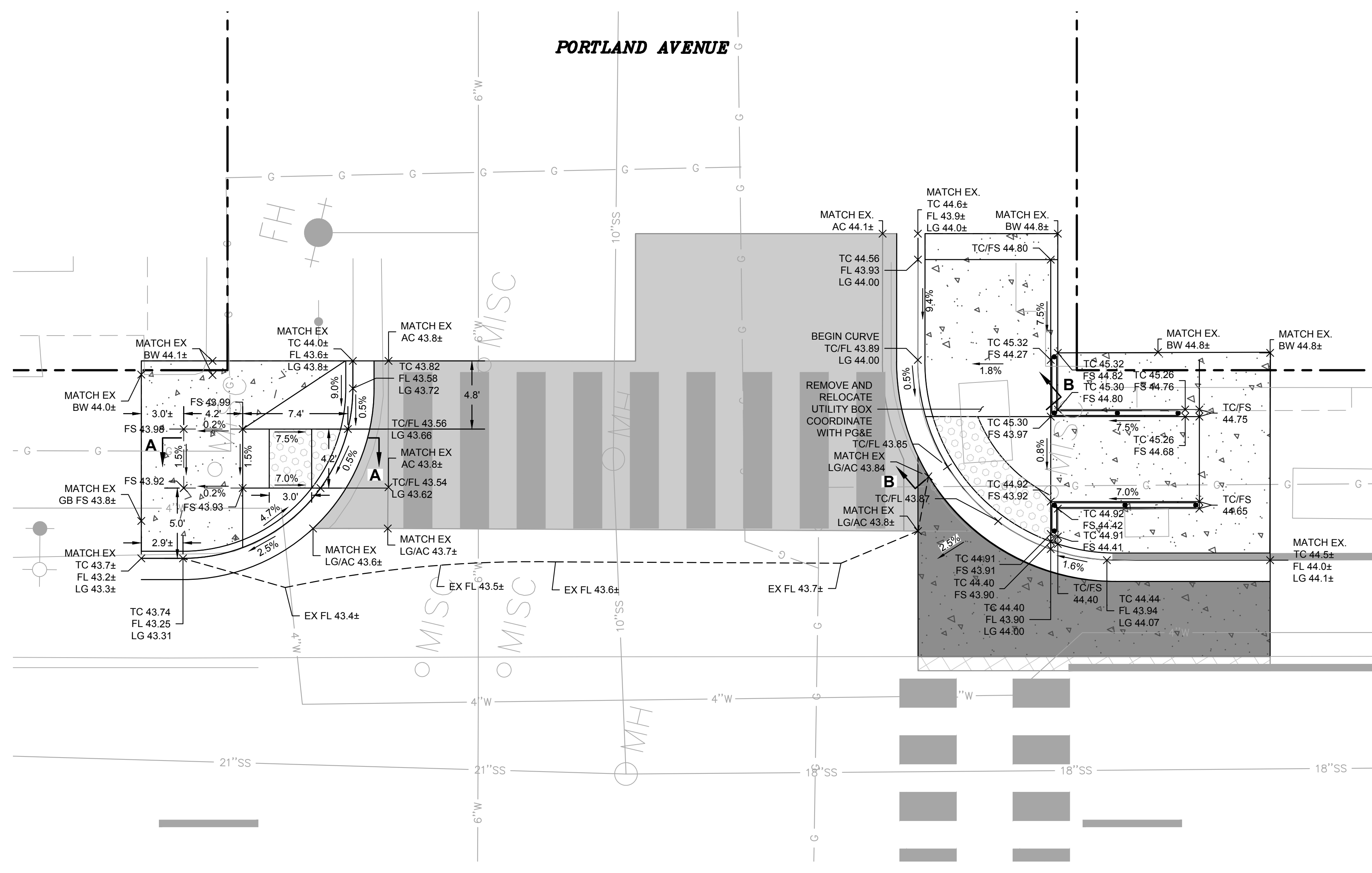
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	27	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

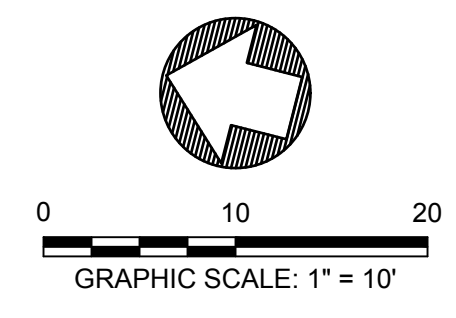
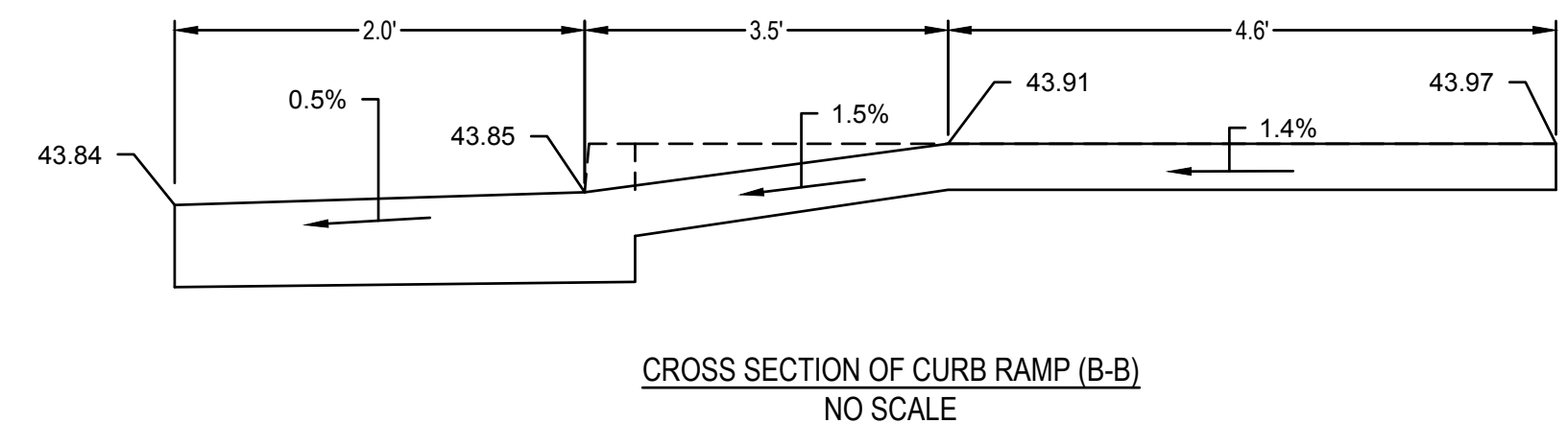
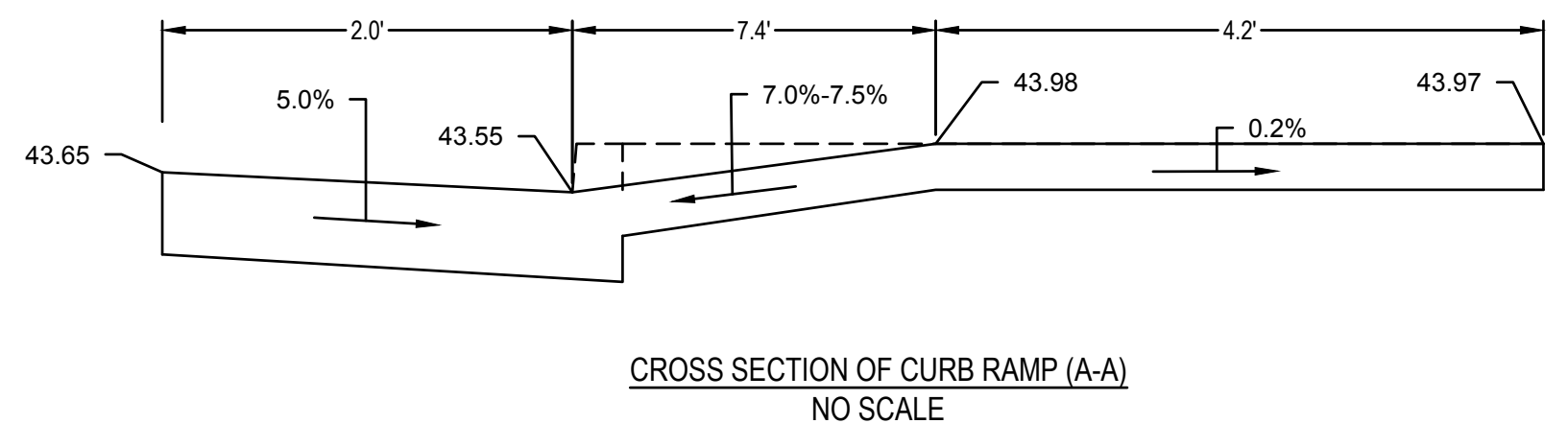


**BKF** 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com  
 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY	JOHN MACHADO	REVISOR	CAM
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	JASON T. WHITE	JOSEPH K. YOUNG	JOSEPH K. YOUNG	JOSEPH K. YOUNG	7/13/2022	7/13/2022



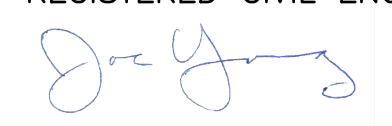
**CURB RETURN PROFILE**  
 SAN PABLO AVENUE AT PORTLAND AVENUE  
 SCALE: 1" = 5'



CONSTRUCTION DETAILS C-10

LAST REVISION 05-24-19 TIME PLOTTED => 3:43 pm DATE PLOTTED => Sep 07 2022

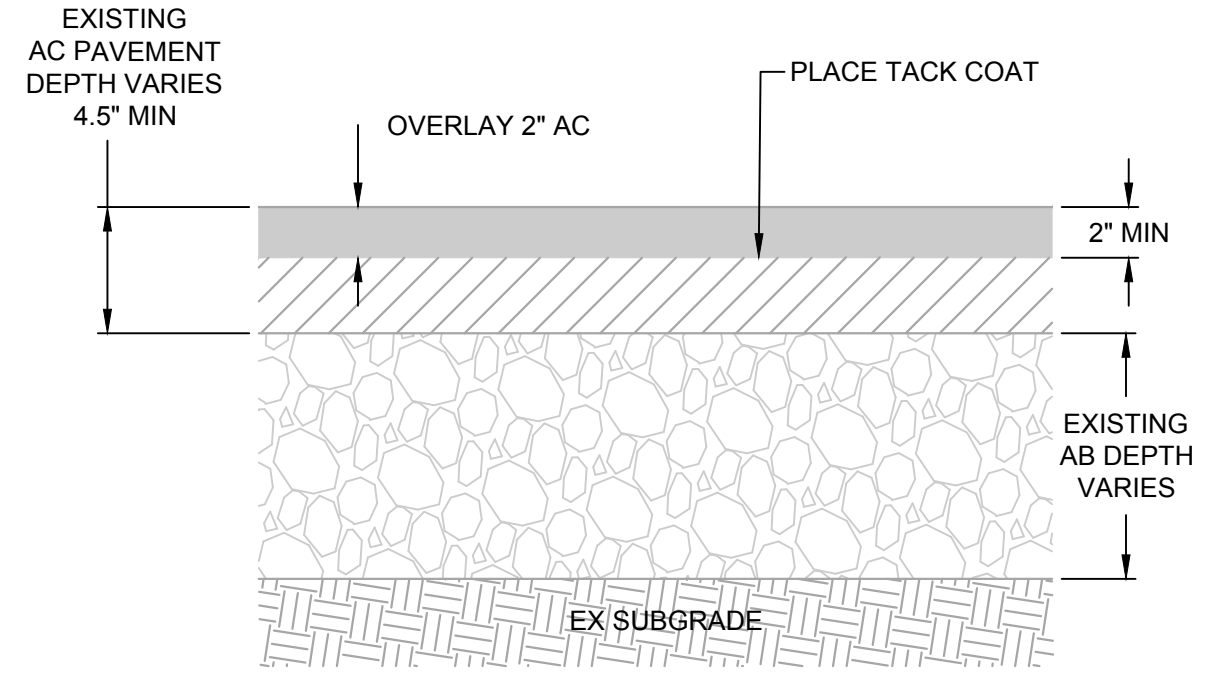
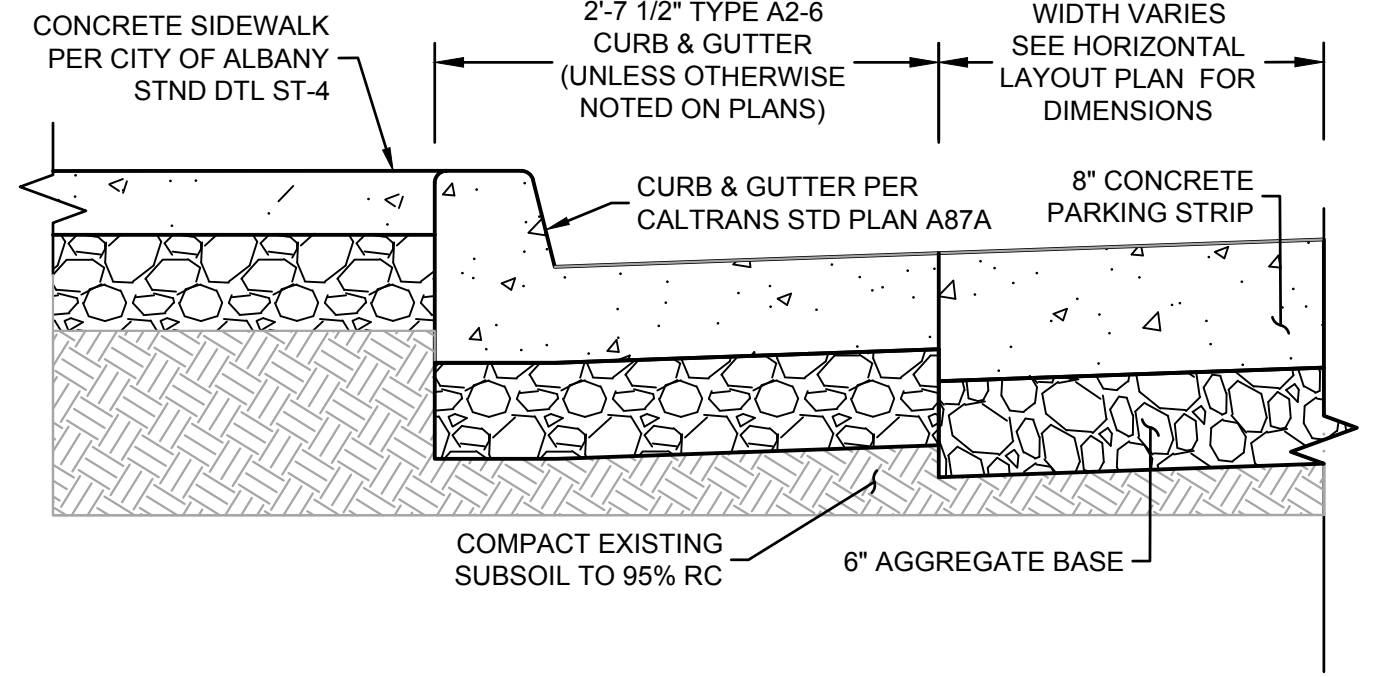
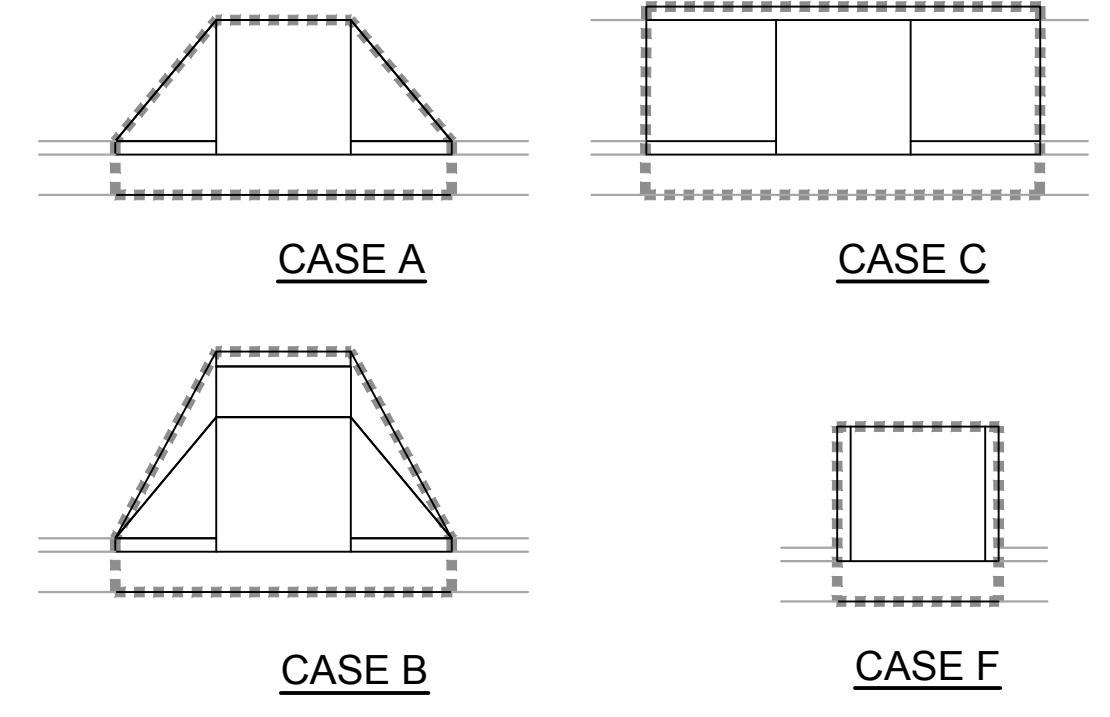
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	28	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

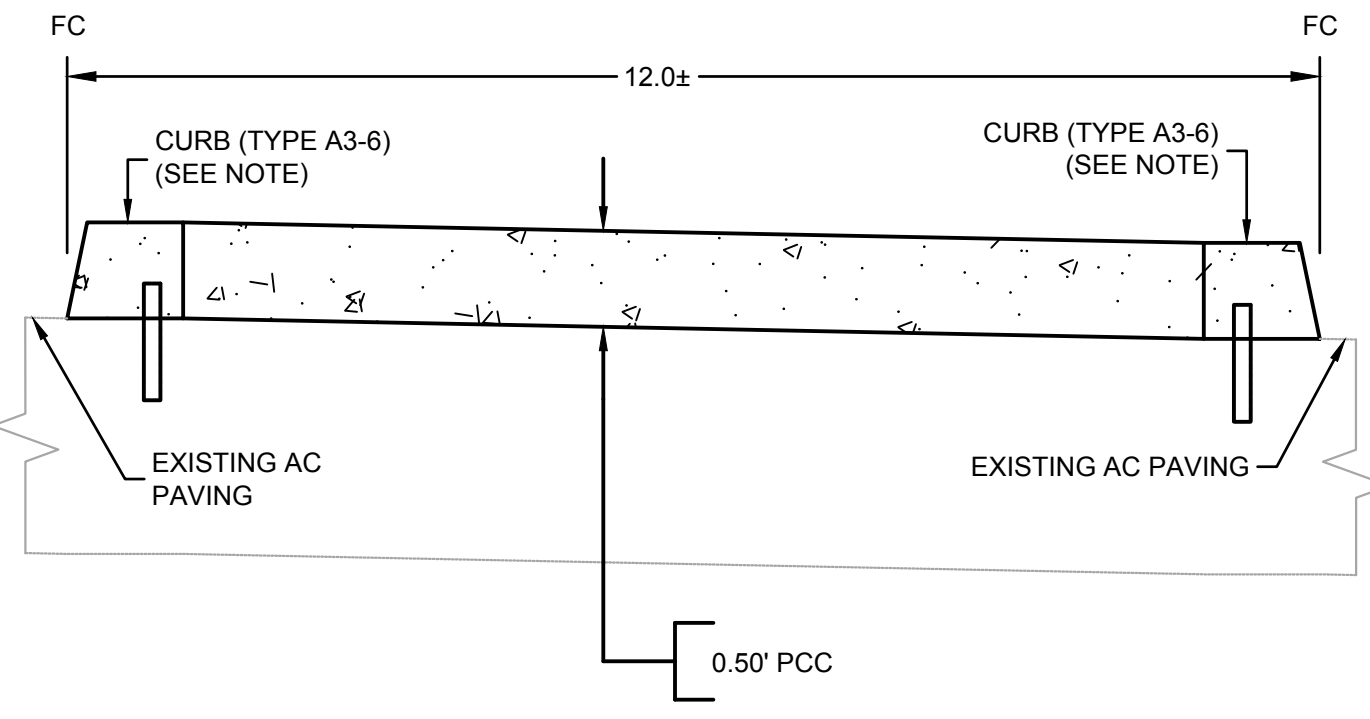
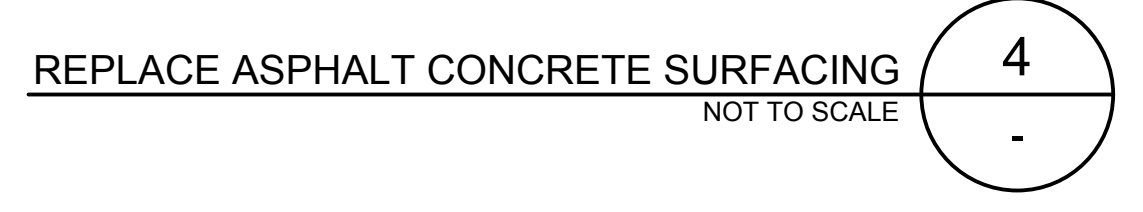
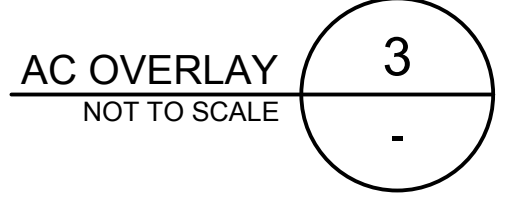
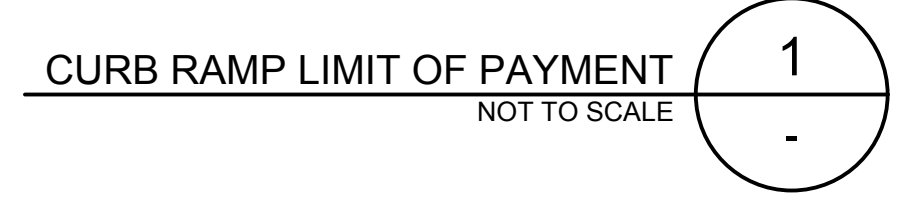
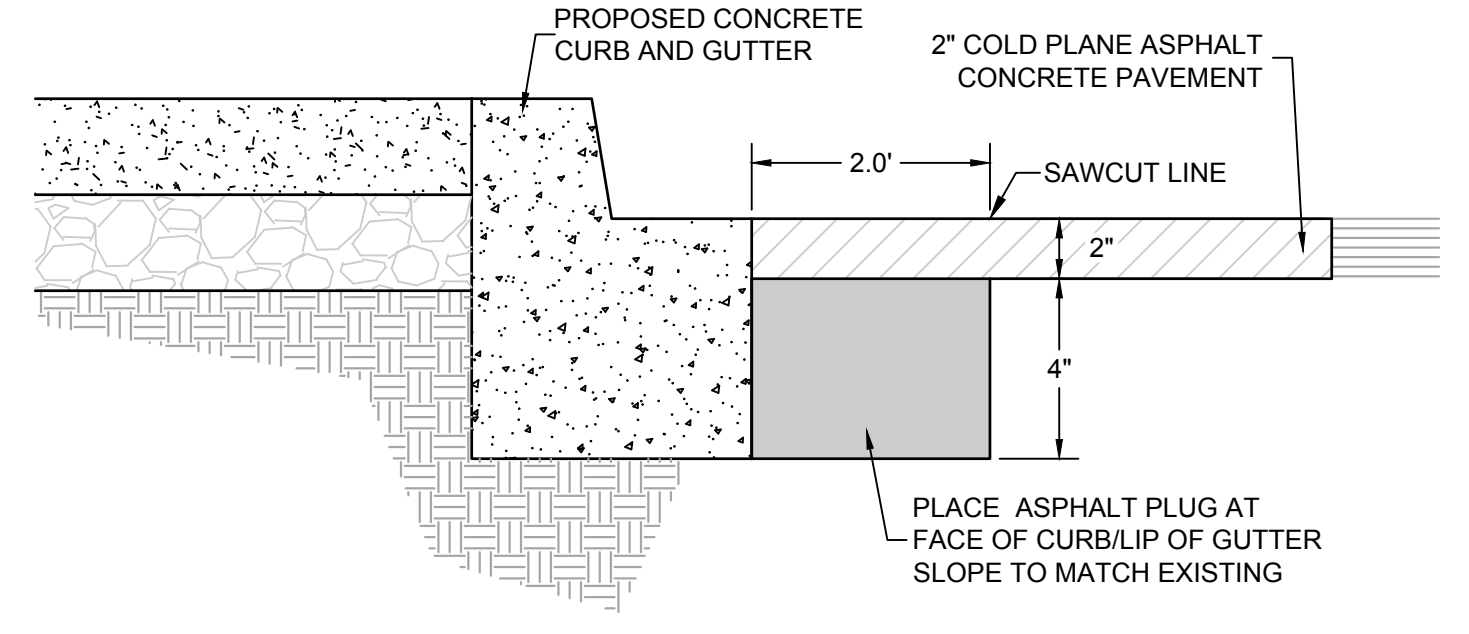


