COUNTY OF SAN MATEO
CALIFORNIA

SANTA CRUZ AVENUE AND ALAMEDA DE LAS PULGAS IMPROVEMENT PROJECT

AVY AVENUE TO SAND HILL ROAD, MENLO PARK

COUNTY ROAD NUMBERS 70-A, 26-A
TOTAL PROJECT APPROXIMATELY 0.66 MILE IN LENGTH
COUNTY PROJECT NO. RW924; PROJECT FILE NO. E5043

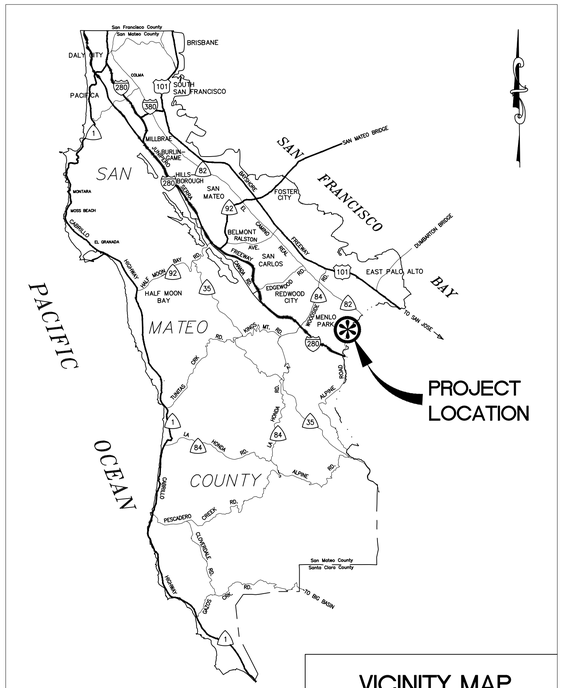
TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED 2018 AND ADOPTED BY SAN MATEO COUNTY, FEBRUARY 11, 2020, BY RESOLUTION NO. 077227

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

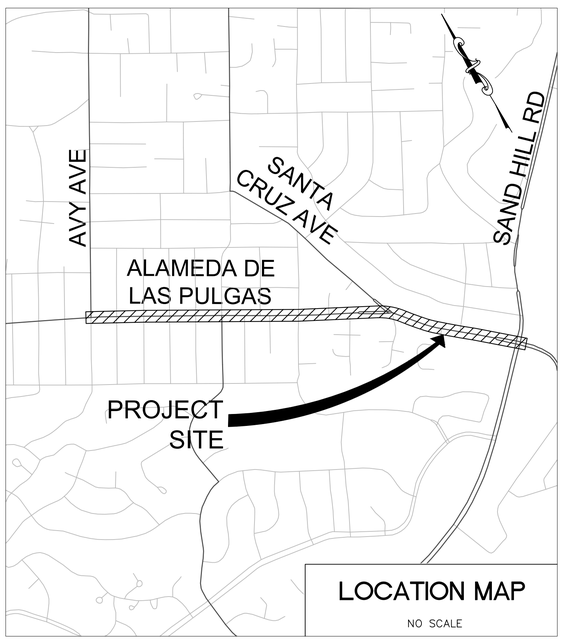
APPROVED:

DATE: _____

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



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

STANDARD ABBREVIATIONS:

BOC	BACK OF CURB
BOL	BOLLARD
BOW	BACK OF WALK
BVC	BEGIN VERTICAL CURVE
CB	CATCH BASIN
CL	CENTERLINE
C&G	CURB AND GUTTER
CTV	CABLE TELEVISION
CWS	CALIFORNIA WATER SERVICES
ELECT	ELECTRICAL
EOP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
FC	FACE OF CURB
GB	GRADE BREAK
GM	GAS METER
HMA	HOT MIX ASPHALT
HP	HIGH POINT
ICV	IRRIGATION CONTROL VALVE
JT	JOINT TRENCH
LF	LINEAR FEET
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
Mod	MODIFIED
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MW	MONITORING WELL
NTS	NOT TO SCALE
O.C.	ON CENTER
PB	PULL BOX
Ped	PEDESTAL
PPB	PEDESTRIAN PUSH BUTTON
PROJ	PROJECTED
R	RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
Ret	RETAINING
S/C	SAWCUT
SDCO	STORM DRAIN CLEAN OUT
SDDI	STORM DRAIN INLET
SDMH	STORM DRAIN MANHOLE
SL	STREETLIGHT
SS	SIGNING AND STRIPING
SSWR	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SW	SIDEWALK
TB	TOP OF BERM
TC	TOP OF CURB
TELE	TELEPHONE
TMH	TELEPHONE MANHOLE
TS	TRAFFIC SIGNAL
TYP.	TYPICAL
VG	VALLEY GUTTER
WM	WATER METER
WV	WATER VALVE

LEGEND

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

APPLICABLE STANDARDS:

2018 CALTRANS REVISED STANDARD PLANS: A20A, A20B, A24A, A24B, A24C, A24D, A24E, A24F, A88A
COUNTY OF SAN MATEO STANDARD PLANS: D-1, D-3, D-4A, D-5, B-1, B-3, B-10

SHEET INDEX:

1	CV-01	COVER SHEET
2	GN-01	GENERAL NOTES SHEET
3	HC-01	HORIZONTAL CONTROL SHEET
4	TX-01	TYPICAL SECTIONS
5-12	PV-01 TO PV-08	PLAN & PROFILE
13-40	CD-01 TO CD-28	CONSTRUCTION DETAILS
41-49	CR-01 TO CR-09	CURB RETURN PROFILES
50-51	DR-01 TO DR-02	DRAINAGE PROFILES AND DETAILS
52-53	PR-01 TO PR-02	PAVEMENT REHABILITATION PLAN
54-55	SS-01 TO SS-02	SIGNING & STRIPING PLAN
56	SS-03	SIGNING & STRIPING DETAILS
57-67	TS-01 TO TS-11	TRAFFIC SIGNAL PLAN

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE

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

COVER SHEET

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

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

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

CV-01
SHEET 1 OF 67

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

KIMLEY-HORN GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, COUNTY STANDARD DETAILS AND SPECIFICATIONS, 2018 CALTRANS STANDARD SPECIFICATIONS AS AMENDED, AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE COUNTY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS WITHIN A SET OF DOCUMENTS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.

2. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS.

3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.

4. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND IF APPLICABLE THE COUNTY. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE COUNTY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A MINIMUM of 10 DAYS NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. SEE SPECIAL PROVISIONS FOR ADDITIONAL UTILITY COORDINATION INSTRUCTIONS.

6. CONTRACTOR SHALL CALL 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION.

7. CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC UTILITIES.

8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE.

9. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.

10. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, PROJECT AND COUNTY SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND INSPECTION REPORTS.

11. ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE.

12. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.

13. CONTRACTOR SHALL ARRANGE FOR REQUIRED COUNTY INSPECTIONS.

14. CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.

15. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE COUNTY INSPECTOR AND COMPLY WITH COUNTY STANDARD SPECIFICATIONS AND 2018 CALTRANS STANDARD SPECIFICATIONS. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING.

16. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE COUNTY AND ENGINEER DIRECTLY FROM THE TESTING AGENCY.

17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND COUNTY SPECIFICATIONS.

18. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.

19. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.

20. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, MAILBOXES, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC., TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.

21. SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

22. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS.

23. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS.

24. CONTRACTOR STAGING AREA SHALL BE AGREED ON BY THE COUNTY AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION STORAGE AND STAGING OPERATIONS AND LOCATIONS.

25. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST VERSION OF THE CALIFORNIA MUTCD.

26. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING OR PLACING OF CONCRETE.

27. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING OR PLACING OF CONCRETE. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES OWNERS TO HAVE NON-COUNTY OWNED UTILITIES ADJUSTED TO GRADE.

28. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE COUNTY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS.

29. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE COUNTY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION, AND THEN THE IMPLEMENTATION OF THE PLAN.

30. CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM THE PLANS.

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND COUNTY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION. THESE CORRECTIONS CAN BE DONE BY HAND AND SCANNED TO PDF OR BY CAD PLOTTED TO PDF.

GENERAL NOTES

1. TRAFFIC CONTROL MUST BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF THE CA MUTCD. CONTRACTOR MUST HAVE AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO BEGINNING WORK. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN A MINIMUM OF 10 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. DO NOT START WORK WITHOUT TRAFFIC CONTROL PLAN APPROVED BY THE COUNTY. UPDATE AND RESUBMIT AS NEEDED UNTIL THE PLAN IS APPROVED.

2. COMPLY WITH THE REQUIREMENTS FOR WATER POLLUTION CONTROL OUTLINED IN SECTION 13 OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.

3. DO NOT APPLY THERMOPLASTIC STRIPING USING HAND CART METHODS. THERMOPLASTIC TRAFFIC STRIPES WILL BE MEASURED BY THE LINEAR FOOT REGARDLESS OF GAPS OR THE NUMBER OF INDIVIDUAL STRIPES COMPRISING THE DETAIL (E.G. DETAIL 29 PLACED BETWEEN STATION 1+00 AND STATION 2+00 WILL BE MEASURED AS 100 LINEAR FEET EVEN THOUGH IT CONSISTS OF 400 LINEAR FEET OF STRIPE).

4. PROPOSED FEE IS CONSIDERED TO BE FULL COMPENSATION FOR PERFORMING ALL WORK AS SHOWN ON THE PLANS AND AS REQUIRED BY THE SPECIFICATIONS. NO ADDITIONAL PAYMENTS WILL BE MADE.

5. ALL CONSTRUCTION MUST BE TO THE COUNTY OF SAN MATEO STANDARDS AND ACCEPTED BY THE PUBLIC WORKS INSPECTOR. STANDARD PLANS ARE AVAILABLE AT THE OFFICE OF THE PUBLIC WORKS INSPECTOR AND ON THE COUNTY'S WEBSITE.

6. CONTRACTOR SHALL MEET WITH COUNTY OF SAN MATEO AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION, 24 HOURS NOTICE REQUIRED ON ALL INSPECTIONS.

7. CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR SITE INSPECTIONS AND INSURE THAT ALL CURRENT STANDARDS FOR THE COUNTY OF SAN MATEO ARE FOLLOWED PRIOR TO THE BEGINNING ANY PHASE OF CONSTRUCTION WORK.

8. CONSTRUCTION AND INSPECTION REQUESTS SHALL BE LIMITED TO NORMAL CITY BUSINESS HOURS BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M., MONDAY THRU FRIDAY.

9. TIE OUT ALL MANHOLES, WATER VALVE COVERS, CLEAN OUTS, PULL BOXES, 5G BOXES, AND MONUMENTS, THEN PROVIDE DATA TO THE COUNTY REPRESENTATIVE 14 DAYS PRIOR TO ANY SURFACE TREATMENT.

10. CONTRACTOR SHALL PROTECT MONUMENTS IN PLACE AND SHALL NOTIFY THE COUNTY INSPECTOR IF ANY ARE IDENTIFIED WITHIN THE LIMITS OF THE WORK. CONTRACTOR SHALL PERFORM SURVEY MONUMENT PRESERVATION IN