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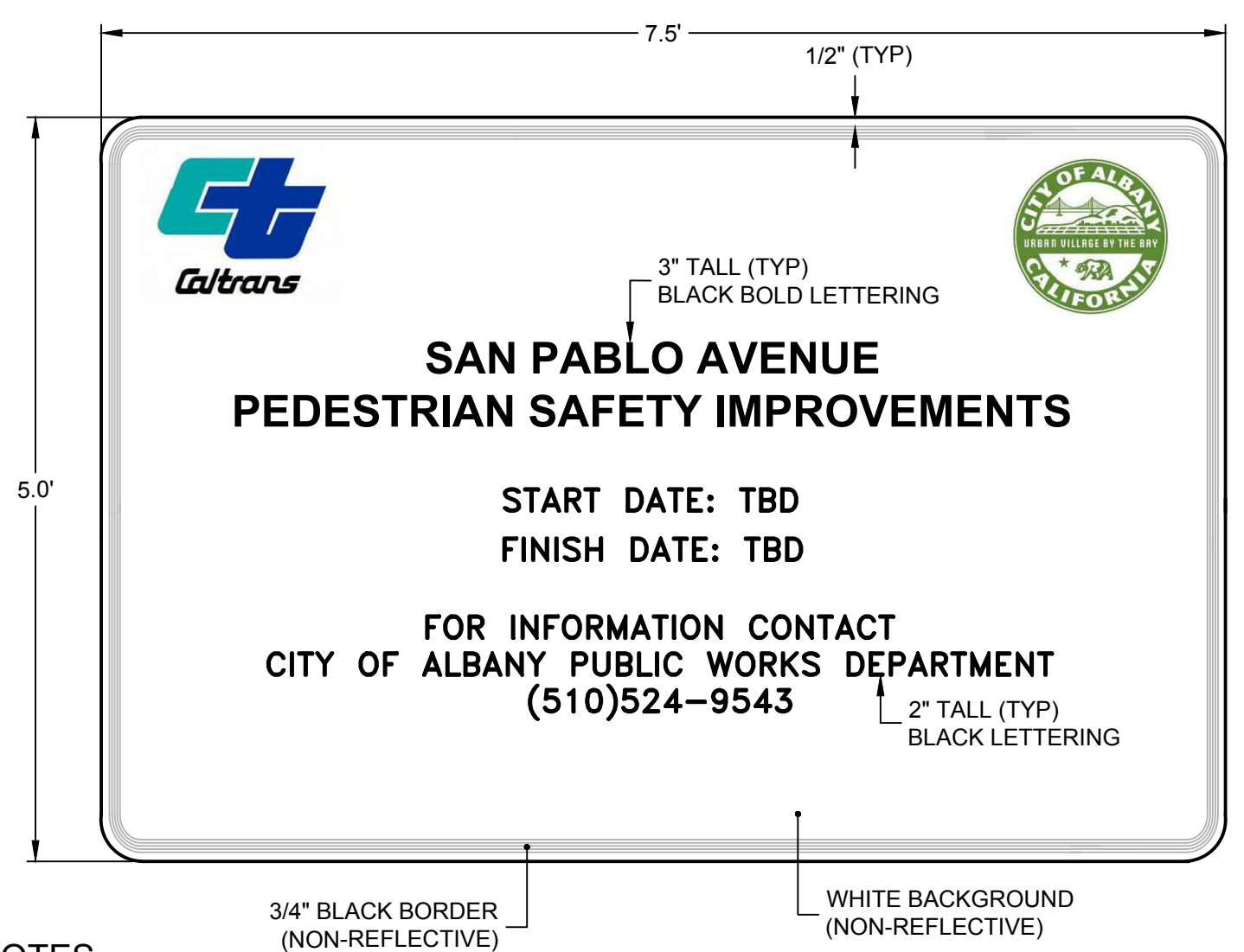
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR JASON T. WHITE  
 REVISIONS: CAM 7/13/2022  
 JOHN MACHADO JOSEPH K. YOUNG  
 CALCULATED BY DESIGNED BY CHECKED BY  
 BORDER LAST REVISED 7/2/2010  
 USERNAME => \$USER DGN FILE => \$REQUEST  
 RELATIVE BORDER SCALE IS IN INCHES  
 UNIT XXXX  
 PROJECT NUMBER & PHASE XXXXXXXXXXXX



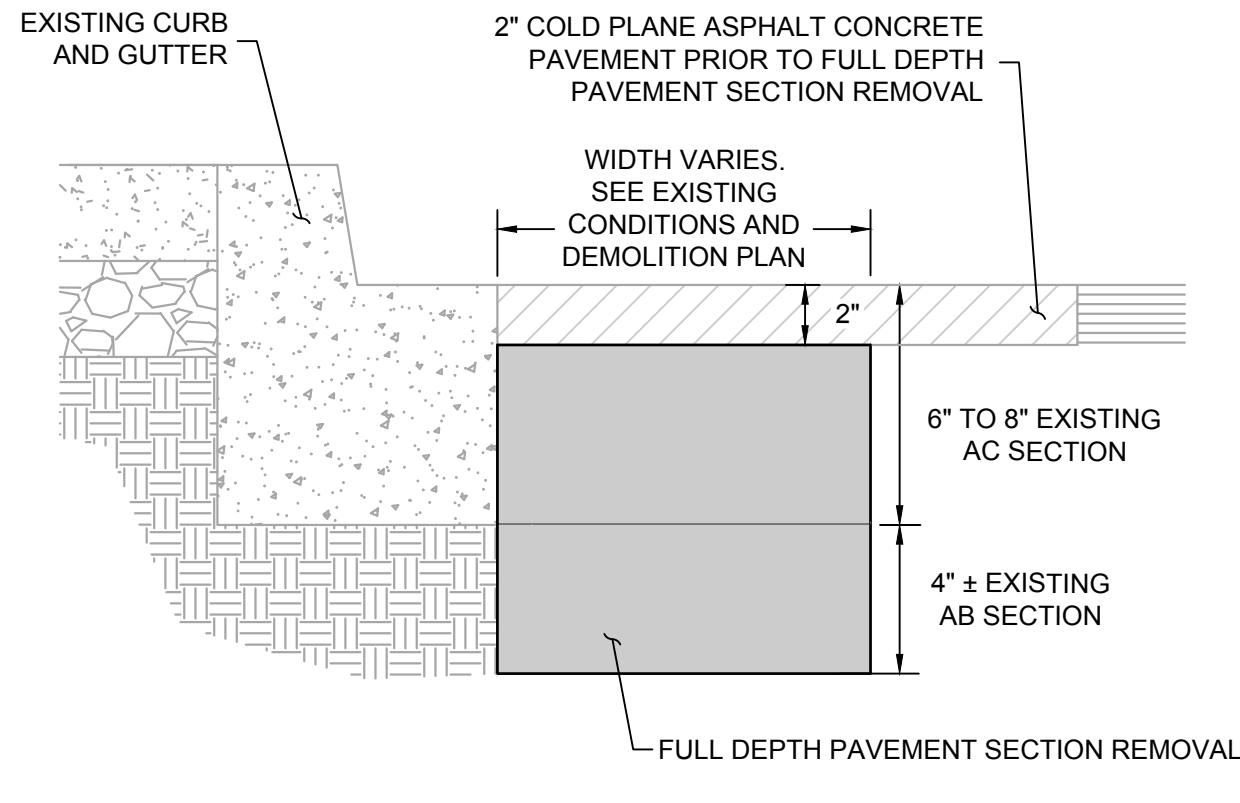
- REFER TO SPECIFICATIONS FOR TRUPAVE PAVEMENT FABRIC INSTALLATION PROCEDURE.
- ASPHALT CONCRETE FOR MILL AND FILL SHALL BE 1/2 INCH MAXIMUM, TYPE A.
- CRACK SEAL APPLICATION BEFORE PLACEMENT OF PAVEMENT FABRIC PER SPECIFICATIONS. CRACKS GREATER THAN 1/4 INCH SHALL BE FILLED. DEPENDING ON HOW THE SURFACE LOOKS AFTER MILLING, THERE IS AN OPTION TO INCREASE THE APPLICATION RATE OF ASPHALT TACK COAT TO ASSIST IN BONDING OF THE TRUPAVE TO THE EXISTING SURFACE.



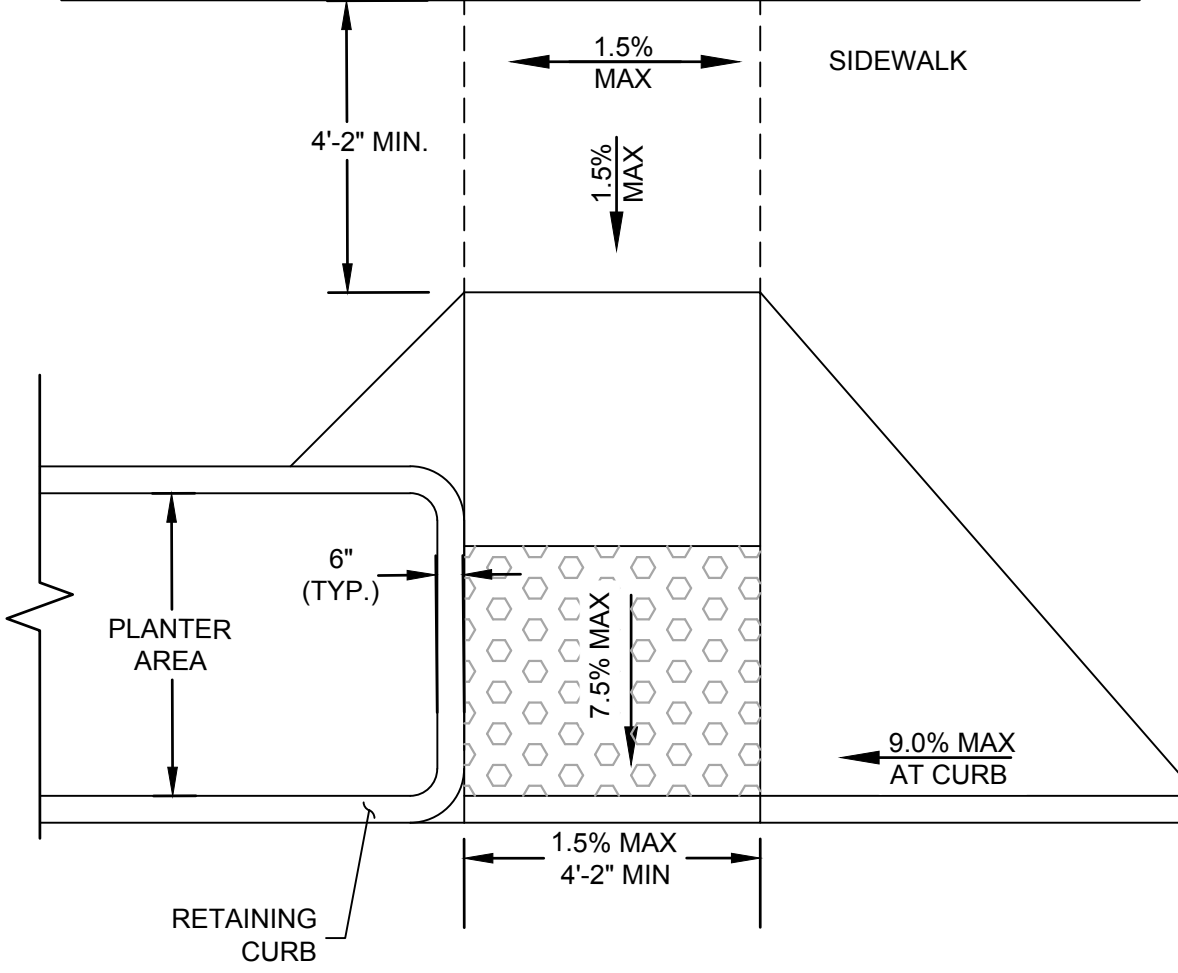
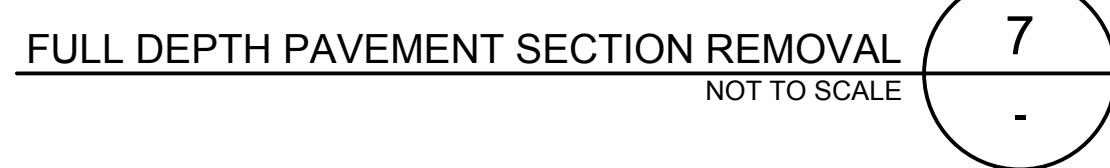
NOTE:  
 FOR DETAILS NOT SHOWN, SEE CALTRANS STANDARD PLAN RSP A87A.



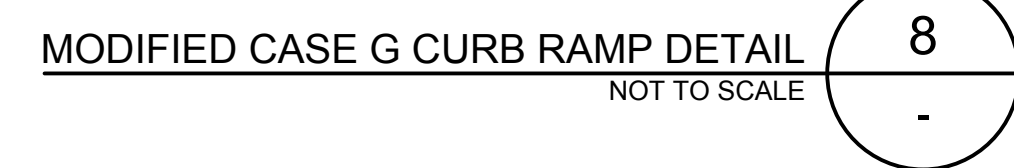
- NOTES
- INSTALL PRIOR TO CONSTRUCTION AND REMOVE AFTER COMPLETION OF WORK. INSTALL PER CALTRANS STANDARD DETAIL RS2.



- NOTES
- THE APPROXIMATE THICKNESS OF ASPHALT ALONG SAN PABLO AVENUE HAS NOT IDENTIFIED. HOWEVER, THE CONTRACTOR IS TO ASSUME AN EXISTING ASPHALT (AC) THICKNESS OF 6 TO 8 INCHES OVER 4 INCHES OF AGGREGATE BASE (AB). THE CONTRACTOR IS WARNED THAT AN INVESTIGATION HAS NOT BEEN CONDUCTED AND THAT ASPHALT THICKNESS MAY VARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ASPHALT CONTAINING REINFORCEMENT FABRIC.



- NOTES
- THE DETECTABLE WARNING SURFACE SHALL COMPLY WITH CALTRANS STANDARD PLAN A88A.

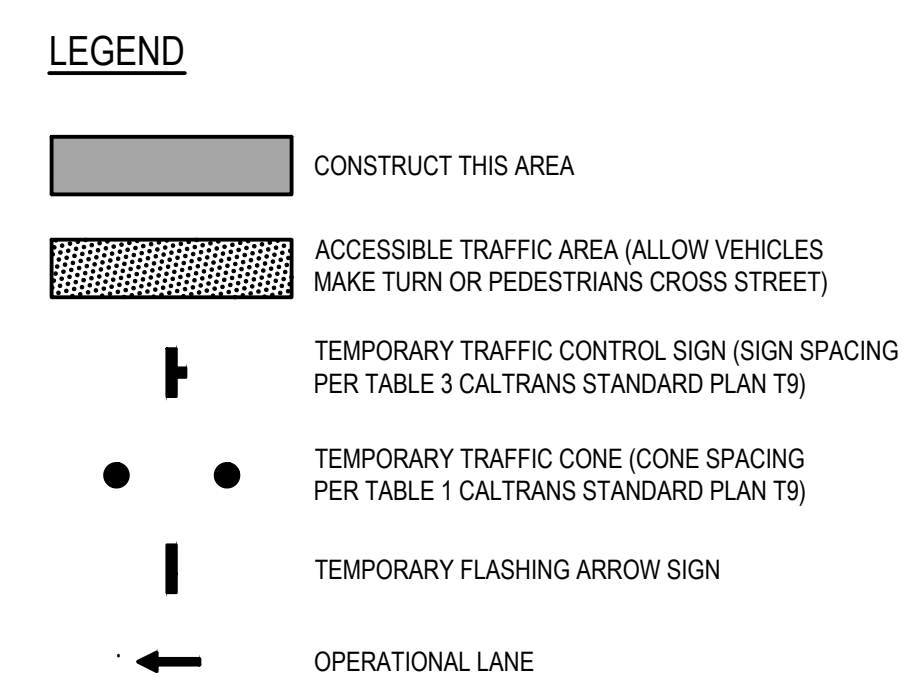


CONSTRUCTION DETAILS C-11

DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 3:43 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 K:\2024\165089-Albany-San-Pablo-Walnut-Sheets\12\_STAGE.dwg 07 Sep 2022 3:45:45pm  
 CAM 7/13/2022  
 JOHN MACHADO JOSEPH K. YOUNG  
 JASON T. WHITE  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 BORDER LAST REVISED 7/2/2010

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICTS WITH THIS PLAN.
  - LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
  - ALL LANES ARE AT LEAST 10' WIDE UNLESS OTHERWISE NOTED ON THE PLAN.
  - CONTRACTOR SHALL CONSTRUCT ONE CURB RAMP AT A TIME AND SHALL NOT WORK ON TWO CONSECUTIVE INTERSECTIONS SIMULTANEOUSLY TO MINIMIZE IMPACTS TO PEDESTRIAN AND BICYCLE FLOWS. DETOURING OF PEDESTRIANS AND BICYCLIST SHALL COMPLY WITH CALTRANS REVISED STANDARD PLANS T-30 THRU T-34 AS WELL AS WHAT IS SHOWN ON TH-6 THRU TH-8.
  - INSPECTOR SHALL RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROL PLAN IN THE FIELD.
  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.
  - CONTRACTOR SHALL CONSIDER ON REMOVING AND REPLACING STRIPING WORK DURING NIGHT TIME.



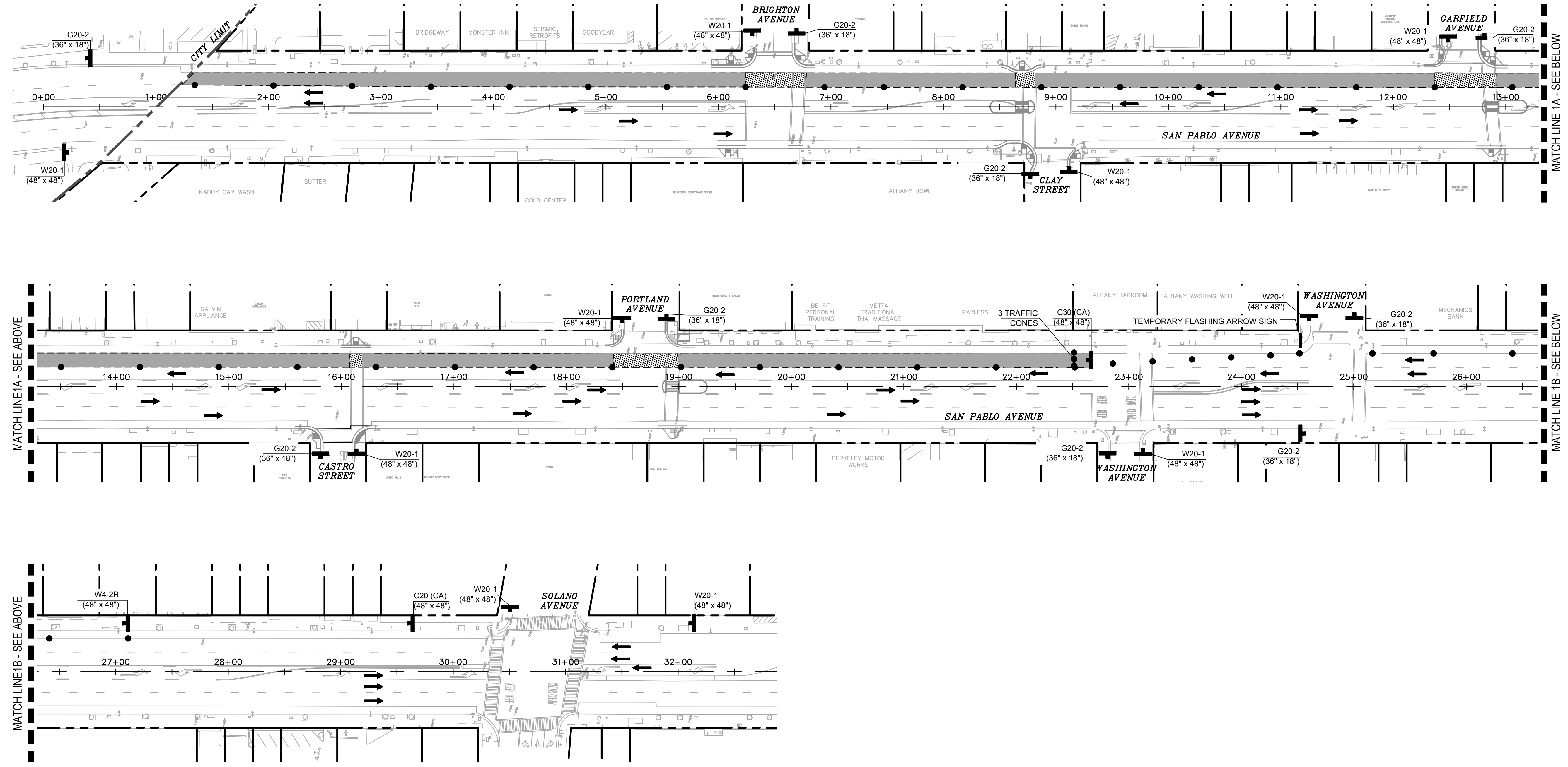
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	29	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

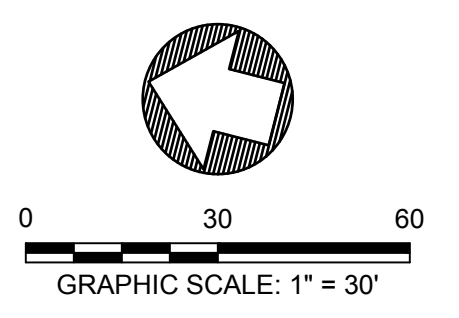
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STAGE 1 - STRIPING REMOVAL AND REPLACEMENT  
 SCALE: 1" = 50'

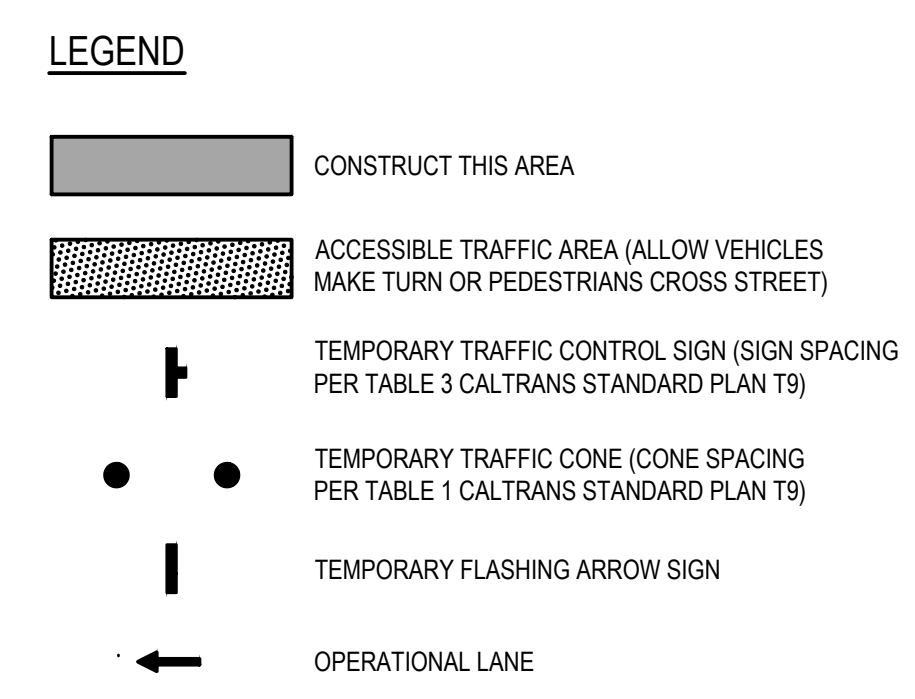


STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-1

DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:45 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 K:\200A\165089-Albany-San-Pablo-Walnut-Sheets\12\_STAGE.dwg 07 Sep 2022 3:47:09pm  
 CAM 7/13/2022  
 JOHN MACHADO JOSEPH K. YOUNG  
 JASON T. WHITE  
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 BORDER LAST REVISED 7/2/2010

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICTS WITH THIS PLAN.
  - LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
  - ALL LANES ARE AT LEAST 10' WIDE UNLESS OTHERWISE NOTED ON THE PLAN.
  - CONTRACTOR SHALL CONSTRUCT ONE CURB RAMP AT A TIME AND SHALL NOT WORK ON TWO CONSECUTIVE INTERSECTIONS SIMULTANEOUSLY TO MINIMIZE IMPACTS TO PEDESTRIAN AND BICYCLE FLOWS. DETOURING OF PEDESTRIANS AND BICYCLIST SHALL COMPLY WITH CALTRANS REVISED STANDARD PLANS T-30 THRU T-34 AS WELL AS WHAT IS SHOWN ON TH-6 THRU TH-8.
  - INSPECTOR SHALL RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROL PLAN IN THE FIELD.
  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.
  - CONTRACTOR SHALL CONSIDER ON REMOVING AND REPLACING STRIPING WORK DURING NIGHT TIME.



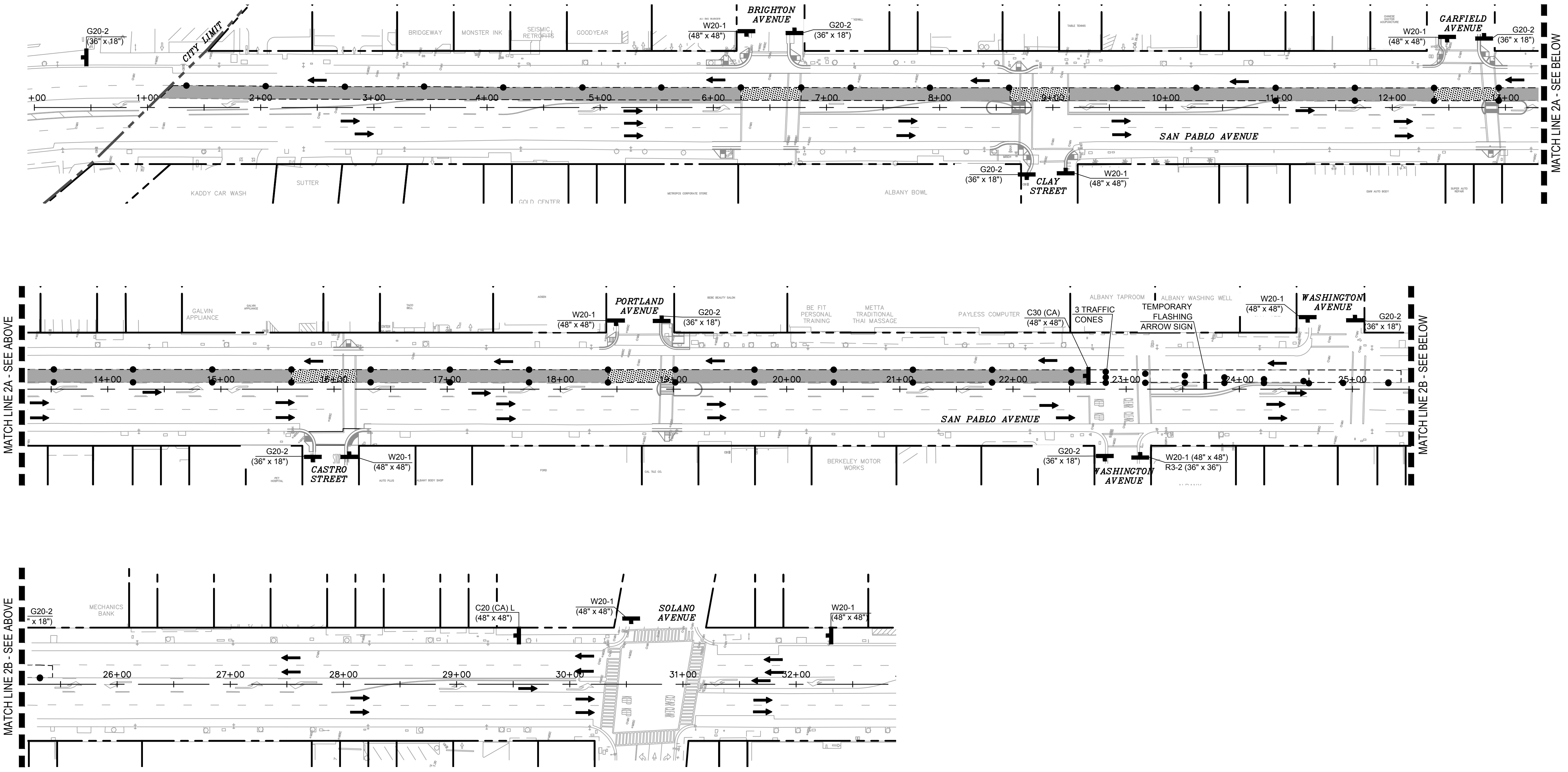
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	30	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

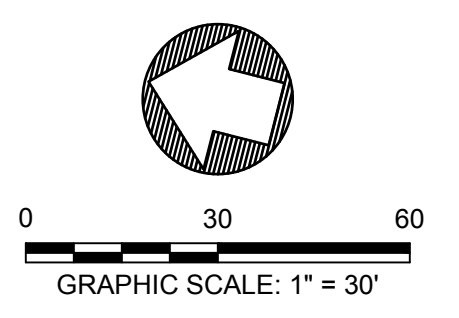
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**STAGE 2 - STRIPING REMOVAL AND REPLACEMENT**  
 SCALE: 1" = 50'

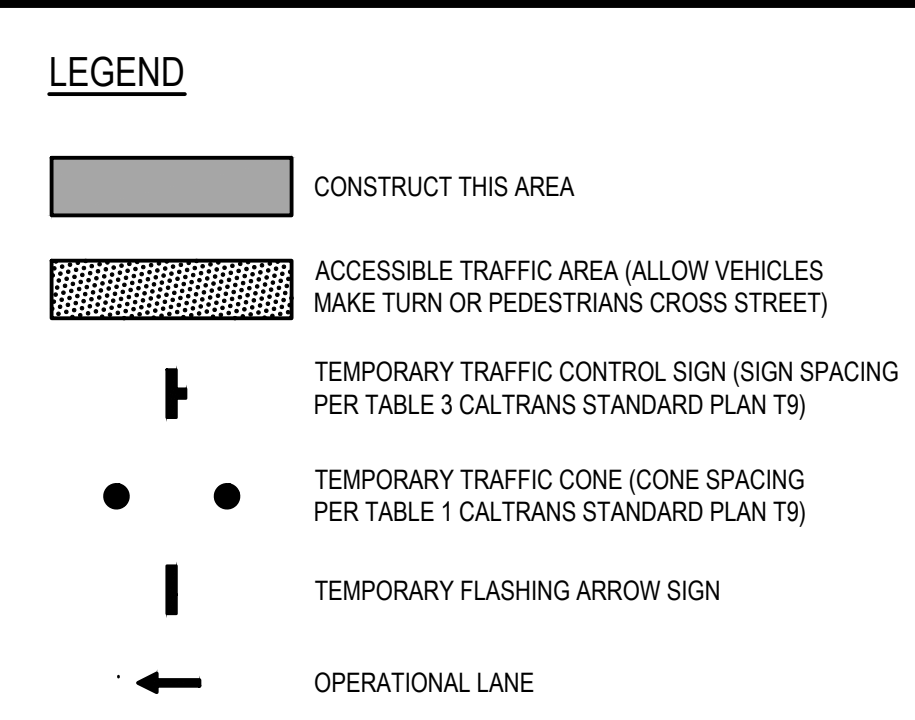


**STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-2**

DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:47 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 K:\200A\165089-Albany-San-Pablo-Ave\165089-SHETS\12\_STAGE.dwg 07 Sep 2022 9:49:49 am  
 BORDER LAST REVISED 7/2/2010  
 USERNAME => \$USER  
 DGN FILE => \$REQUEST

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICTS WITH THIS PLAN.
  - LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
  - ALL LANES ARE AT LEAST 10' WIDE UNLESS OTHERWISE NOTED ON THE PLAN.
  - CONTRACTOR SHALL CONSTRUCT ONE CURB RAMP AT A TIME AND SHALL NOT WORK ON TWO CONSECUTIVE INTERSECTIONS SIMULTANEOUSLY TO MINIMIZE IMPACTS TO PEDESTRIAN AND BICYCLE FLOWS. DETOURING OF PEDESTRIANS AND BICYCLIST SHALL COMPLY WITH CALTRANS REVISED STANDARD PLANS T-30 THRU T-34 AS WELL AS WHAT IS SHOWN ON TH-6 THRU TH-8.
  - INSPECTOR SHALL RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROL PLAN IN THE FIELD.
  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.
  - CONTRACTOR SHALL CONSIDER ON REMOVING AND REPLACING STRIPING WORK DURING NIGHT TIME.



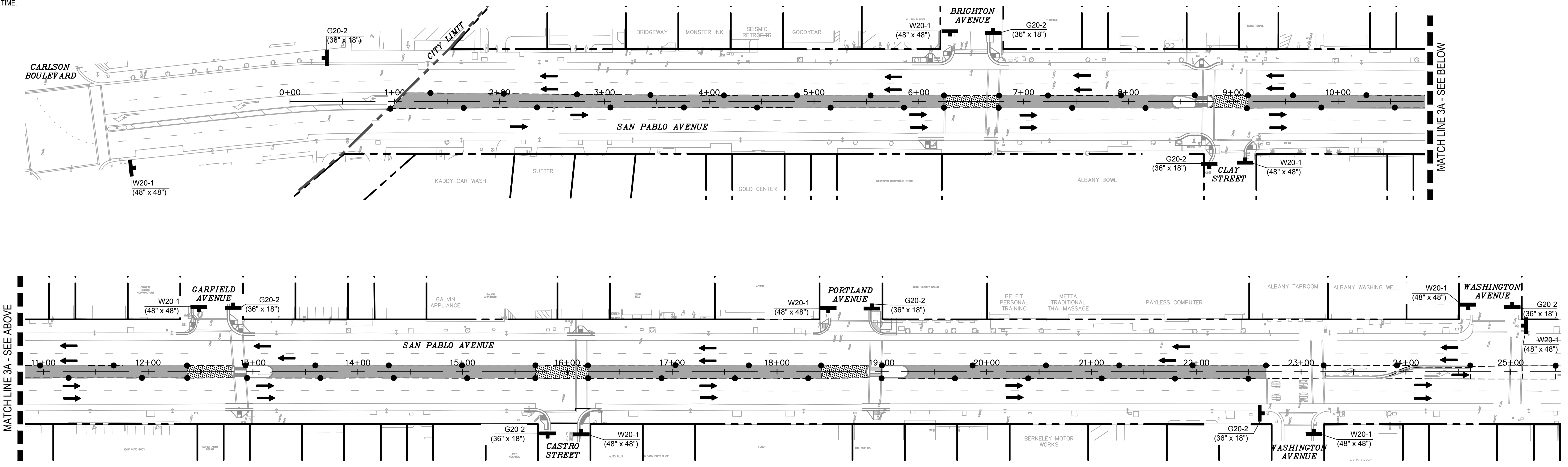
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	31	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

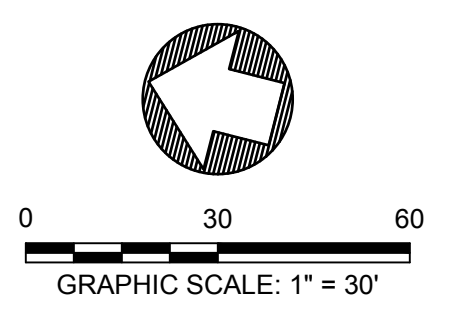
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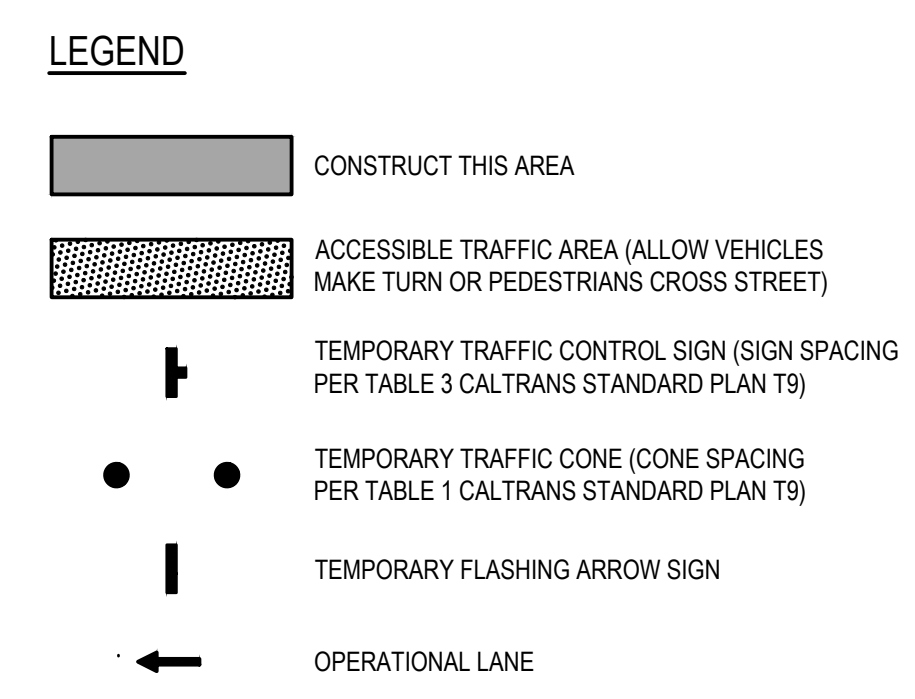
**STAGE 3 - STRIPING REMOVAL AND REPLACEMENT**  
 SCALE: 1" = 50'



**STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**St. Gibbons**  
 CONSULTANT SUPERVISOR: JASON T. WHITE  
 REVISIONS: JOHN MACHADO, JOSEPH K. YOUNG, CAM 7/13/2022

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICTS WITH THIS PLAN.
  - LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
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  - INSPECTOR SHALL RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROL PLAN IN THE FIELD.
  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	32	53

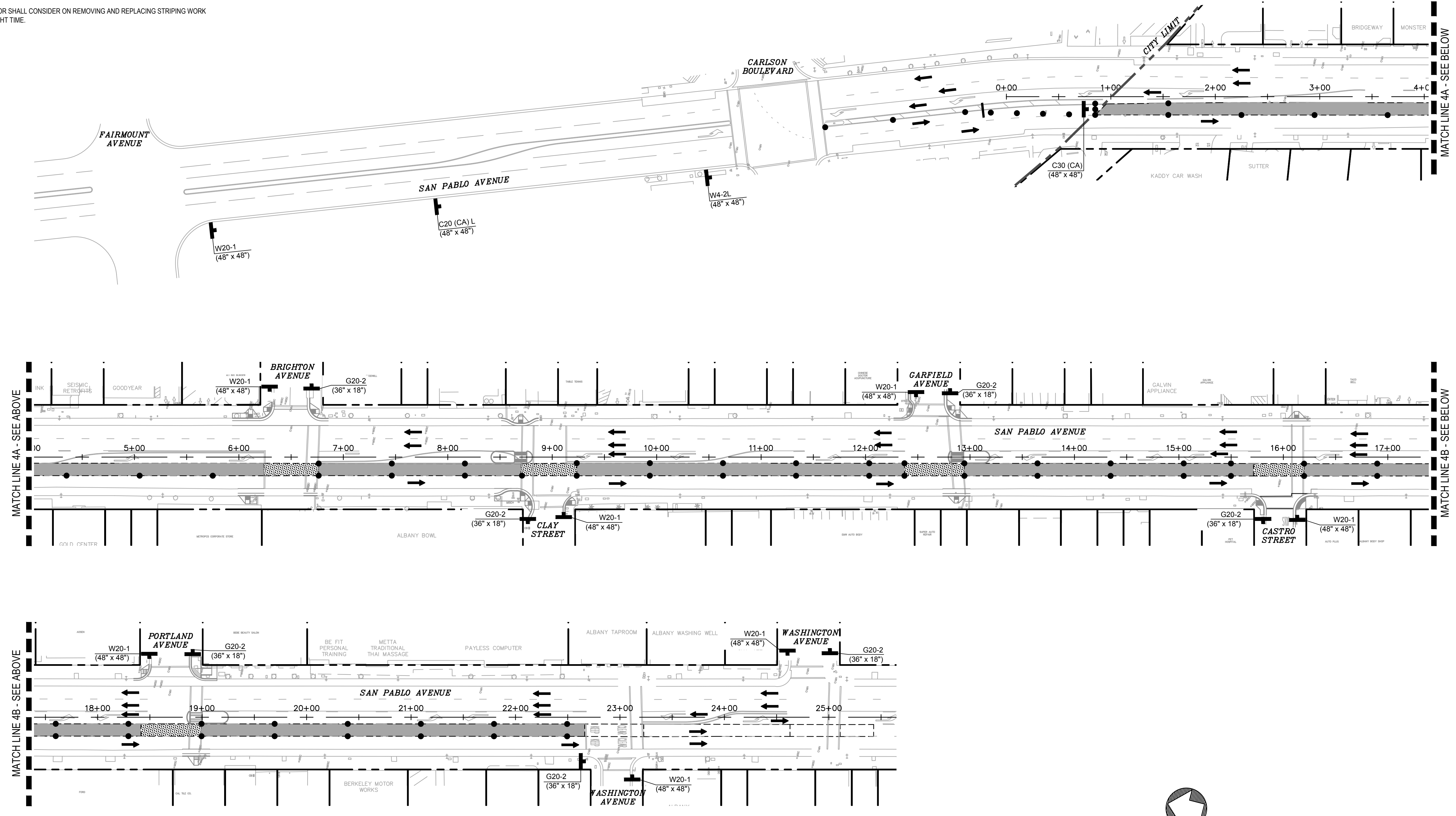
JOSEPH YOUNG  
 REGISTERED CIVIL ENGINEER  
 09/09/2022  
 DATE  
 PLANS APPROVAL DATE

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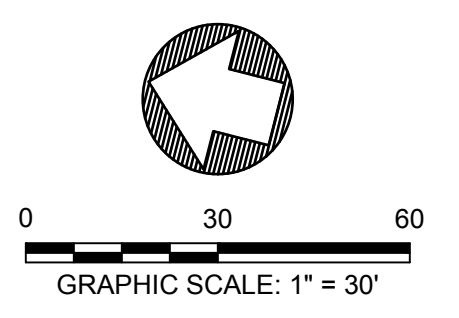
**BKF** 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com

1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH K. YOUNG  
 No. C84619  
 Exp 09/23  
 CIVIL  
 STATE OF CALIFORNIA



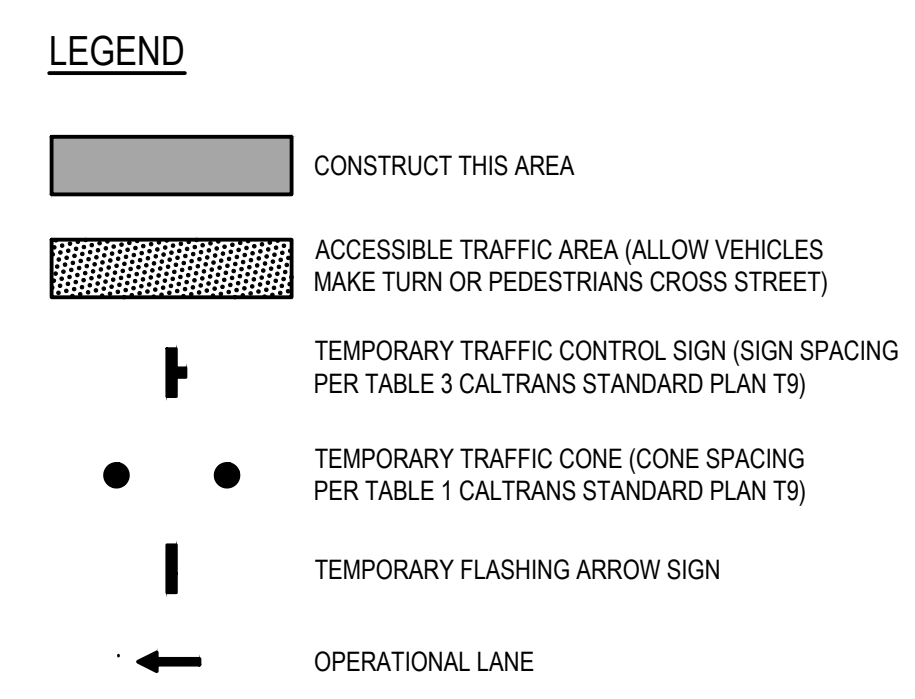
**STAGE 4 - STRIPING REMOVAL AND REPLACEMENT**  
 SCALE: 1" = 50'



DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:51 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT SUPERVISOR: JASON T. WHITE  
 REVISIONS: JOHN MACHADO, JOSEPH K. YOUNG, CAM 7/13/2022

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICTS WITH THIS PLAN.
  - LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
  - ALL LANES ARE AT LEAST 10' WIDE UNLESS OTHERWISE NOTED ON THE PLAN.
  - CONTRACTOR SHALL CONSTRUCT ONE CURB RAMP AT A TIME AND SHALL NOT WORK ON TWO CONSECUTIVE INTERSECTIONS SIMULTANEOUSLY TO MINIMIZE IMPACTS TO PEDESTRIAN AND BICYCLE FLOWS. DETOURING OF PEDESTRIANS AND BICYCLIST SHALL COMPLY WITH CALTRANS REVISED STANDARD PLANS T-30 THRU T-34 AS WELL AS WHAT IS SHOWN ON TH-6 THRU TH-8.
  - INSPECTOR SHALL RESERVE THE RIGHT TO MODIFY THE TRAFFIC CONTROL PLAN IN THE FIELD.
  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.
  - CONTRACTOR SHALL CONSIDER ON REMOVING AND REPLACING STRIPING WORK DURING NIGHT TIME.



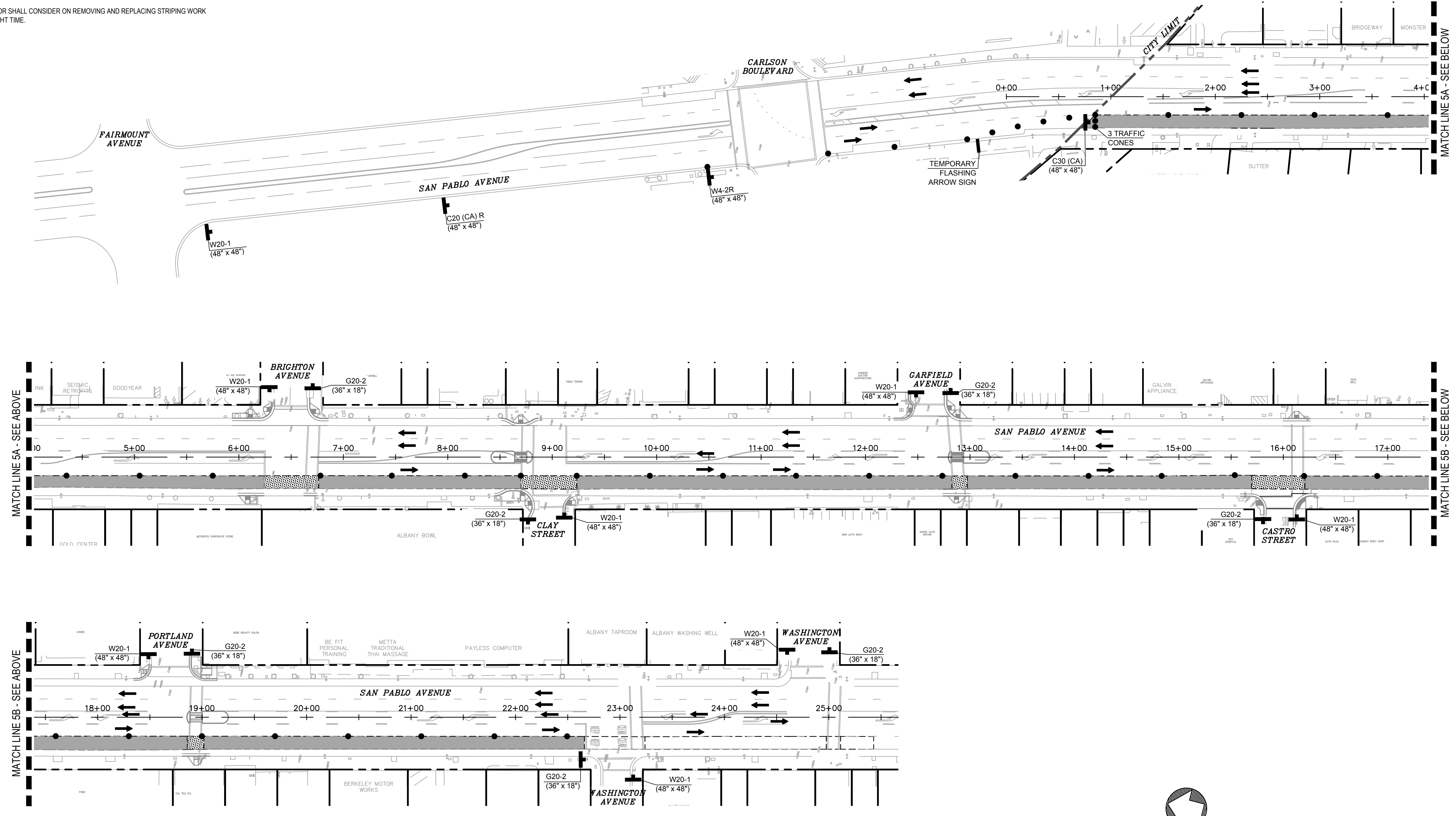
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	33	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE

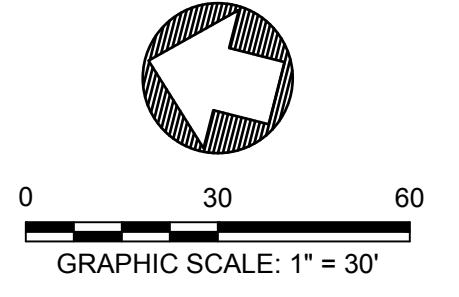
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**STAGE 5 - STRIPING REMOVAL AND REPLACEMENT**  
 SCALE: 1" = 30'

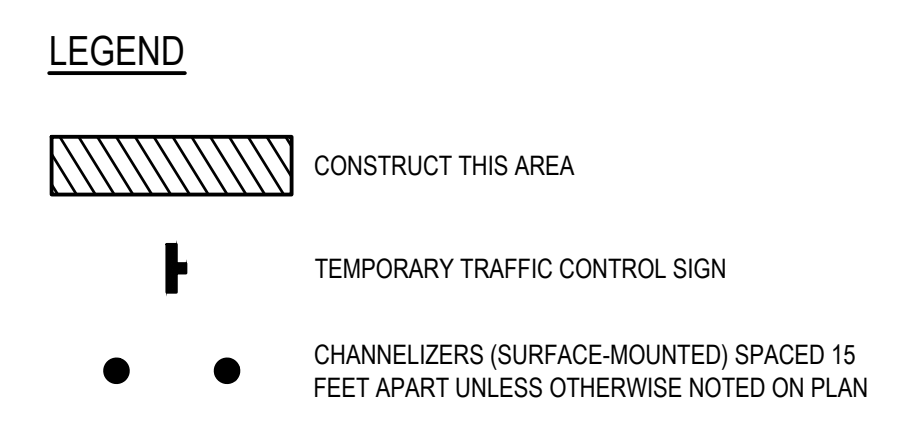


**STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-5**

DATE PLOTTED => Sep 07 2022 05-24-19 TIME PLOTTED => 3:53 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CHECKED BY: JOSEPH K. YOUNG  
 CALCULATED/DESIGNED BY: JOHN MACHADO  
 REVISED BY: CAM  
 DATE REVISED: 7/13/2022

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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  - CONTRACTOR SHALL NOT SIMULTANEOUSLY CLOSE CONSECUTIVE INTERSECTIONS IN THE SAME DIRECTION OF TRAVEL SERVING 2 CONSECUTIVE LOCAL STREETS UNLESS AUTHORIZED.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	34	53

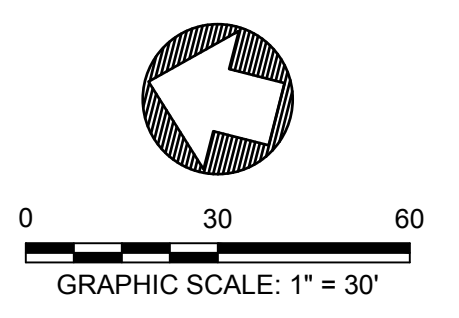
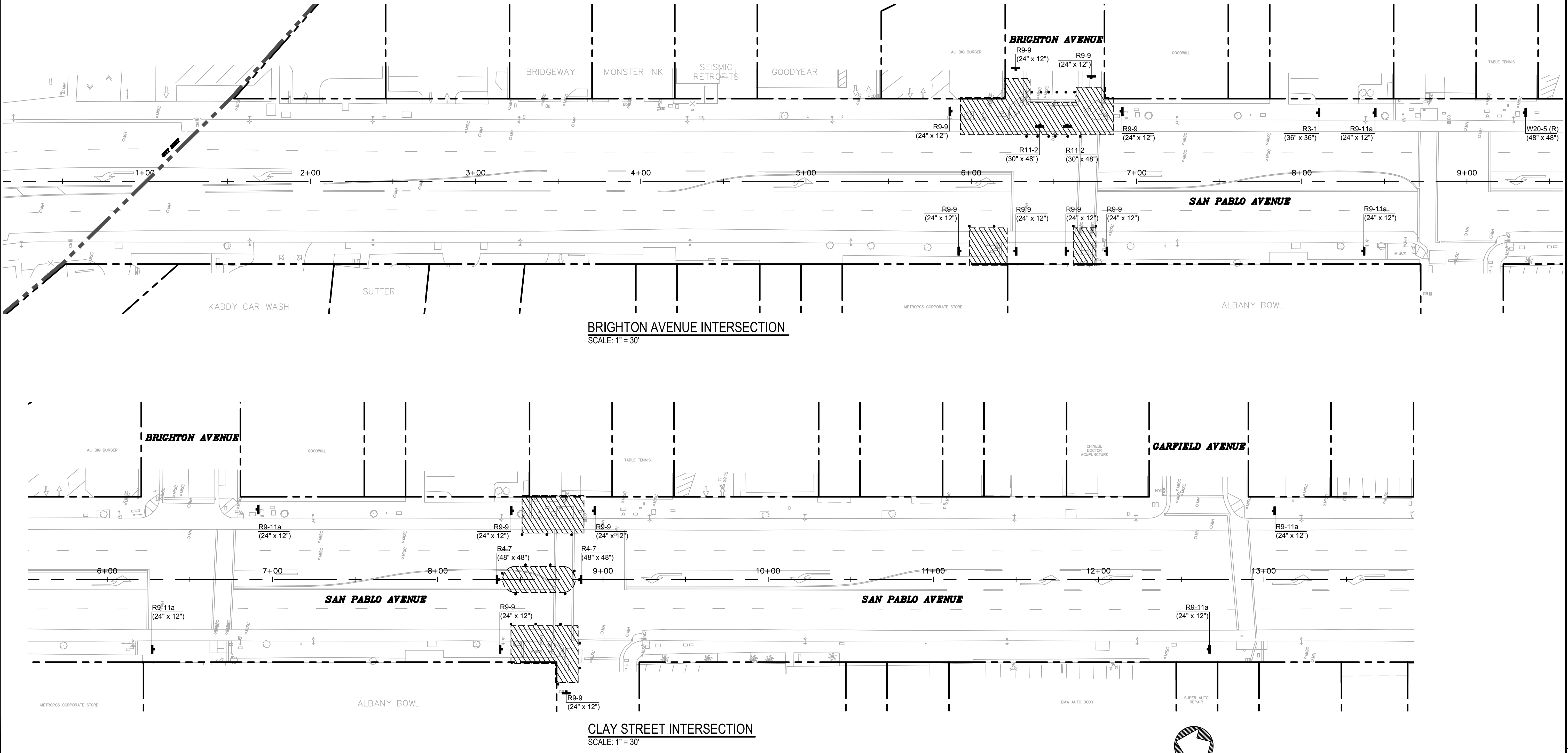
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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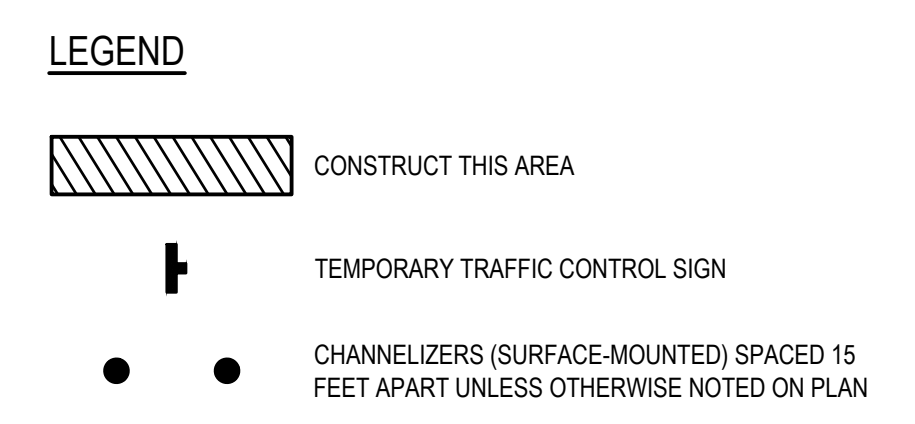


DATE PLOTTED => Sep 07 2022 TIME PLOTTED => 3:55 pm



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 JASON T. WHITE  
 CHECKED BY  
 JOSEPH K. YOUNG  
 REVISOR  
 CAM  
 DATE  
 7/13/2022

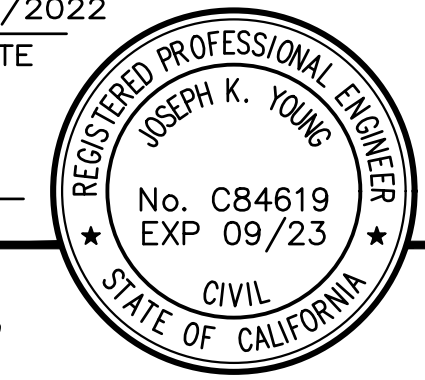
- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	35	53

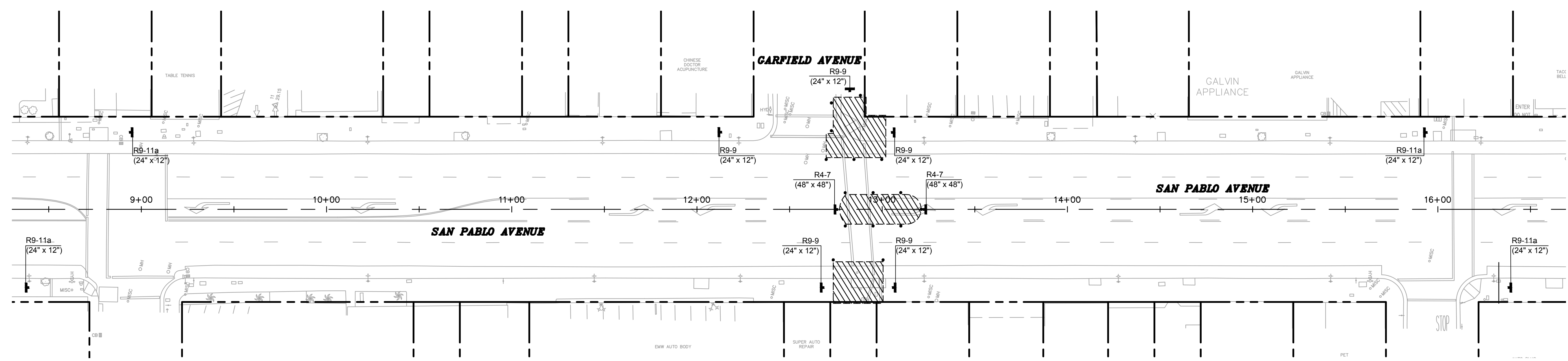
JOSEPH YOUNG  
 REGISTERED CIVIL ENGINEER  
 DATE 09/09/2022  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

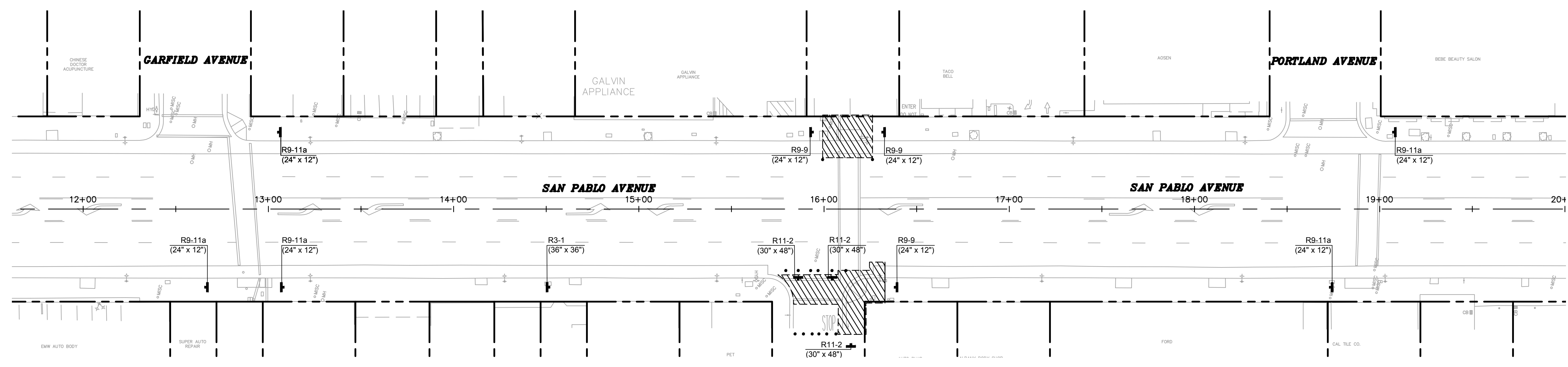


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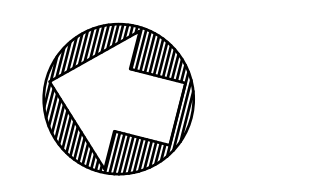
1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596



**GARFIELD AVENUE INTERSECTION**  
 SCALE: 1" = 30'



**CASTRO STREET INTERSECTION**  
 SCALE: 1" = 30'



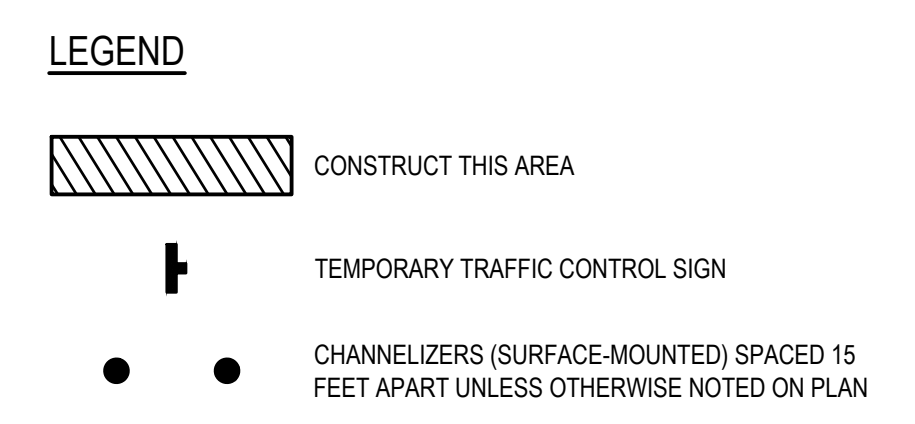
0 30 60  
 GRAPHIC SCALE: 1" = 30'

**STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-7**

DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 3:56 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: JASON T. WHITE  
 CHECKED BY: JOSEPH K. YOUNG  
 CALCULATED/DESIGNED BY: JOHN MACHADO  
 REVISOR: CAM 7/13/2022

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	36	53

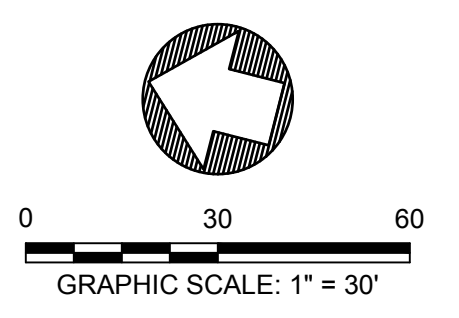
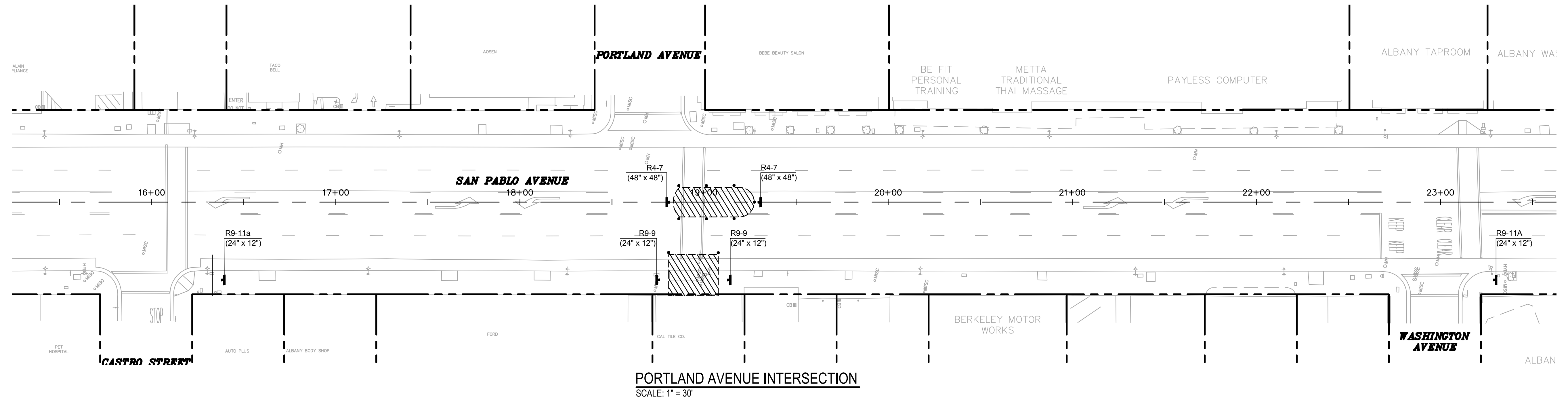
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN TH-8

DATE PLOTTED => Sep 07 2022 05-24-19 TIME PLOTTED => 3:57 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 JASON T. WHITE  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 CHECKED BY  
 CALCULATED-DESIGNED BY  
 JOHN MACHADO  
 JOSEPH K. YOUNG  
 REVISOR BY  
 DATE REVISION  
 CAM  
 7/13/2022



### EROSION CONTROL TYPE 1

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	MEDIUM	135 CY / ACRE	1"
STEP 2	FIBER ROLLS	FIBER ROLL	8" TO 10" DIA	-	

### EROSION CONTROL TYPE 2

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE		
STEP 1	FIBER ROLLS	FIBER ROLL	8" TO 10" DIA	-	

### EROSION CONTROL (TABLE 1)

EC SHEET	AREA	EC TYPE	COMPOST	FIBER ROLL
			CY	LF
2	A	1	1.3	95
3	B	1	1.3	100
5	C	1	1.3	100
6	D	1	0.9	282
TOTAL			4.8	577

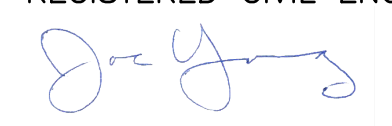
### FIBER ROLLS (TABLE 1)

EC SHEET	LOCATION		FIBER ROLLS
			LF
1	5+94 TO 6+32	L+	59
1	6+68 TO 6+86	L+	34
1	5+99 TO 6+22	R+	23
1	6+62 TO 6+75	R+	14
2	8+51 TO 8+89	L+	40
2	8+44 TO 8+83	R+	65
3	12+78 TO 13+02	L+	42
3	12+74 TO 13+00	R+	27
TOTAL			304


### FIBER ROLLS (TABLE 2)

EC SHEET	LOCATION		FIBER ROLLS
			LF
4	16+00 TO 16+26	L+	27
4	16+12 TO 16+33	R+	46
5	18+81 TO 19+027	R+	27
6	22+98 TO 23+35	L+	40
6	24+98 TO 25+25	L+	49
6	24+83 TO 25+29	R+	48
TABLE 1 TOTAL			304
TABLE 2 TOTAL			237
TOTAL			541

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	37	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 JOSEPH K. YOUNG  
 No. C84619  
 EXP 09/23  
 CIVIL  
 STATE OF CALIFORNIA

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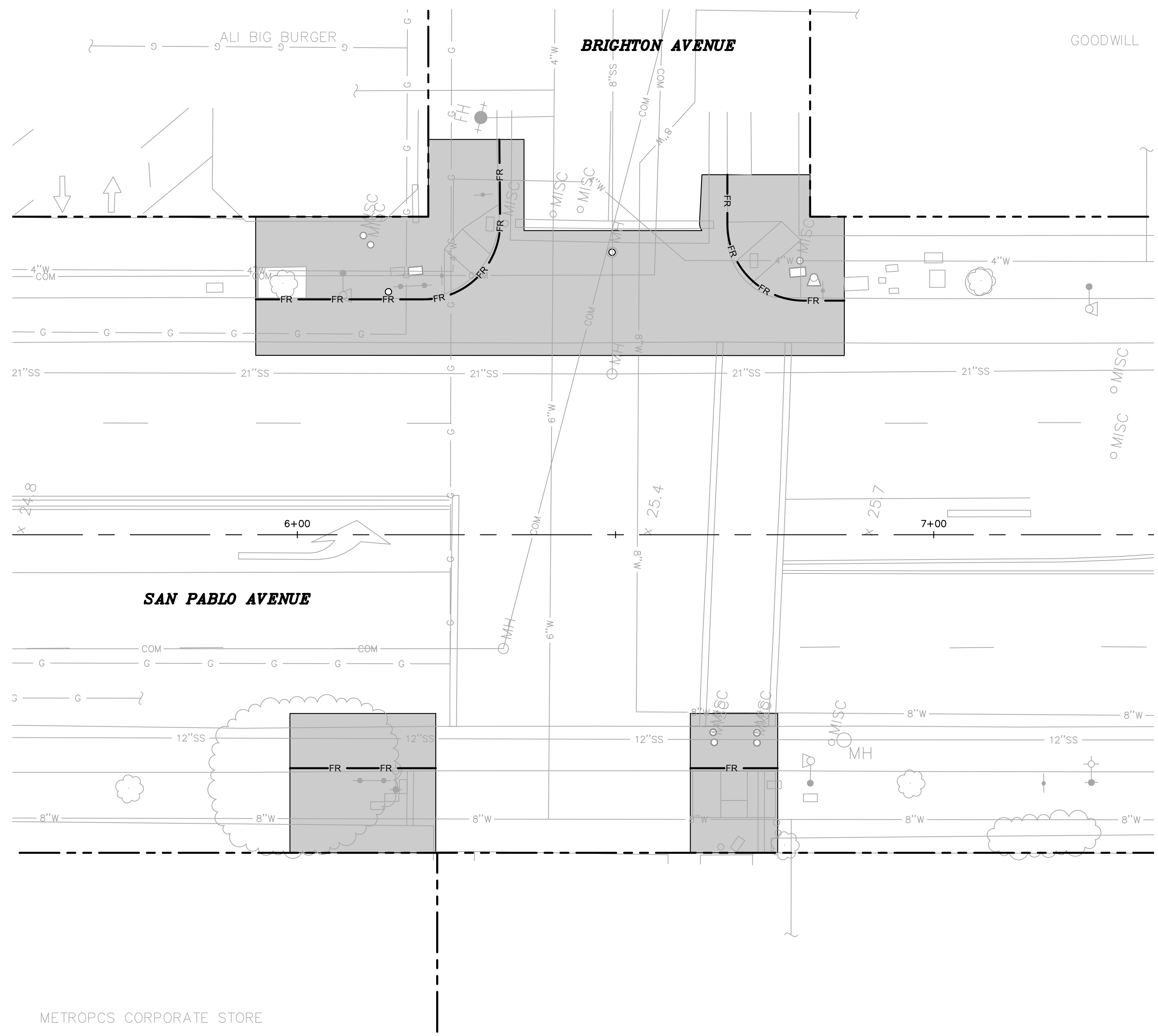
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED BY	REVISOR	CAM	
	JASON T. WHITE	DESIGNED BY	JOHN MACHADO		DATE
BORDER LAST REVISED 7/2/2010	METROPCS CORPORATE STORE	CHECKED BY	JOSEPH K. YOUNG	DATE REVISED	7/13/2022
					CLAY STREET INTERSECTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

BORDER LAST REVISED 7/2/2010



K:\2022\105299-Albany-Sun-Public-Works\105299-SHEETS\105299\_EC.dwg 07 Sep 2022 3:58:42pm user



**CLAY STREET INTERSECTION**  
SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	38	53

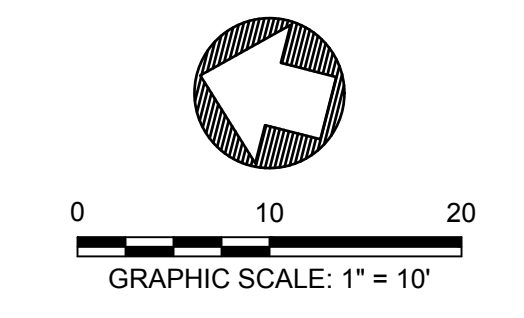
JOSEPH YOUNG 09/09/2022  
REGISTERED CIVIL ENGINEER DATE  
*J. Young*  
PLANS APPROVAL DATE  
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- NOTES:**
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  - FOR FIBER ROLLS INSTALLATION DETAIL, SEE CALTRANS REVISED STANDARD PLAN RSP H51. FIBER ROLLS SHALL BE PLACED 10 FEET APART FOR SLOPES GREATER THAN 2:1 (H:V) 15 FEET APART FOR SLOPES FROM 2:1 TO 4:1, 20 FEET APART FOR SLOPES FROM 4:1 TO 10:1, AND 50 FEET APART FOR SLOPES FLATTER THAN 10:1.
  - DIMENSIONS MAY VARY TO FIT ACTUAL FIELD CONDITIONS.

- LEGEND:**
- EROSION CONTROL (TYPE 1). SEE DETAIL ON SHEET ECL-1
  - EROSION CONTROL (TYPE 2). SEE DETAIL ON SHEET ECL-1
  - TEMPORARY FIBER ROLL
  - TEMPORARY GRAVEL BAG BERM FOR DRAINAGE INLET PROTECTION (TYPE 3A) PER CALTRANS STND DTL T62



**EROSION CONTROL PLAN EC-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

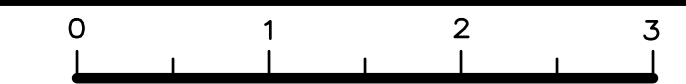
BORDER LAST REVISED 7/2/2010



K:\2022\105299-Albany-Sun-Public-Works\105299-SHEETS\105299\_EC.dwg 07 Sep 2022 3:58:42pm user

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DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES



UNIT XXXX

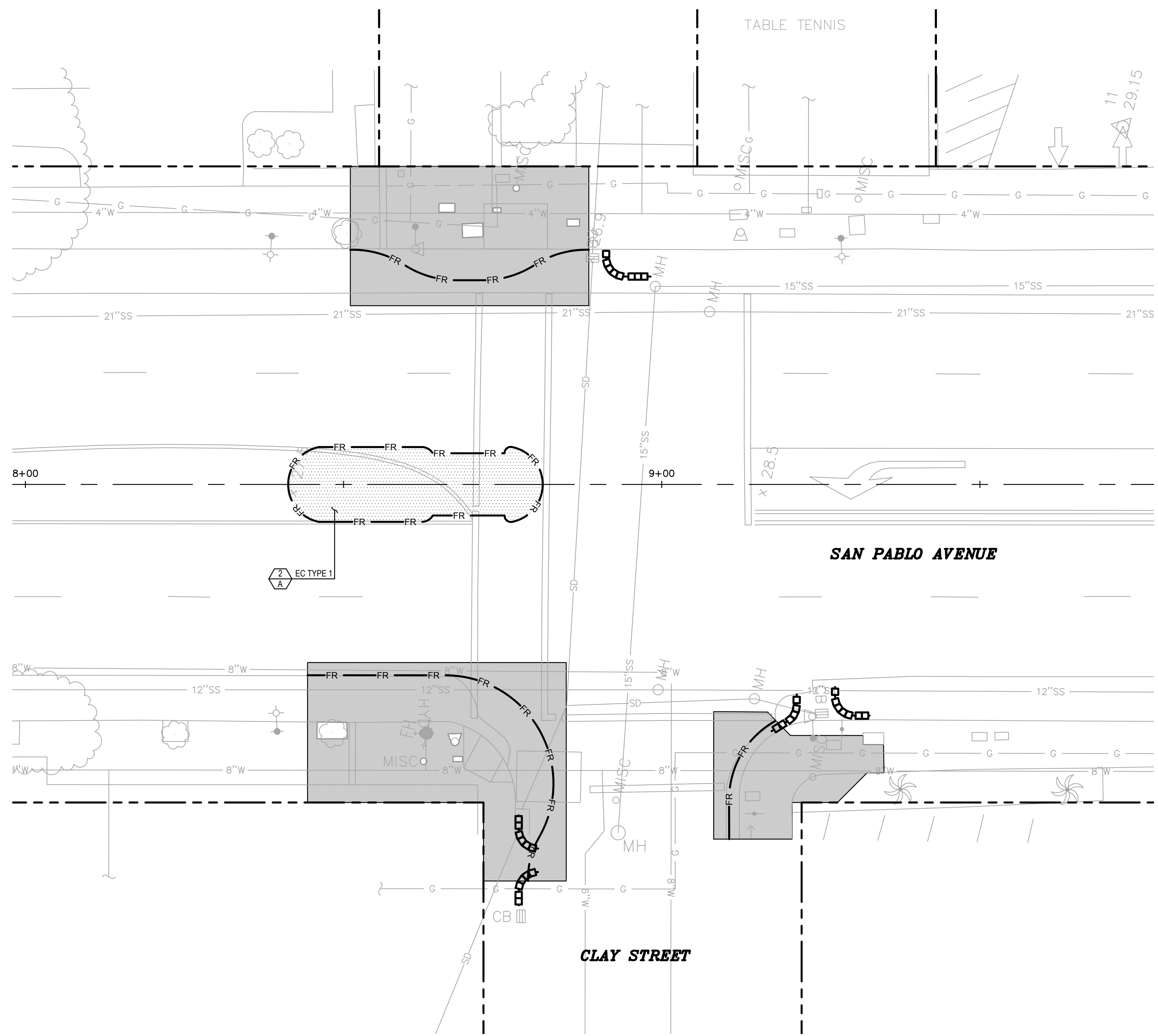
PROJECT NUMBER & PHASE

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DATE PLOTTED => Sep 07 2022 3:58 pm  
TIME PLOTTED => 05-24-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR	DATE
	JASON T. WHITE	JOHN MACHADO	CAM	7/13/2022
CALIFORNIA HIGHWAYS	CALCULATED/DESIGNED BY	CHECKED BY	REVISOR	DATE
		JOSEPH K. YOUNG	CAM	7/13/2022

BORDER LAST REVISED 7/2/2010



**CLAY STREET INTERSECTION**  
SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	39	53

JOSEPH YOUNG 09/09/2022  
REGISTERED CIVIL ENGINEER DATE

*J. Young*

PLANS APPROVAL DATE

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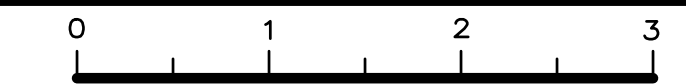
- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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  - DIMENSIONS MAY VARY TO FIT ACTUAL FIELD CONDITIONS.

- LEGEND:**
- EROSION CONTROL (TYPE 1). SEE DETAIL ON SHEET ECL-1
  - EROSION CONTROL (TYPE 2). SEE DETAIL ON SHEET ECL-1
  - TEMPORARY FIBER ROLL
  - TEMPORARY GRAVEL BAG BERM FOR DRAINAGE INLET PROTECTION (TYPE 3A) PER CALTRANS STND DTL T62

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

USERNAME => \$USER  
DGN FILE => \$REQUEST

RELATIVE BORDER SCALE IS IN INCHES



UNIT XXXX

PROJECT NUMBER & PHASE

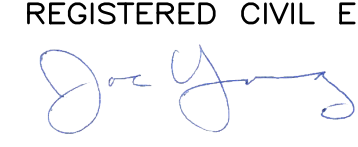
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**EROSION CONTROL PLAN EC-2**

DATE PLOTTED => Sep 07 2022  
TIME PLOTTED => 3:59 pm

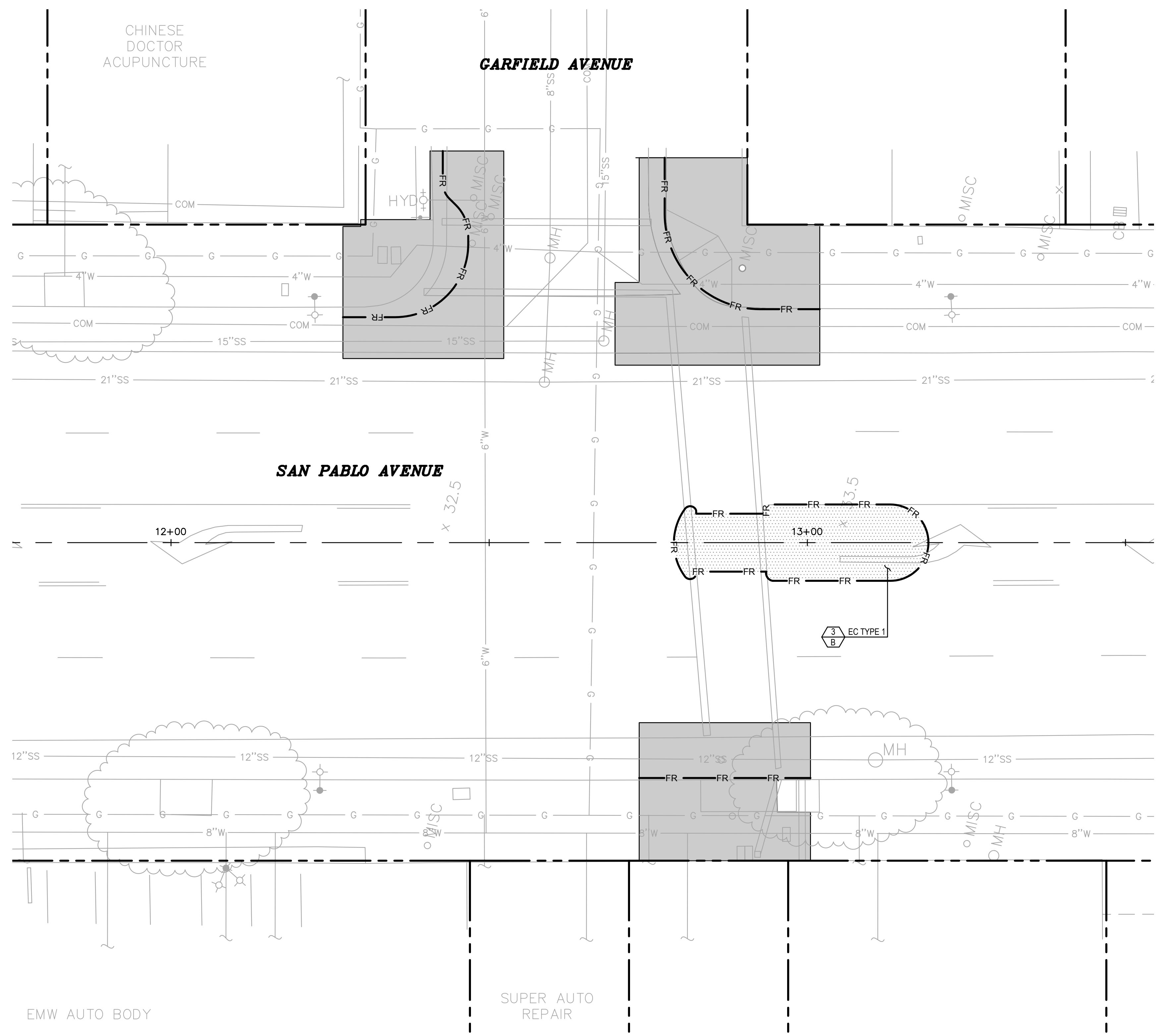
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED BY	REVISOR	DATE
	JASON T. WHITE	DESIGNED BY	CAM	7/13/2022
Gibson	CHECKED BY	JOHN MACHADO	REVISOR	DATE
		JOSEPH K. YOUNG		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	40	53

JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
  
 PLANS APPROVAL DATE  
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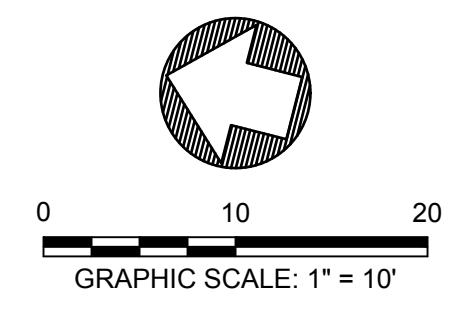
**BKF** 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com  
 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596



**GARFIELD AVENUE INTERSECTION**  
 SCALE: 1" = 10'

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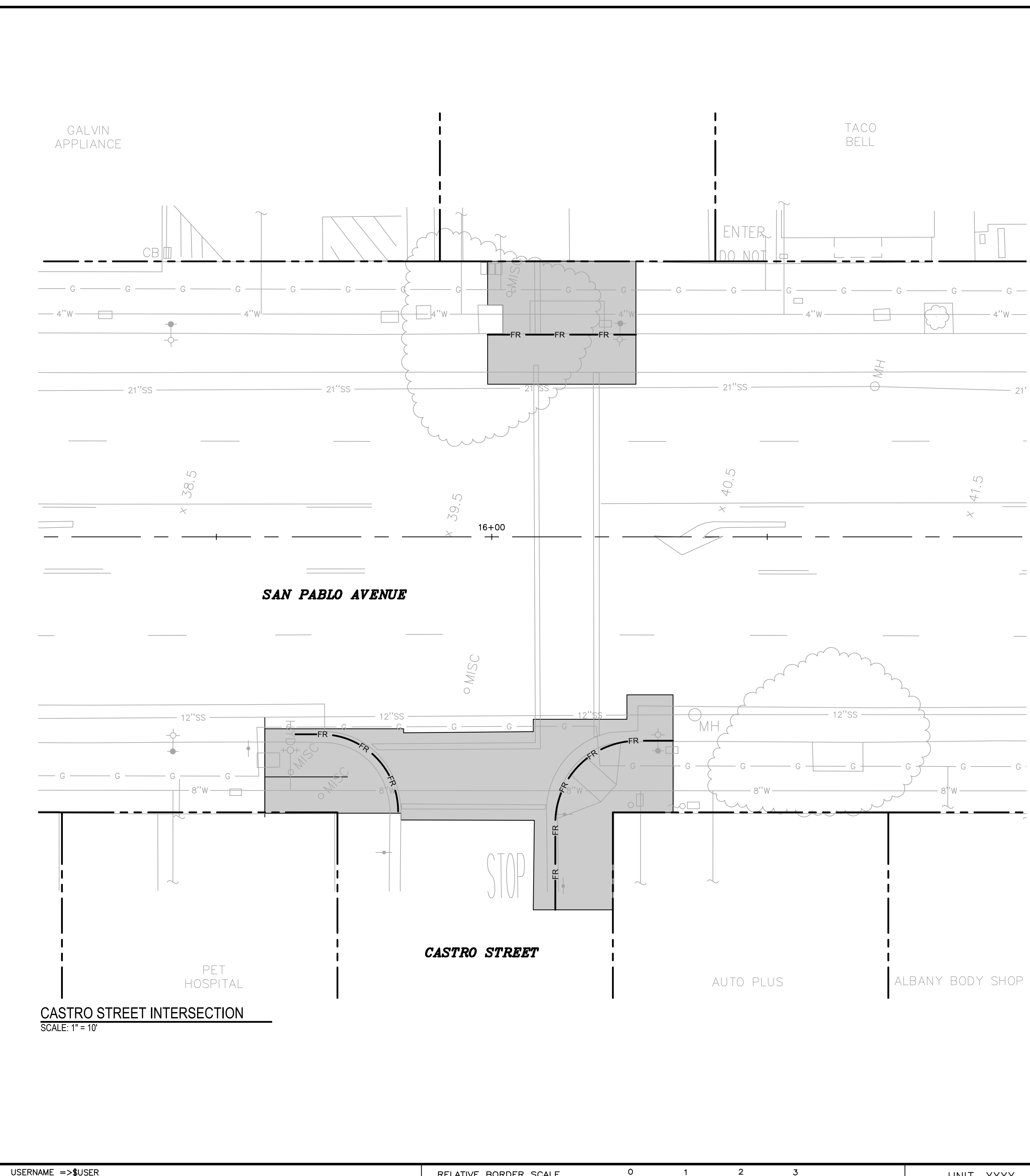
- LEGEND:**
- EROSION CONTROL (TYPE 1). SEE DETAIL ON SHEET ECL-1
  - EROSION CONTROL (TYPE 2). SEE DETAIL ON SHEET ECL-1
  - TEMPORARY FIBER ROLL
  - TEMPORARY GRAVEL BAG BERM FOR DRAINAGE INLET PROTECTION (TYPE 3A) PER CALTRANS STND DTL T62



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED BY	REVISOR	CAM
	JASON T. WHITE	DESIGNED BY	JOHN MACHADO	
BORDER LAST REVISED 7/2/2010	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CHECKED BY	JOSEPH K. YOUNG	DATE REVISED
				7/13/2022

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

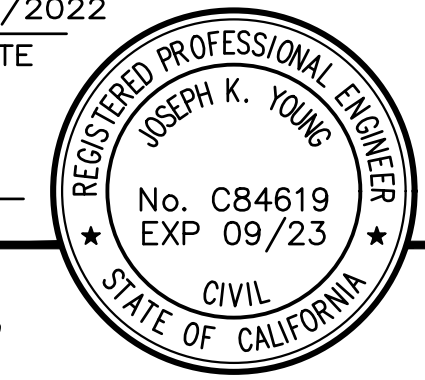
BORDER LAST REVISED 7/2/2010



**CASTRO STREET INTERSECTION**  
SCALE: 1" = 10'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	41	53

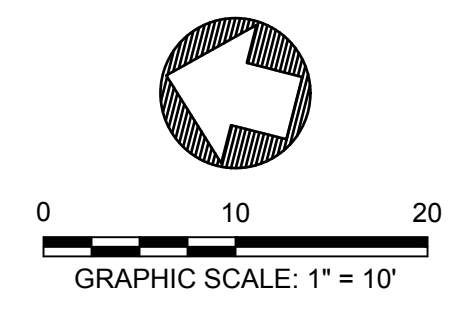
JOSEPH YOUNG 09/09/2022  
 REGISTERED CIVIL ENGINEER DATE  
 [Signature]  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**BKF** 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com  
 1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR FIBER ROLLS INSTALLATION DETAIL, SEE CALTRANS REVISED STANDARD PLAN RSP H51. FIBER ROLLS SHALL BE PLACED 10 FEET APART FOR SLOPES GREATER THAN 2:1 (H:V) 15 FEET APART FOR SLOPES FROM 2:1 TO 4:1, 20 FEET APART FOR SLOPES FROM 4:1 TO 10:1, AND 50 FEET APART FOR SLOPES FLATTER THAN 10:1.
  - DIMENSIONS MAY VARY TO FIT ACTUAL FIELD CONDITIONS.

- LEGEND:**
- [Patterned Box] EROSION CONTROL (TYPE 1). SEE DETAIL ON SHEET ECL-1
  - [Shaded Box] EROSION CONTROL (TYPE 2). SEE DETAIL ON SHEET ECL-1
  - FR— TEMPORARY FIBER ROLL
  - [Dashed Line] TEMPORARY GRAVEL BAG BERM FOR DRAINAGE INLET PROTECTION (TYPE 3A) PER CALTRANS STND DTL T62



**EROSION CONTROL PLAN EC-4**

DATE PLOTTED => Sep 07 2022  
 TIME PLOTTED => 4:01 pm

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED BY	REVISOR	DATE
	JASON T. WHITE	DESIGNED BY	CAM	7/13/2022
ST. Gilman's	JOHN MACHADO	CHECKED BY	REVISOR	DATE
			JOSEPH K. YOUNG	7/13/2022

BORDER LAST REVISED 7/2/2010

USERNAME => \$USER  
DGN FILE => \$REQUEST

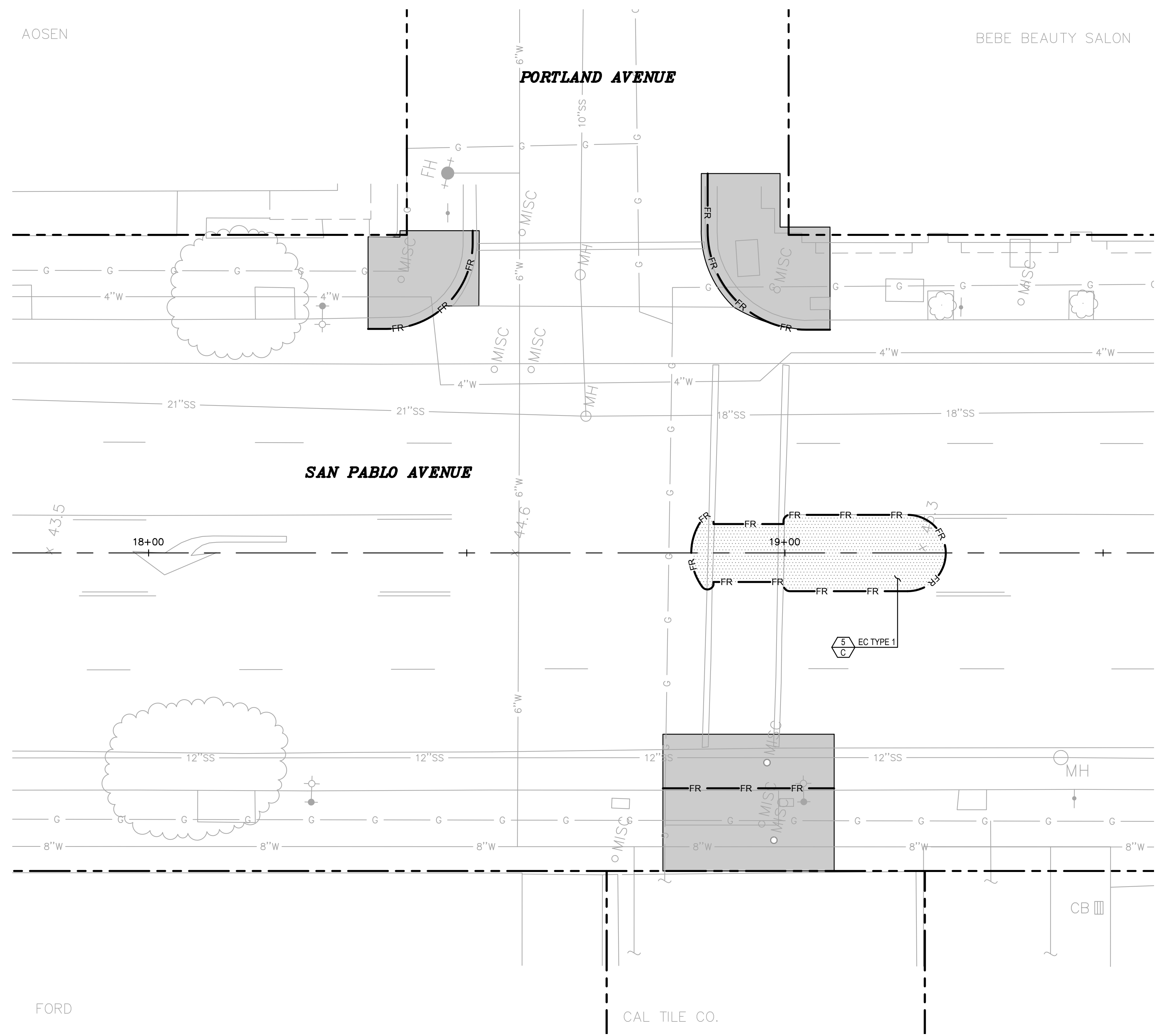
RELATIVE BORDER SCALE IS IN INCHES



UNIT XXXX

PROJECT NUMBER & PHASE

XXXXXXXXXX



**PORTLAND AVENUE INTERSECTION**  
SCALE: 1" = 10'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	42	53

JOSEPH YOUNG 09/09/2022  
REGISTERED CIVIL ENGINEER DATE

*Joseph K. Young*

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

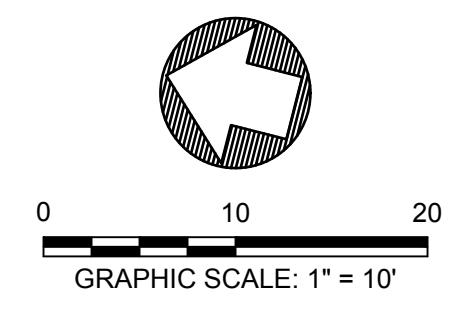
REGISTERED PROFESSIONAL ENGINEER  
JOSEPH K. YOUNG  
No. C84619  
EXP 09/23  
CIVIL  
STATE OF CALIFORNIA

**BKF** 1646 N. CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA 94596 (925) 940-2200 www.bkf.com

1646 N CALIFORNIA BLVD. SUITE 400 WALNUT CREEK, CA. 94596

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR FIBER ROLLS INSTALLATION DETAIL, SEE CALTRANS REVISED STANDARD PLAN RSP H51. FIBER ROLLS SHALL BE PLACED 10 FEET APART FOR SLOPES GREATER THAN 2:1 (H:V) 15 FEET APART FOR SLOPES FROM 2:1 TO 4:1, 20 FEET APART FOR SLOPES FROM 4:1 TO 10:1, AND 50 FEET APART FOR SLOPES FLATTER THAN 10:1.
  - DIMENSIONS MAY VARY TO FIT ACTUAL FIELD CONDITIONS.

- LEGEND:**
- EROSION CONTROL (TYPE 1). SEE DETAIL ON SHEET ECL-1
  - EROSION CONTROL (TYPE 2). SEE DETAIL ON SHEET ECL-1
  - TEMPORARY FIBER ROLL
  - TEMPORARY GRAVEL BAG BERM FOR DRAINAGE INLET PROTECTION (TYPE 3A) PER CALTRANS STND DTL T62



**EROSION CONTROL PLAN EC-5**

DATE PLOTTED => Sep 07 2022  
TIME PLOTTED => 4:01 pm



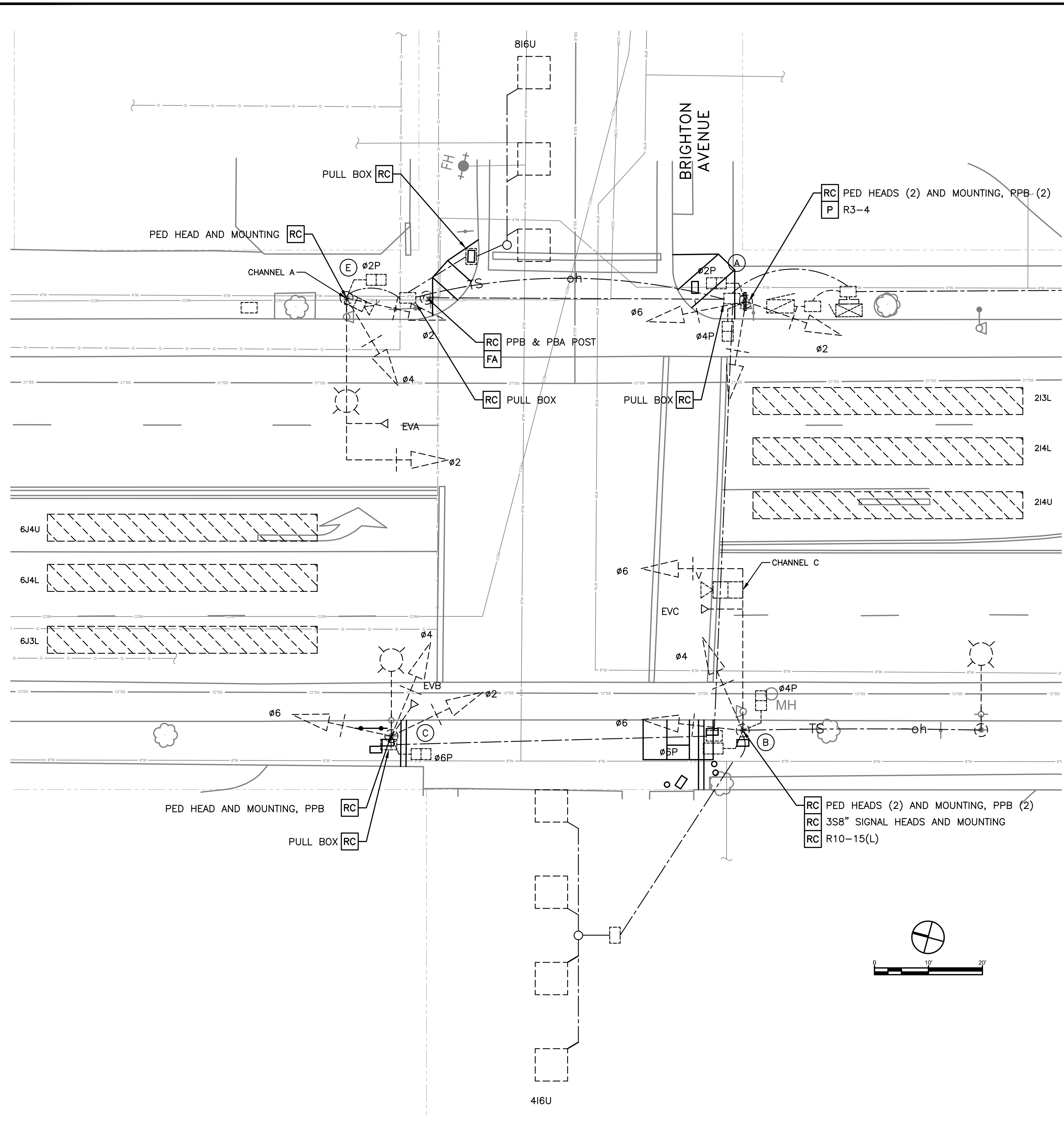
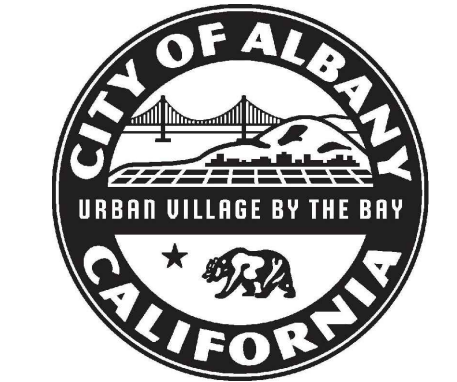
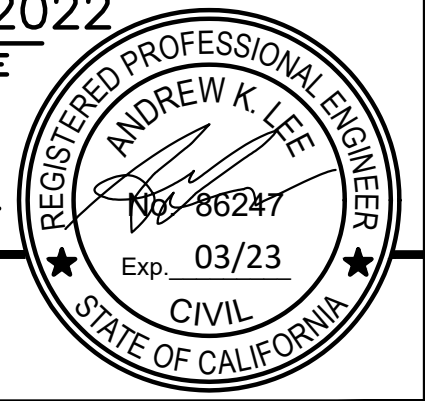
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: DAVID PARISI, PE, TE  
 CALCULATED/DESIGNED BY: ANDREW LEE, PE, TE  
 CHECKED BY: ANDREW LEE, PE, TE  
 REVISED BY: ANDREW LEE, PE, TE  
 DATE REVISED: [ ]

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	43	53

ANDREW K. LEE 10/06/2022  
 REGISTERED ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- AB** FOUNDATION TO BE ABANDONED. REMOVE TO MIN 1' BELOW FINISHED GRADE.
- P** PROTECT IN PLACE EXISTING EQUIPMENT.
- RC** EQUIPMENT OR MATERIALS TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.

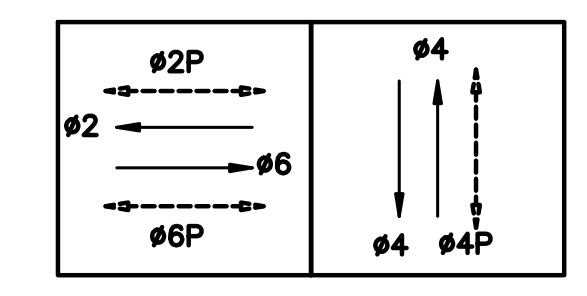
**GENERAL NOTES (THIS SHEET ONLY)**

1. PATCH ALL HOLES RESULTING FROM REMOVED EQUIPMENT WITH A METAL PLATE.
2. ALL WORK ON SIGNALIZED INTERSECTION ONLY OCCURS FROM 9 AM TO 2 PM, OR NIGHTTIME, DEFINED AS 9 PM TO 5 AM.

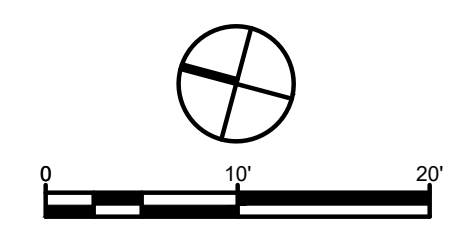
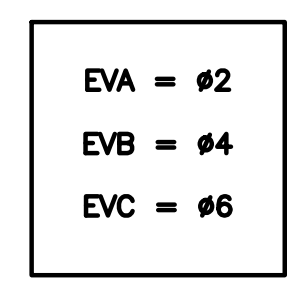
**SIGN LEGEND**

- R3-4 - NO U-TURN
- R10-15 TURNING VEHICLES YIELD TO PEDESTRIANS

**EXISTING STEADY DEMAND SEQUENCE**



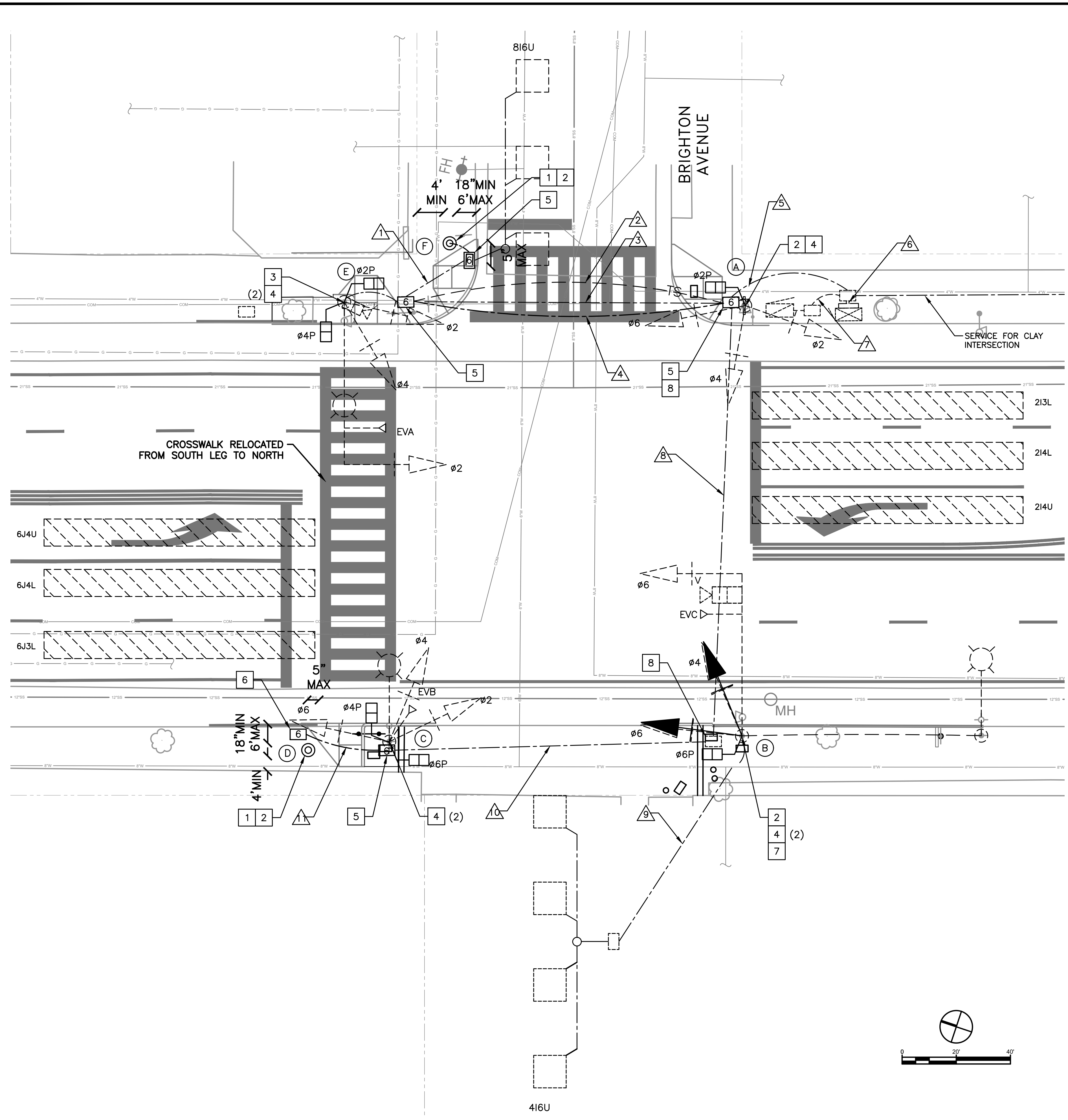
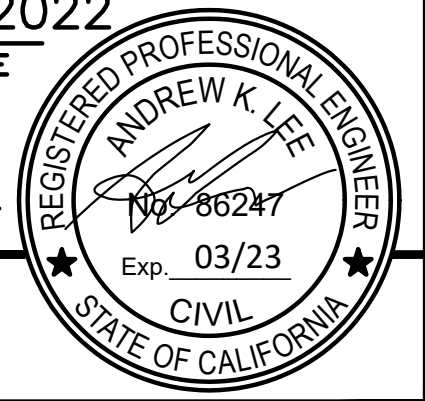
**EMERGENCY VEHICLE PREEMPTION**



EXISTING TRAFFIC SIGNAL PLAN  
 SAN PABLO AVENUE & BRIGHTON AVENUE

E-1.1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	44	53
ANDREW K. LEE			10/06/2022		
REGISTERED ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



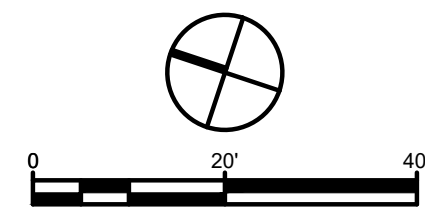
**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- 1 INSTALL PBA POST, MIN 1.5' AND MAX 6' FROM FACE OF CURB. MAINTAIN MIN 4' BETWEEN POLE AND BACK OF SIDEWALK OR FACE OF BUILDING.
- 2 INSTALL TOUCHLESS APS 3-WIRE TYPE WITH CONTROL UNIT IN THE PEDESTRIAN SIGNAL HEAD CORRESPONDING TO THE SAME PHASE.
- 3 INSTALL TOUCHLESS APS ON 7-13" MOUNTING EXTENDER BRACKET, EXTENDER TO POINT SOUTH. ENSURE APS IS <10" FROM THE ACCESSIBLE PATH OF TRAVEL. APS SHALL BE THE 3-WIRE TYPE WITH CONTROL UNIT IN THE PEDESTRIAN SIGNAL HEAD CORRESPONDING TO THE SAME PHASE.
- 4 INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL ON NEW MOUNTING HARDWARE.
- 5 INSTALL CONDUIT INTO NEW No. 6 PULL BOX AT THE EXISTING PULL BOX LOCATION.
- 6 INSTALL CONDUIT INTO NEW No. 6 PULL BOX.
- 7 INSTALL NEW 3S12" SIGNAL HEADS (2) AND BACKPLATES WITH 2" REFLECTIVE TAPE ON NEW MOUNTING HARDWARE. ADD OR INSTALL REFLECTIVE TAPE ON EXISTING BACKPLATES WHEREVER MISSING.
- 8 SPLICE EXIST AND NEW Ø4P AND Ø4APS CONDUCTORS

**GENERAL NOTES (THIS SHEET ONLY)**

1. CONTRACTOR SHALL POTHOLE ALL PROPOSED POLE LOCATIONS. ENGINEER SHALL CONFIRM FINAL POLE PLACEMENT PRIOR TO CONTRACTOR POURING THE FOUNDATION
2. SEE "PROPOSED TRAFFIC SIGNAL SCHEDULE" ON THE NEXT SHEET FOR EQUIPMENT AND MOUNTING DETAILS.
3. CONTRACTOR SHALL PROGRAM THE AUDIBLE MESSAGE ON EACH APS PER THE SPECIFICATIONS.
4. CONTRACTOR SHALL ADJUST THE VIDEO DETECTION ZONES.
5. ADD OR INSTALL REFLECTIVE TAPE ON EXISTING BACKPLATES WHEREVER MISSING.
6. ALL WORK ON SIGNALIZED INTERSECTION ONLY OCCURS FROM 9 AM TO 2 PM. OR NIGHTTIME, DEFINED AS 9 PM TO 5 AM.

**PROPOSED EXISTING STEADY DEMAND SEQUENCE      EMERGENCY VEHICLE PREEMPTION**



**PROPOSED TRAFFIC SIGNAL PLAN**  
 SAN PABLO AVENUE AND BRIGHTON AVENUE  
 E-1.2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: DAVID PARISI, PE, TE  
 CALCULATED/DESIGNED BY: ANDREW LEE, PE, TE  
 CHECKED BY: ANDREW LEE, PE, TE  
 REVISIONS: (None)  
 REVISED BY: (None)  
 DATE REVISED: (None)



CONDUCTOR SCHEDULE												
AWG OR CABLE	CONDUCTOR RUN	NUMBER OF CONDUCTORS										
		RUN NUMBER										
		EX	EX-OH	EX	NEW	EX	EX	EX	EX	EX	EX	NEW
		1	2	3	4	5	6	7	8	9	10	11
#14	Ø2			3					3		3	
	Ø4			3					3		3	
	Ø6								3		3	
	Ø2P			2								
	Ø4P				2*				2		2*	
	Ø6P								2		2	
	Ø2 APS	2*		2								
	Ø4 APS				2*				2		2*	2*
	Ø6 APS								2		2	
	APS COMMON	1*		1	1*				1		1	1*
	P.E.C											
SPARES				3*							3*	
TOTAL #14			11	8*							6*	
#10	SIGNAL COMMON			1		2	2		1		1	
	LUMINAIRES			2		4		4	2		2	
	TOTAL #10			3		6	2	4	3		3	
#6	SIGNAL SERVICE							2	2			
DLC	Ø4 DETECTORS	1		1		2	2		1	1		
OPTICOM CABLES	EVA (Ø2)			1		1	1					
	EVB (Ø4)					1	1		1		1	
	EVC (Ø6)					1	1		1			
	TOTAL CABLES			1		3	3		2		1	
VIDEO DETECTION	CHANNEL A		1			1	1					
	CHANNEL B											
	CHANNEL C					1	1		1			
	TOTAL CABLES		1			2	2		1			
APS CABLE	Ø2 APS	1*										
	Ø6 APS										1*	
	TOTAL CABLES	1*									1*	
CONDUIT SIZE						3"					3"	
PERCENT FILL						2%					4%	

\*NEW CONDUCTORS  
EX - EXISTING CONDUIT  
EX OH - EXISTING OVERHEAD WIRE  
NEW - NEW CONDUIT

EQUIPMENT AND POLE SCHEDULE										
LOCATION	STANDARD			LED LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNT.	ACCESSIBLE PEDESTRIAN SIGNAL (APS) (N)		SPECIAL REQUIREMENTS
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM		MAST ARM	POLE		PHASE (Ø)	ARROW	
(A)	1-A	---	---	---	---	SV-3-T	SP-1 (N)	Ø2	→	REMOVE Exist PPB AND PED HEADS. INSTALL NEW APS 3-WIRE TYPE AND PED HEAD ON NEW HARDWARE. COVER HOLES WITH METAL PLATE.
(B)	18-1-70	30	---	---	MAS	SV-2-T (N)	SP-1 (N)	Ø6	←	REMOVE Exist 3S8" SIGNAL HEADS, PPB AND PED HEADS. INSTALL NEW 3S12" SIGNAL HEADS WITH REFLECTIVE YELLOW BACKPLATE, APS 3-WIRE TYPE AND PED HEAD ON NEW HARDWARE. COVER HOLES WITH METAL PLATE
(C)	15TS	---	12	139	---	SV-3-T	SP-2 (N)	Ø4	→	REMOVE Exist PPB AND PED HEAD. INSTALL NEW APS 3-WIRE TYPE AND PED HEADS (2) ON NEW HARDWARE.
(D)	PBA POST (N)	---	---	---	---	---	---	Ø6	←	INSTALL NEW PBA POST AND APS 3-WIRE TYPE. CONNECT APS TO NEW CONTROL UNIT IN THE PED HEAD ON POLE C.
(E)	19-1-70	30	15	139	MAS	SV-2-T	SP-2 (N)	Ø4	←	REMOVE Exist PED HEAD. INSTALL NEW APS 3-WIRE TYPE ON 7-13" MOUNTING EXTENDER, EXTENDER TO POINT SOUTH. ADJUST EXTENDER SUCH THAT PED REACH DISTANCE IS MAX 10" FROM ACCESSIBLE PATH. INSTALL PED HEADS (2) ON NEW HARDWARE.
(F)	PBA POST (N)	---	---	---	---	---	---	Ø2	→	INSTALL NEW PBA POST AND APS 3-WIRE TYPE. CONNECT APS TO NEW CONTROL UNIT IN THE PED HEAD ON POLE E.

(N) - NEW EQUIPMENT

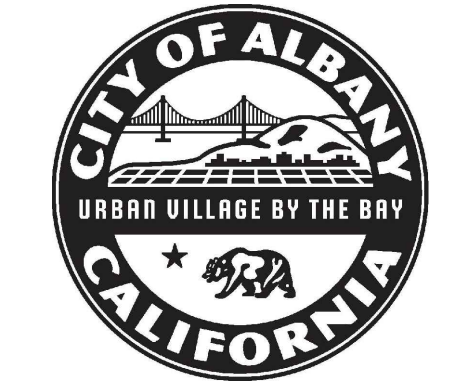
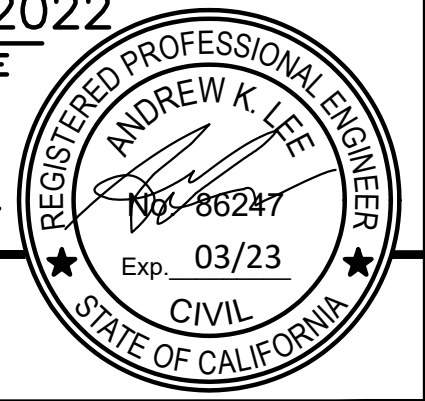
ALL APS SHALL BE NEW AND INCLUDE A R10-3 SIGN.  
ALL PED SIGNALS AND MOUNTS SHALL BE NEW.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
CONSULTANT FUNCTIONAL SUPERVISOR  
CALCULATED, DESIGNED BY  
REVISOR BY  
DATE REVISOR  
MACLEAN GROSEL, EIT  
ANDREW LEE, PE, TE  
DAVID PARISI, PE, TE  
811  
Know what's below.  
Call before you dig.

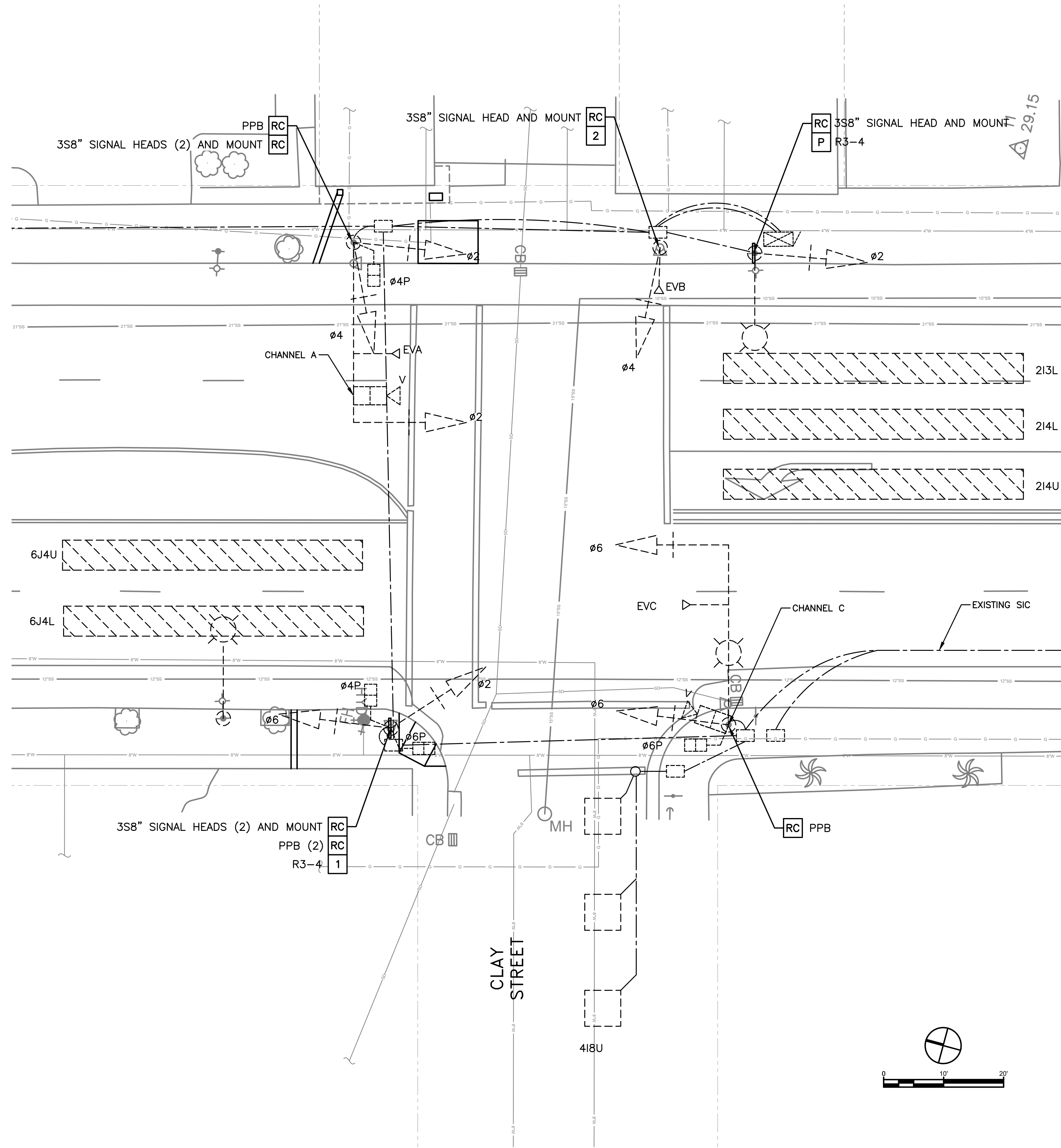
DATE PLOTTED =>  
TIME PLOTTED =>  
04-22-19  
LAST REVISION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	46	53

ANDREW K. LEE 10/06/2022  
 REGISTERED ENGINEER DATE  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
<b>Caltrans</b>	DAVID PARISI, PE, TE	CHECKED BY	DATE REVISOR
		MACLEAN GROSEL, EIT	
		ANDREW LEE, PE, TE	



**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- P** PROTECT IN PLACE EXISTING EQUIPMENT
- RC** EQUIPMENT OR MATERIALS TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
- 1** REMOVE AND RELOCATE SIGN TO TOP OF EXIST POLE ABOVE NEW 12" SIGNAL HEADS.
- 2** REMOVE AND RELOCATE EVP DETECTOR TO TOP OF NEW 12" SIGNAL HEAD.

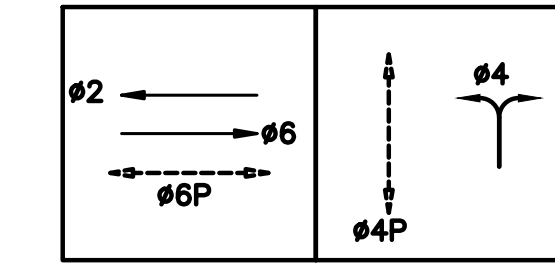
**GENERAL NOTES (THIS SHEET ONLY)**

1. PATCH ALL HOLES RESULTING FROM REMOVED EQUIPMENT WITH A METAL PLATE.
2. ALL WORK ON SIGNALIZED INTERSECTION ONLY OCCURS FROM 9 AM TO 2 PM, OR NIGHTTIME, DEFINED AS 9 PM TO 5 AM.

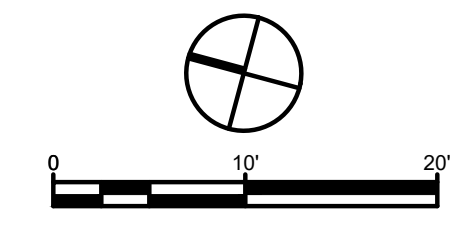
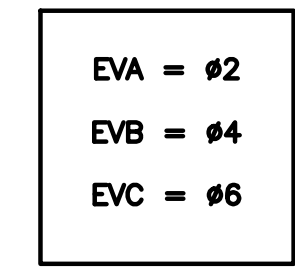
**SIGN LEGEND**

R3-4 - NO U-TURN

**EXISTING STEADY DEMAND SEQUENCE**



**EMERGENCY VEHICLE PREEMPTION**



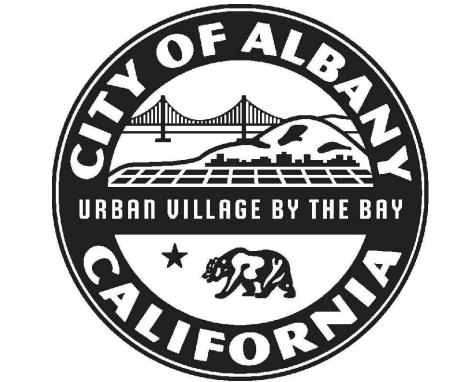
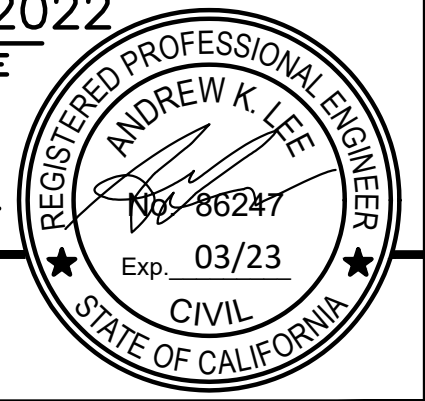
EXISTING TRAFFIC SIGNAL PLAN  
SAN PABLO AVENUE & CLAY STREET

E-2.1

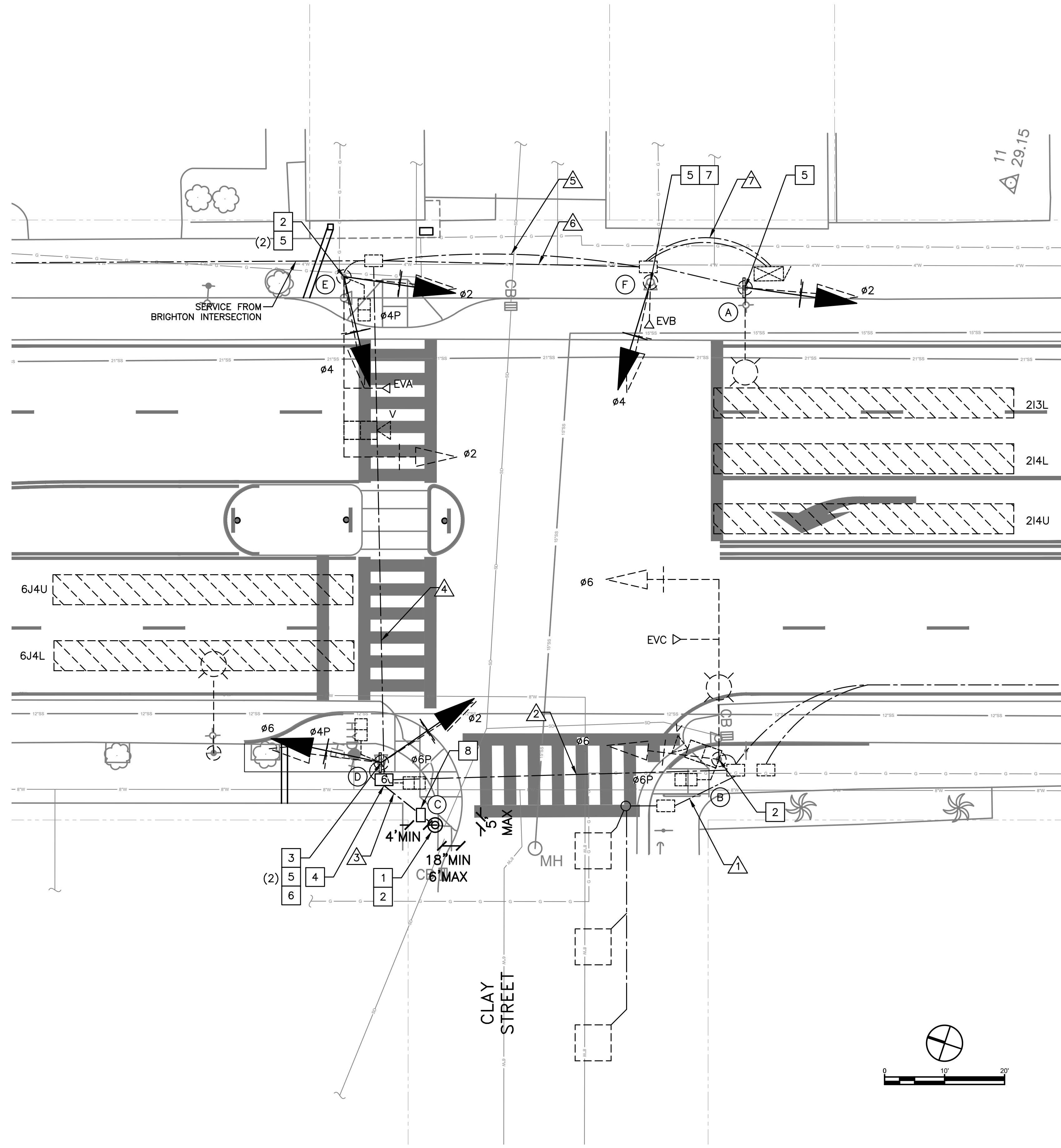
LAST REVISION 04-22-19 DATE PLOTTED 04-22-19 TIME PLOTTED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	47	53

ANDREW K. LEE 10/06/2022  
 REGISTERED ENGINEER DATE  
 PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: DAVID PARISI, PE, TE  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 MACLEAN GROSEL, EIT ANDREW LEE, PE, TE  
 REVISED BY: DATE REVISED:



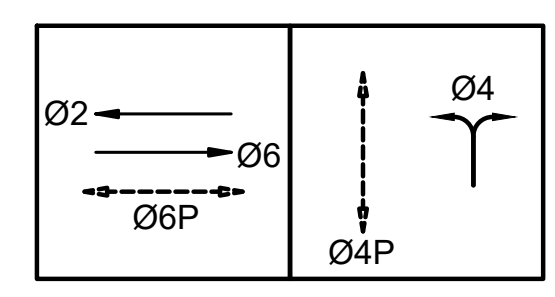
**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- 1 INSTALL PUSH BUTTON POST, MIN 1.5' AND MAX 6' FROM FACE OF CURB.
- 2 INSTALL TOUCHLESS APS 3-WIRE TYPE WITH CONTROL UNIT IN THE PEDESTRIAN SIGNAL HEAD CORRESPONDING TO THE SAME PHASE.
- 3 INSTALL TOUCHLESS APS ON 13-24" MOUNTING EXTENDER BRACKET, EXTENDER TO POINT SOUTH. ENSURE APS IS <10" FROM THE ACCESSIBLE PATH OF TRAVEL. APS SHALL BE THE 3-WIRE TYPE WITH CONTROL UNIT IN THE PEDESTRIAN SIGNAL HEAD CORRESPONDING TO THE SAME PHASE.
- 4 INSTALL CONDUIT INTO NEW No. 6 PULL BOX AT THE EXISTING PULL BOX LOCATION.
- 5 INSTALL NEW 3S12" SIGNAL HEAD AND BACKPLATES WITH 2" REFLECTIVE TAPE ON NEW MOUNTING HARDWARE.
- 6 REINSTALL SIGN TO TOP OF Exist POLE ABOVE NEW 12" SIGNAL HEAD.
- 7 REINSTALL EVP DETECTOR TO TOP OF NEW 12" SIGNAL HEAD.
- 8 INSTALL NEW No. 5 PULL BOX.

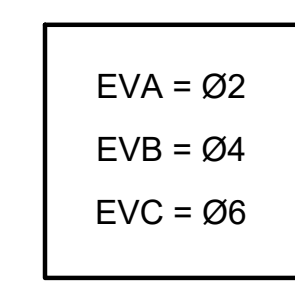
**GENERAL NOTES (THIS SHEET ONLY)**

1. CONTRACTOR SHALL POTHOLE ALL PROPOSED POLE LOCATIONS. ENGINEER SHALL CONFIRM FINAL POLE PLACEMENT PRIOR TO CONTRACTOR POURING THE FOUNDATION
2. SEE "PROPOSED TRAFFIC SIGNAL SCHEDULE" ON THE NEXT SHEET FOR EQUIPMENT AND MOUNTING DETAILS.
3. CONTRACTOR SHALL PROGRAM THE AUDIBLE MESSAGE ON EACH APS PER THE SPECIFICATIONS.
4. CONTRACTOR SHALL ADJUST THE VIDEO DETECTION ZONES.
5. ADD OR INSTALL REFLECTIVE TAPE ON EXISTING BACKPLATES WHEREVER MISSING.
6. ALL WORK ON SIGNALIZED INTERSECTION ONLY OCCURS FROM 9 AM TO 2 PM. OR NIGHTIME, DEFINED AS 9 PM TO 5 AM.

**EXISTING STEADY DEMAND SEQUENCE**



**EMERGENCY VEHICLE PREEMPTION**



**PROPOSED TRAFFIC SIGNAL PLAN**  
 SAN PABLO AVENUE & CLAY STREET

E-2.2

LAST REVISION 04-22-19 DATE PLOTTED => TIME PLOTTED =>



CONDUCTOR SCHEDULE								
AWG OR CABLE	CONDUCTOR RUN	NUMBER OF CONDUCTORS						
		RUN NUMBER						
		EX	EX	NEW	EX	EX	EX	EX
		1	2	3	4	5	6	7
#14	Ø2				3		3	3
	Ø4						3	3
	Ø6		3		3		3	3
	Ø2P							
	Ø4P				2		2	2
	Ø6P		2		2		2	2
	Ø2 APS							
	Ø4 APS				2		2	2
	Ø6 APS		2	2*	2		2	2
	PPB COMMON		1	1*	1		1	1
	P.E.C							
	SPARES			3*				
	TOTAL #14		8	6*	15		18	18
	#10	SIGNAL COMMON		1		1		1
LUMINAIRES			2		2		2	2
TOTAL #10			3		3		3	3
#6	SIGNAL SERVICE					2	2	
DLC	Ø4 DETECTORS	1	1		1		1	1
OPTICOM CABLES	EVA (Ø2)						1	1
	EVB (Ø4)							1
	EVC (Ø6)		1		1		1	1
	TOTAL CABLES		1		1		3	3
VIDEO DETECTION	CHANNEL A						1	1
	CHANNEL B							
	CHANNEL C		1		1		1	1
	TOTAL CABLES		1		1		2	2
APS CABLE	Ø6 APS			1*				
CONDUIT SIZE				3"				
PERCENT FILL				4%				

\*NEW CONDUCTORS

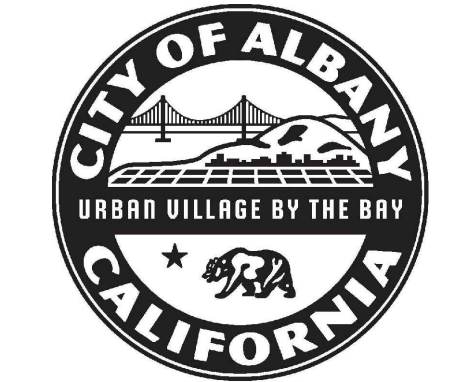
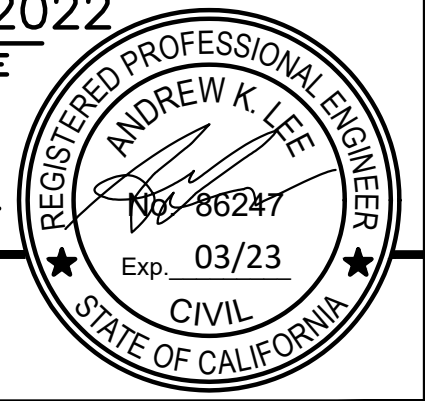
EQUIPMENT AND POLE SCHEDULE										
LOCATION	STANDARD			LED LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING		PED SIGNAL MOUNT.	ACCESSIBLE PEDESTRIAN SIGNAL (APS) (N)		SPECIAL REQUIREMENTS
	TYPE	SIGNAL MAST ARM	LUMINAIRE MAST ARM		MAST ARM	POLE		PHASE (Ø)	ARROW	
(A)	TS	--	12	139	--	SV-1-T (N)	--	--	--	REMOVE Exist 3S8" SIGNAL HEAD AND INSTALL NEW 3S12" SIGNAL HEAD WITH REFLECTIVE YELLOW BACKPLATE. REINSTALL SIGN TO ABOVE THE NEW 12" SIGNAL HEAD.
(B)	19-1-70	25	15	139	MAS	SV-1-T	SP-1	Ø6	←	REMOVE Exist PPB AND INSTALL NEW APS 3-WIRE TYPE.
(C)	PBA POST (N)	--	--	--	--	--	--	Ø6	←	INSTALL NEW PBA POST AND APS 3-WIRE TYPE. CONNECT APS TO NEW CONTROL UNIT IN THE PED HEAD ON POLE D.
(D)	1-A	--	--	--	--	SV-2-T (N)	SP-2	Ø4	→	REMOVE Exist PPB AND PED HEADS. INSTALL NEW APS 3-WIRE TYPE ON 13-24" MOUNTING EXTENDER BRACKET, EXTENDER TO POINT SOUTH. ADJUST EXTENDER SUCH THAT PED REACH DISTANCE IS MAX 10" FROM ACCESSIBLE PATH. INSTALL NEW PED HEADS ON NEW HARDWARE.
(E)	18-1-70	--	--	--	MAS	SV-2-T (N)	SP-1-T	Ø4	←	REMOVE TWO Exist 3S8" SIGNAL HEAD AND INSTALL NEW 3S12" SIGNAL HEAD WITH REFLECTIVE YELLOW BACKPLATE. INSTALL NEW APS 3-WIRE TYPE.
(F)	1-B	--	--	--	--	TV-1-T (N)	--	--	--	REMOVE Exist 3S8" SIGNAL HEAD AND INSTALL NEW 3S12" SIGNAL HEAD WITH REFLECTIVE YELLOW BACKPLATE. REINSTALL EVP DETECTOR TO ABOVE THE NEW 12" SIGNAL HEAD.

(N) - NEW EQUIPMENT

ALL APS SHALL BE NEW AND INCLUDE A R10-3 SIGN.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT SUPERVISOR  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 MACLEAN GROSEL, EIT  
 ANDREW LEE, PE, TE  
 REVISOR BY  
 DATE REVISOR  
 DAVID PARISI, PE, TE  
 811  
 Know what's below.  
 Call before you dig.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	49	53
ANDREW K. LEE 10/06/2022 REGISTERED ENGINEER DATE					
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

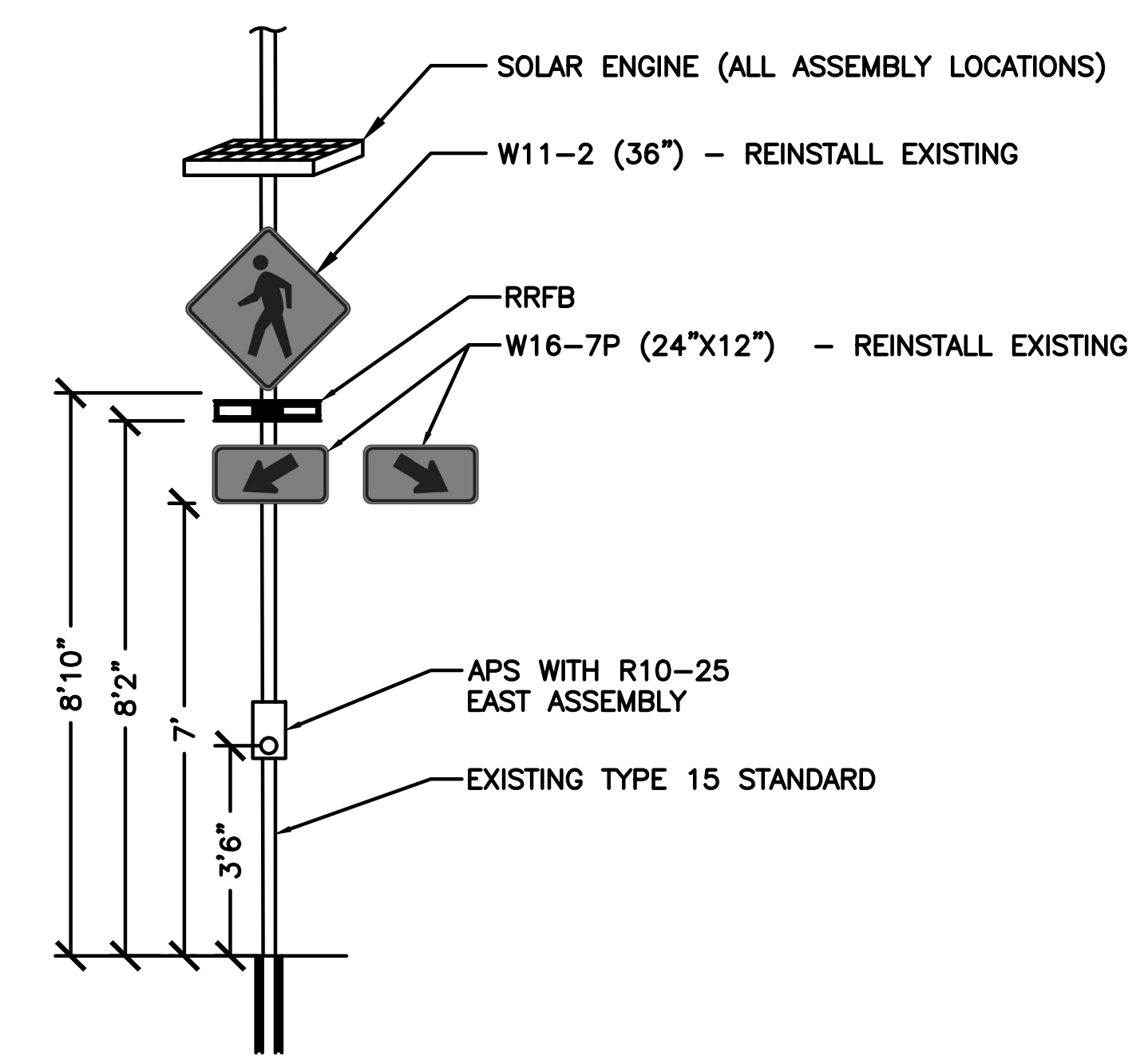
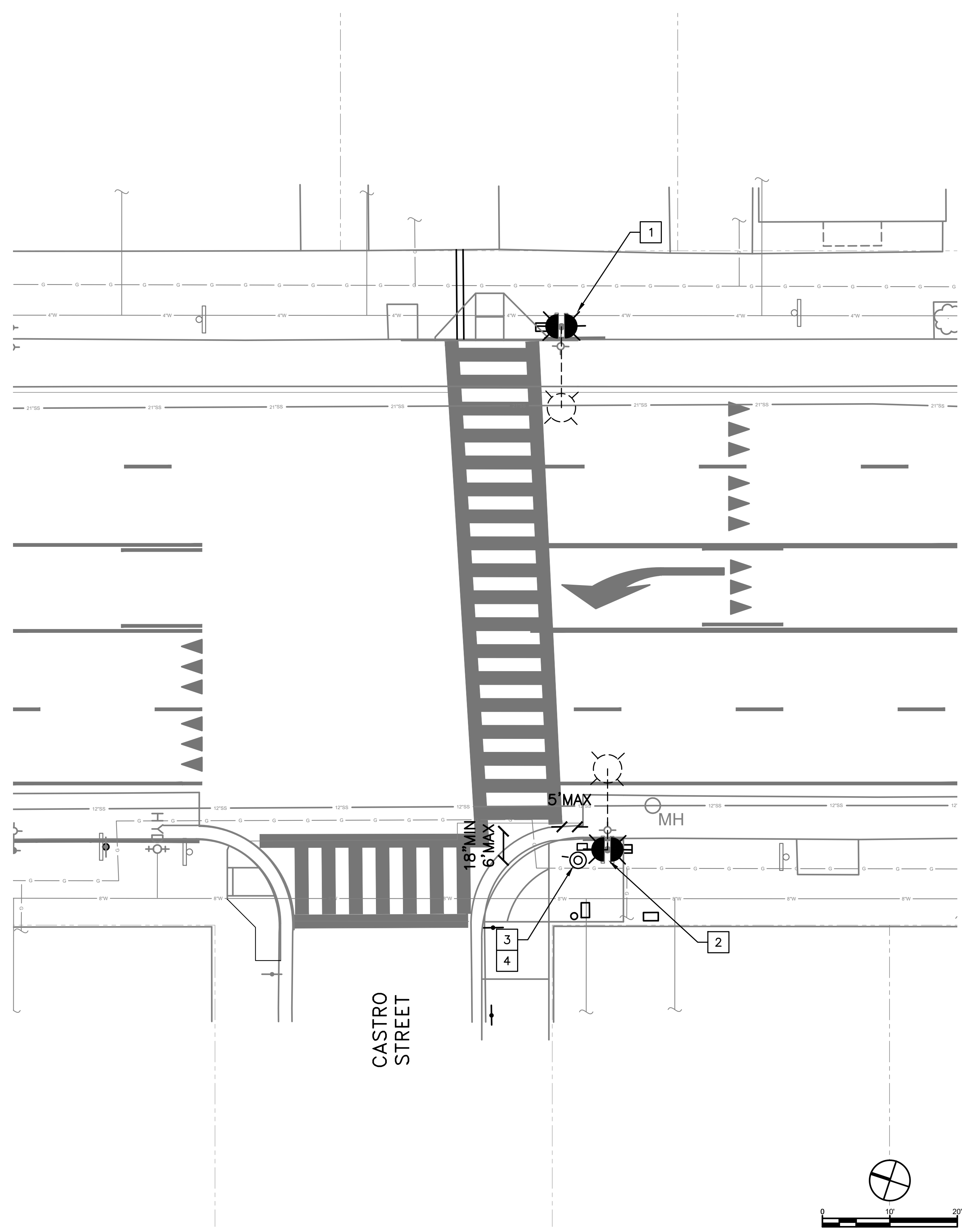


**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- 1 INSTALL 2-SIDED WIRELESS SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON ASSEMBLY ON EXISTING TYPE 15TS LIGHTING STANDARD. INSTALL APS. REINSTALL EXISTING SIGNS. SEE SH. PD-2. SOLAR POWERED RRFB'S INSTALLED ON CITY MAINTAINED POLES SHALL BE MAINTAINED BY THE CITY.
- 2 INSTALL 2-SIDED WIRELESS SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON ASSEMBLY ON EXISTING TYPE 15TS LIGHTING STANDARD. REINSTALL EXISTING SIGNS. SEE SH. PD-2. SOLAR POWERED RRFB'S INSTALLED ON CITY MAINTAINED POLES SHALL BE MAINTAINED BY THE CITY.
- 3 INSTALL No. 3.5 PULL BOX AND 2-INCH CONDUIT, 3#14 CONDUCTORS BETWEEN PBA POST AND TYPE 15TS LIGHTING STANDARD. CONNECT TO RRFB MOUNTED ON TYPE 15TS VIA EXTERNAL CONDUIT.
- 4 INSTALL APS WITH R10-25 ON NEW PBA POST. CONNECT TO ADJACENT RRFB ASSEMBLY. PBA POST SHALL BE INSTALLED MIN 18" AND MAX 6' FROM FACE OF CURB, MAX 5' FROM CROSSWALK.

**GENERAL NOTES (THIS SHEET ONLY)**

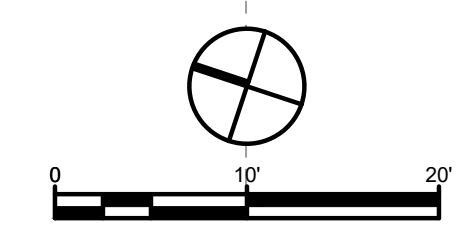
1. CONTRACTOR SHALL POT-HOLE ALL PROPOSED POLE LOCATIONS. ENGINEER SHALL CONFIRM FINAL POLE PLACEMENT PRIOR TO CONTRACTOR POURING THE FOUNDATION
2. ATTACH RRFB ASSEMBLY TO EXISTING LIGHTING STANDARDS USING STRAPS PER MANUFACTURER'S INSTRUCTIONS.
3. CONTRACTOR SHALL PROGRAM THE AUDIBLE APS MESSAGE AND THE BEACON FLASH INTERVAL ACCORDING TO THE SPECIFICATIONS.



**WIRELESS, SOLAR POWERED RRFB ASSEMBLY ON Exist TYPE 15TS LIGHTING STANDARD**

NOTE:  
 DETAIL SHOWS ONLY 1 SIDE OF ASSEMBLY, SIGNS AND RRFB LIGHT BAR SHALL BE INSTALLED ON BOTH SIDES.  
 W11-2 AND W16-7P SHALL BE RETROREFLECTIVE AND FLUORESCENT YELLOW-GREEN.  
 RRFB SYSTEM TO BE WIRELESSLY CONNECTED AND SYNCHRONIZED TO OTHER ASSEMBLY AND PEDESTRIAN PUSH BUTTON  
 SIGN AND BEACON MOUNTING PER 2018 CALTRANS STANDARD PLAN AND MANUFACTURER SPECIFICATIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 CALCULATED/DESIGNED BY  
 REVISOR BY  
 DATE REVISOR  
 MACLEAN GROSEL, EIT  
 ANDREW LEE, PE, TE  
 DAVID PARISI, PE, TE  
 \$USER  
 \$REQUEST  
 USERNAME =>  
 DGN FILE =>  
 BORDER LAST REVISED 7/2/2010



PROPOSED TRAFFIC BEACON PLAN  
 SAN PABLO AVENUE & CASTRO STREET

E-3


LAST REVISION  
 04-22-19  
 DATE PLOTTED =>  
 TIME PLOTTED =>

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	50	53

ANDREW K. LEE 10/06/2022  
REGISTERED ENGINEER DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

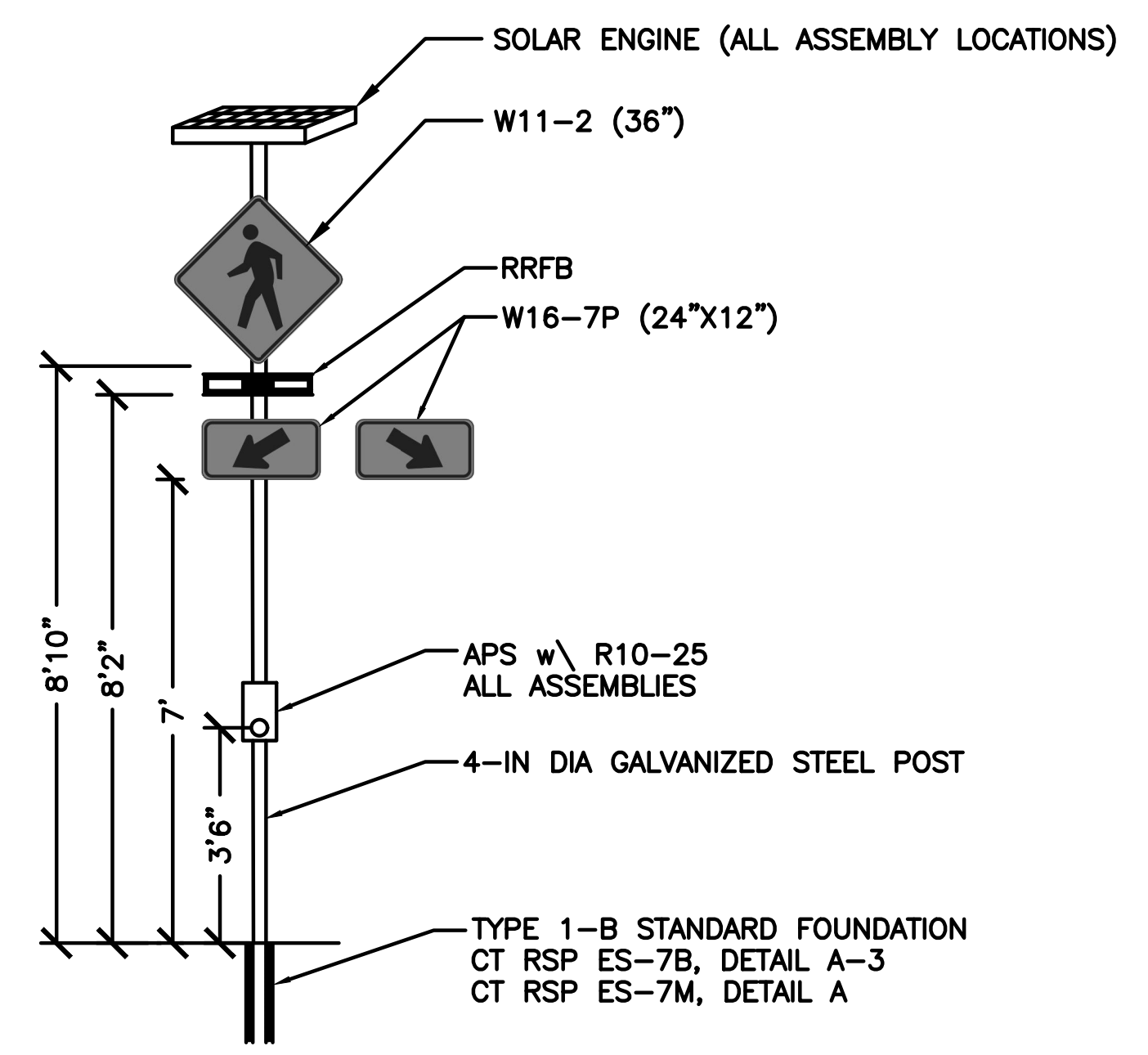



**CONSTRUCTION NOTES (THIS SHEET ONLY)**

1. INSTALL 1-SIDED WIRELESS SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON ASSEMBLY ON NEW 4-IN DIA GALVANIZED STEEL POST. INSTALL APS AT MAX 10" FROM FACE OF CURB OF THE PEDESTRIAN WALKWAY AND MAX 5' FROM CROSSWALK. REINSTALL EXISTING SIGNS. SEE SH. PD-3. SOLAR POWERED RRFB'S INSTALLED ON CITY MAINTAINED POLES SHALL BE MAINTAINED BY THE CITY.
2. INSTALL 2-SIDED WIRELESS SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON ASSEMBLY ON NEW 4-IN DIA GALVANIZED STEEL POST. INSTALL APS AT MAX 10" FROM FACE OF CURB OF THE PEDESTRIAN WALKWAY AND MAX 5' FROM CROSSWALK. SOLAR POWERED RRFB'S INSTALLED ON CITY MAINTAINED POLES SHALL BE MAINTAINED BY THE CITY.
3. INSTALL 1-SIDED WIRELESS SOLAR RECTANGULAR RAPID FLASHING BEACON ASSEMBLY ON EXISTING TYPE 15TS LIGHTING STANDARD. INSTALL APS. REINSTALL EXISTING SIGNS. SEE SH. PD-3. SOLAR POWERED RRFB'S INSTALLED ON CITY MAINTAINED POLES SHALL BE MAINTAINED BY THE CITY.

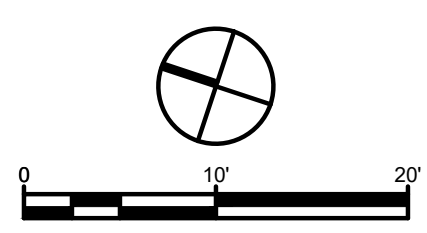
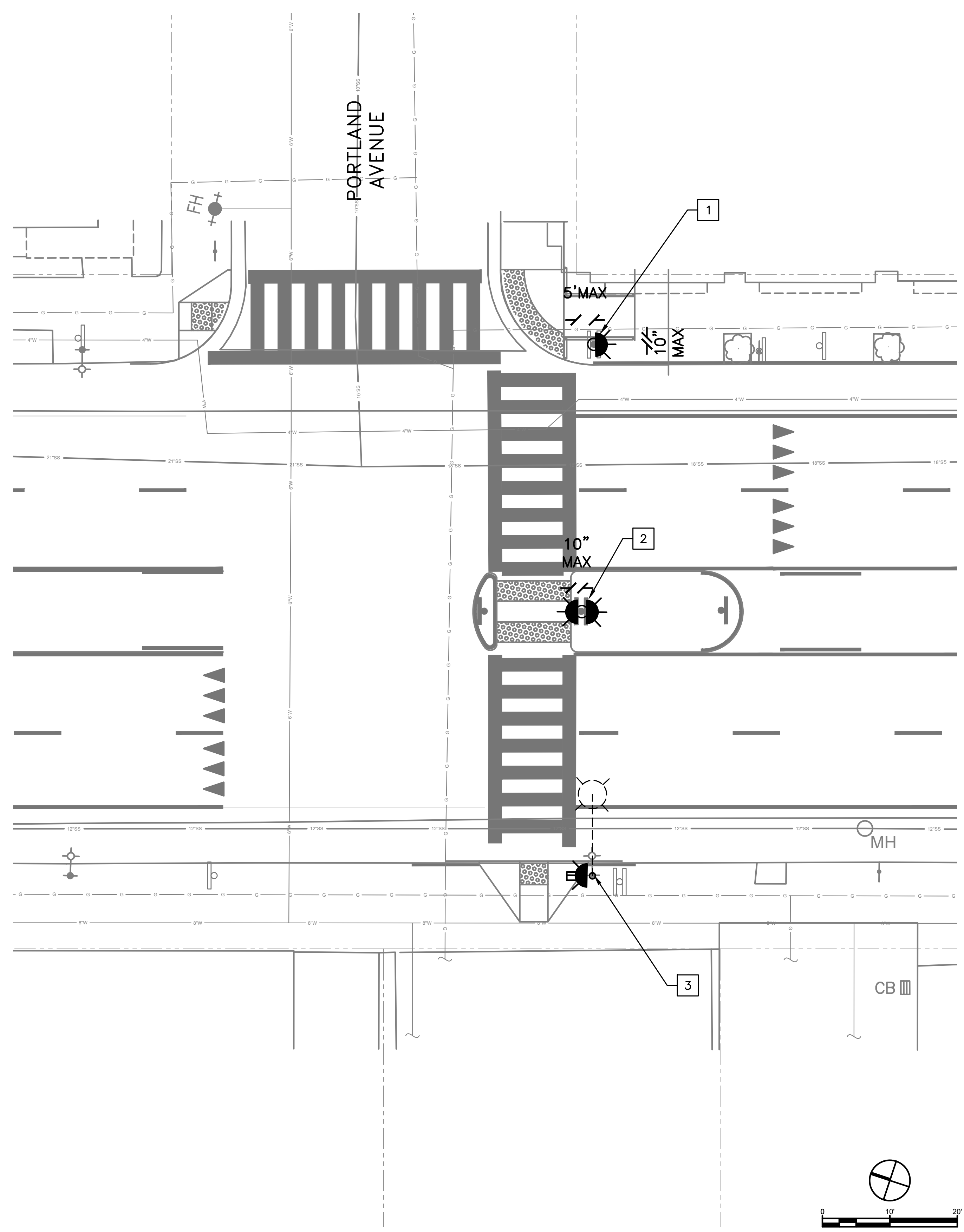
**GENERAL NOTES (THIS SHEET ONLY)**

1. CONTRACTOR SHALL POTHOLE ALL PROPOSED POLE LOCATIONS. ENGINEER SHALL CONFIRM FINAL POLE PLACEMENT PRIOR TO CONTRACTOR POURING THE FOUNDATION
2. ATTACH RRFB ASSEMBLY TO EXISTING LIGHTING STANDARDS USING STRAPS PER MANUFACTURER'S INSTRUCTIONS.
3. CONTRACTOR SHALL PROGRAM THE AUDIBLE APS MESSAGE AND THE BEACON FLASH INTERVAL ACCORDING TO THE SPECIFICATIONS.



**WIRELESS SOLAR RRFB ASSEMBLY ON 4-IN DIA GALVANIZED STEEL POST**

NOTE:  
 DETAIL SHOWS ONLY 1 SIDE OF ASSEMBLY, SIGNS AND RRFB LIGHT BAR SHALL BE INSTALLED ON BOTH SIDES WHERE IT IS DOUBLE-SIDED.  
 W11-2 AND W16-7P SHALL BE RETROREFLECTIVE AND FLUORESCENT YELLOW-GREEN.  
 RRFB SYSTEM TO BE WIRELESSLY CONNECTED AND SYNCHRONIZED TO OTHER ASSEMBLY AND APS.  
 SIGN AND BEACON MOUNTING PER 2018 CALTRANS STANDARD PLAN AND MANUFACTURER SPECIFICATIONS.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
<b>Caltrans</b>	DAVID PARISI, PE, TE	ANDREW LEE, PE, TE	MACLEAN GROSEL, EIT
	CHECKED BY	DATE REVISOR	



PROPOSED TRAFFIC BEACON PLAN  
 SAN PABLO AVENUE & PORTLAND AVENUE

E-4

DATE PLOTTED => 04-22-19 TIME PLOTTED =>

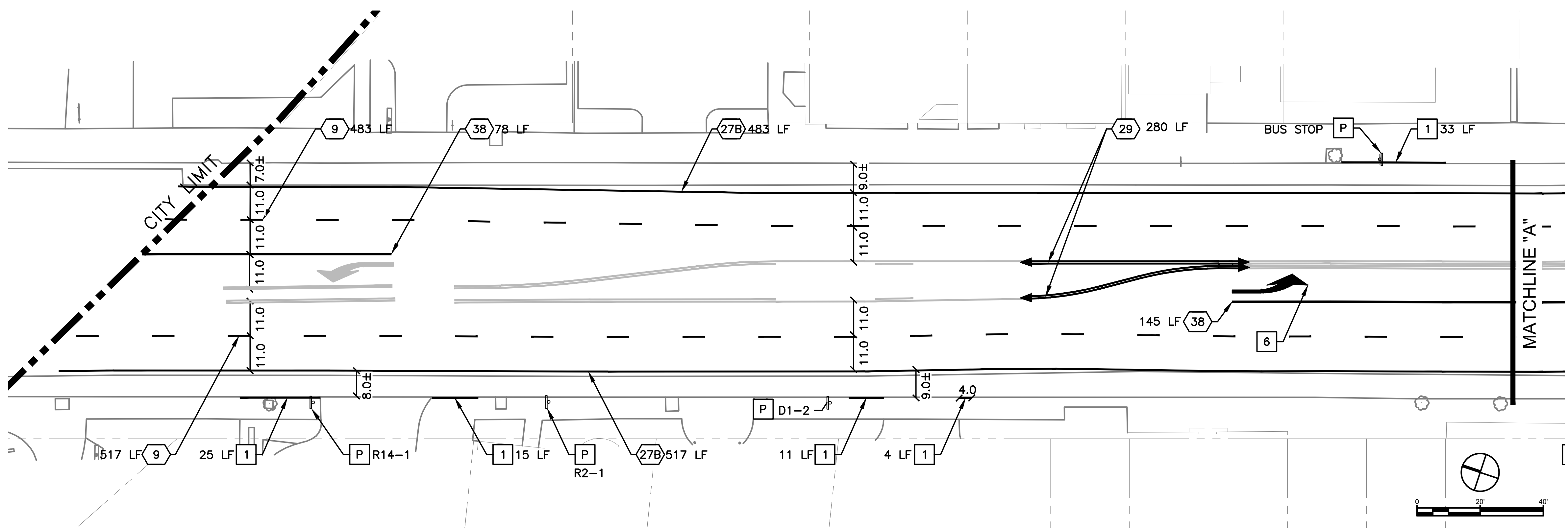
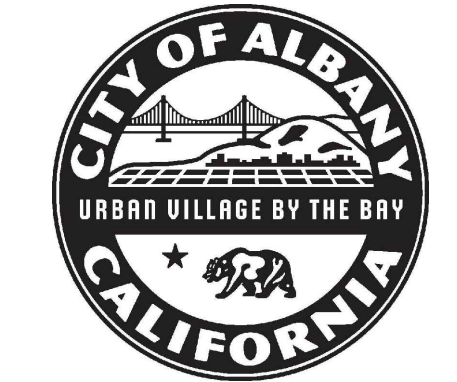


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	51	53

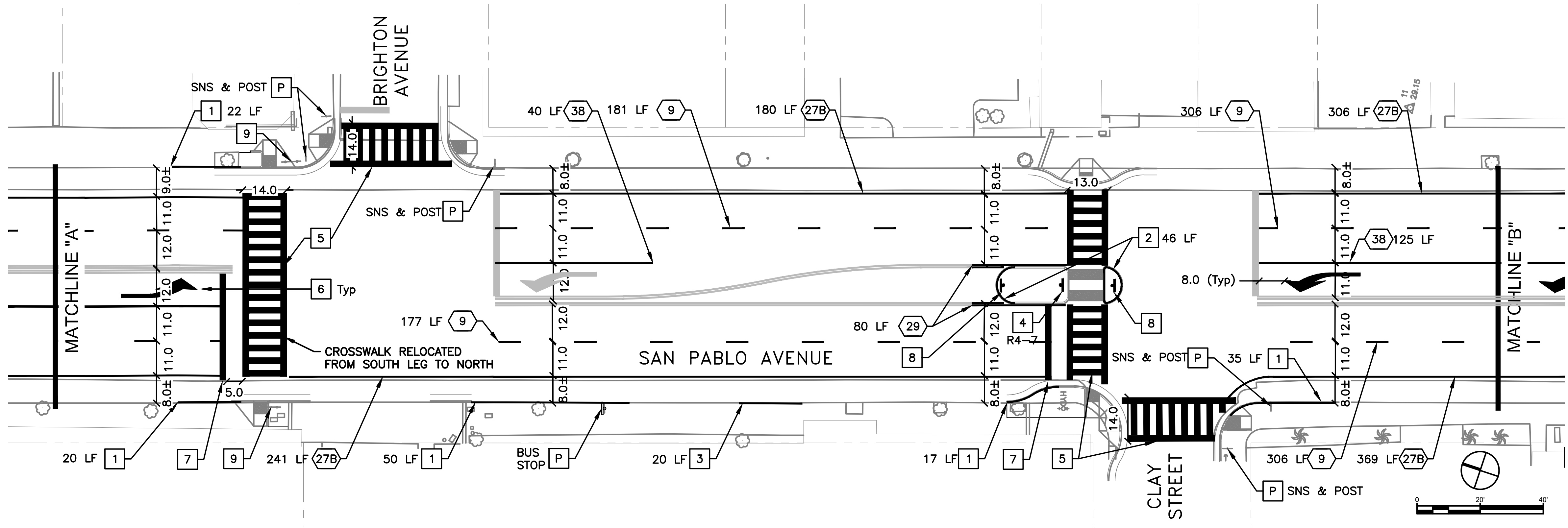
ANDREW K. LEE 10/06/2022  
 REGISTERED ENGINEER DATE



PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SIGNING AND STRIPING PLAN - SAN PABLO AVENUE  
 SCALE: 1" = 20'



SIGNING AND STRIPING PLAN - SAN PABLO AVENUE  
 SCALE: 1" = 20'

**CONSTRUCTION NOTES (THIS SHEET)**

- P PROTECT IN PLACE Exist EQUIPMENT
- RR REMOVE AND REINSTALL
- 1 PAINT/REFRESH RED CURB
- 2 PAINT MEDIAN NOSE YELLOW
- 3 PAINT/REFRESH BLUE CURB
- 4 INSTALL NEW R4-7 SIGN ON NEW SIGN POST
- 5 STRIPE LADDER CROSSWALK WITH 2' STRIPES
- 6 STRIPE TYPE III(L) PAVEMENT MARKING ARROW
- 7 STRIPE 12" WHITE LINE AT 5' SETBACK FROM XWALK STRIPE
- 8 INSTALL NEW TYPE K-1(CA) OBJECT MARKER
- 9 REMOVE AND DISPOSE OF Exist PED BARRICADE AND FOUNDATION

**SIGN LEGEND**

- R4-7 KEEP RIGHT
- D1-2 <-- BRIGHTON AVE  
CLAY STREET -->
- R2-1 SPEED LIMIT 30
- R14-1 TRUCK ROUTE
- SNS STREET NAME SIGNS

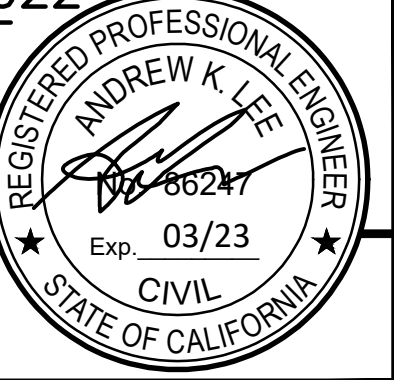


SIGNING AND PAVEMENT DELINEATION PLAN PD-1  
 SAN PABLO AVENUE

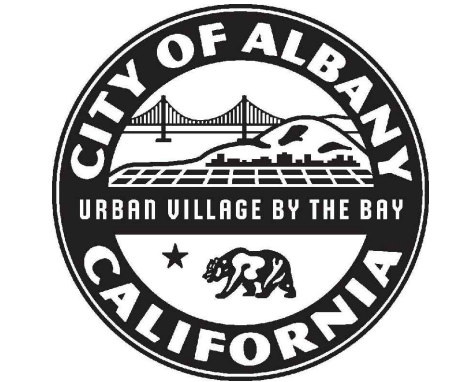
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR DAVID PARISI, PE, TE  
 CALCULATED, DESIGNED BY ANDREW LEE, PE, TE  
 CHECKED BY  
 REVISIONS: 10/06/2022  
 04-22-19  
 DATE PLOTTED  
 TIME PLOTTED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	ALA	123	4.5/5.1	52	53

ANDREW K. LEE 10/06/2022  
 REGISTERED ENGINEER DATE



PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

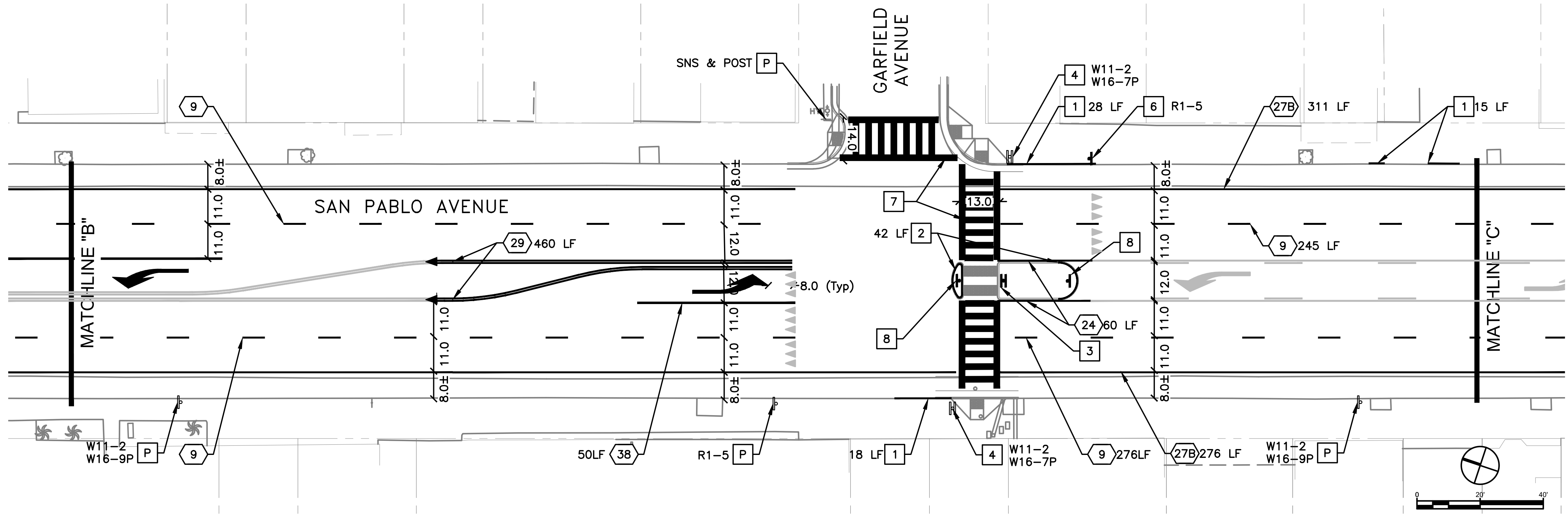


**CONSTRUCTION NOTES (THIS SHEET)**

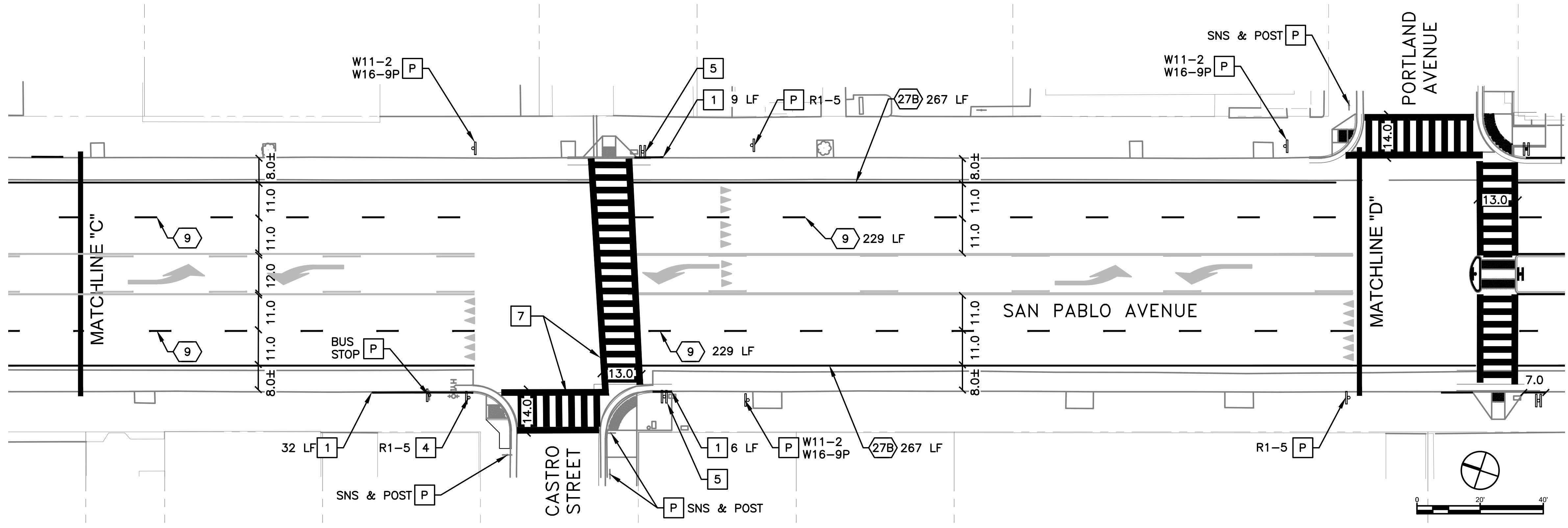
- P** PROTECT IN PLACE Exist EQUIPMENT
- 1** PAINT/REFRESH RED CURB
- 2** PAINT MEDIAN NOSE YELLOW
- 3** INSTALL NEW W11-2 & W16-7P(R,R) ON BOTH SIDES OF NEW SIGN POST
- 4** REMOVE AND STORE Exist SIGNS AND SIGN POST. REINSTALL AFTER NEW CURB RAMP CONSTRUCTION.
- 5** REUSE Exist DOUBLE-SIDED W11-2 & W16-7P AS PART OF NEW RRFB SYSTEM. REMOVE AND REINSTALL ON EXISTING ELECTROLIER TO ACCOMMODATE NEW 2-SIDED LIGHT BAR. SEE SH. E-3
- 6** REPLACE DAMAGED Exist SIGN WITH NEW SIGN ON Exist ELECTROLIER
- 7** STRIPE LADDER CROSSWALK WITH 2' STRIPES
- 8** INSTALL NEW TYPE K-1(CA) OBJECT MARKER

**SIGN LEGEND**

- R1-5 YIELD HERE TO PEDESTRIANS
- W11-2 (WARNING) PEDESTRIANS
- W16-7P (WARNING) DOWN ARROW
- W16-9P (WARNING) AHEAD



SIGNING AND STRIPING PLAN - SAN PABLO AVENUE  
 SCALE: 1" = 20'

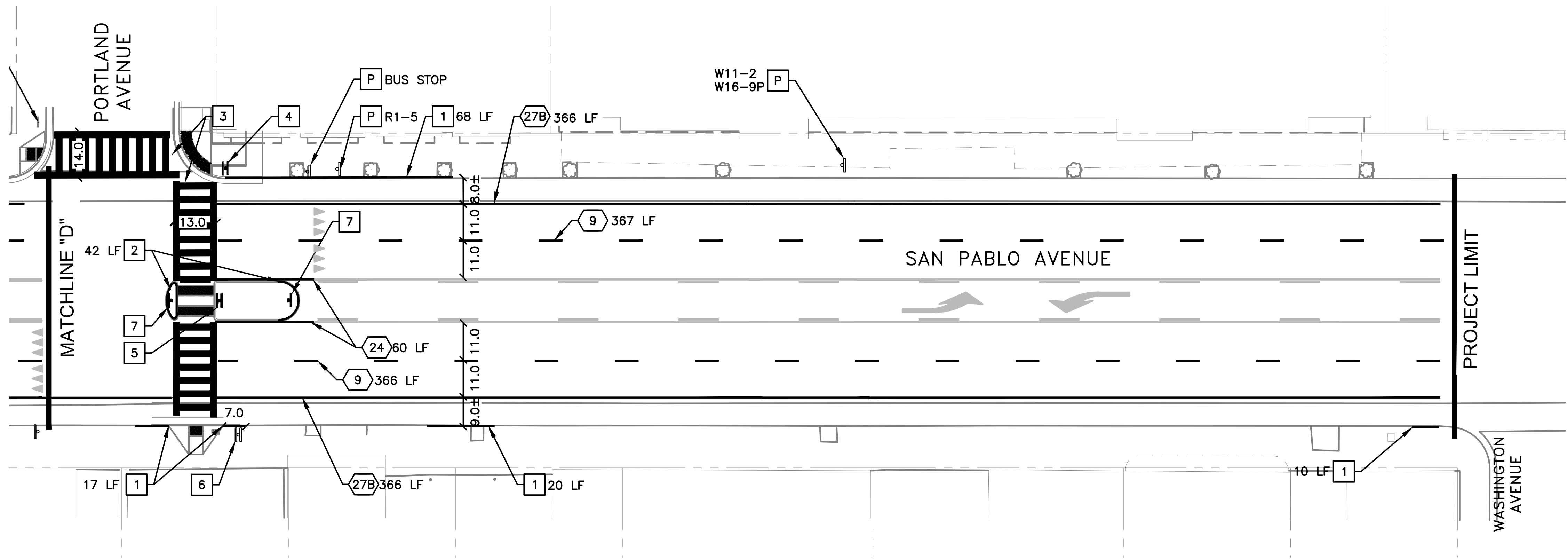
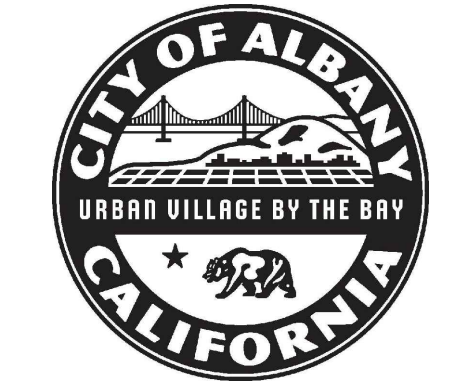
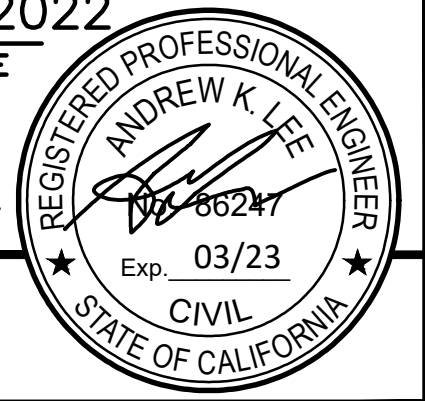


SIGNING AND STRIPING PLAN - SAN PABLO AVENUE  
 SCALE: 1" = 20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT SUPERVISOR: DAVID PARISI, PE, TE  
 CALCULATED/DESIGNED BY: ANDREW LEE, PE, TE  
 CHECKED BY: ANDREW LEE, PE, TE  
 REVISED BY: MACLEAN GROSEL, EIT  
 DATE REVISED:



SIGNING AND PAVEMENT DELINEATION PLAN PD-2  
 SAN PABLO AVENUE



SIGNING AND STRIPING PLAN - SAN PABLO AVENUE  
SCALE: 1" = 20'

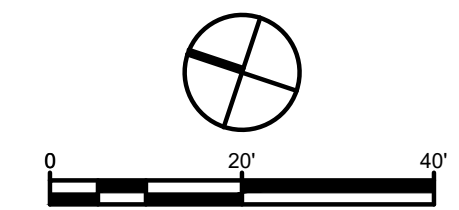
**CONSTRUCTION NOTES (THIS SHEET)**

- P PROTECT IN PLACE Exist EQUIPMENT
- 1 PAINT/REFRESH RED CURB
- 2 PAINT MEDIAN NOSE YELLOW
- 3 STRIPE LADDER CROSSWALK WITH 2' STRIPES
- 4 REUSE Exist W11-2 & W16-7P AS PART OF NEW RRFB SYSTEM. REMOVE AND REINSTALL ON TYPE 1-B POLE WITH NEW 1-SIDED LIGHT BAR. SEE SH. E-4. DISPOSE OF SIGN POST.
- 5 INSTALL NEW W11-2 & W16-7P(R/R, DOUBLE-SIDED) ON NEW 1-B POLE WITH NEW 2-SIDED LIGHT BAR AS PART OF NEW RRFB SYSTEM, SEE SH. E-4
- 6 REUSE Exist W11-2 & W16-7P AS PART OF NEW RRFB SYSTEM. REMOVE AND REINSTALL ON Exist ELECTROLIER TO ACCOMMODATE NEW 1-SIDED LIGHT BAR. SEE SH. E-4. DISPOSE OF SIGN POST.
- 7 INSTALL NEW TYPE K-1(CA) OBJECT MARKER

**SIGN LEGEND**

- R1-5 YIELD HERE TO PEDESTRIANS
- W11-2 (WARNING) PEDESTRIANS
- W16-7P (WARNING) DOWN ARROW
- W16-9P (WARNING) AHEAD

SIGN & POST SCHEDULE								
SHEET	VIEWPORT	POST NEW	POST REINSTALL	SIGN CODE	SIGN NEW	SIGN REINSTALL	SIZE	PART OF RRFB
1	1							
1	2	1		R4-7	1		24X30	
				OM K-1(CA)	2			
2	1	1	2	W11-2	2		36X36	
				W16-7P	2		24X12	
				R1-5	1		36X36	
				OM K-1(CA)	2			
2	2		1	W11-2		4		Y
				W16-7P		4		Y
				R1-5		1		
3	1			W11-2	2	4	36X36	Y
				W16-7P	2	4	24X12	Y
				OM K-1(CA)	2			
TOTAL		2	3		16	17	NEW SIGNS 58 SF TOTAL	



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans  
CONSULTANT FUNCTIONAL SUPERVISOR: DAVID PARISI, PE, TE  
CALCULATED/DESIGNED BY: MACLEAN GROSEL, EIT  
CHECKED BY: ANDREW LEE, PE, TE  
REVISOR: ANDREW LEE, PE, TE  
DATE: 10/06/2022



SIGNING AND PAVEMENT  
DELINEATION PLAN PD-3  
SAN PABLO AVENUE

LAST REVISION: 04-22-19 DATE PLOTTED: TIME PLOTTED: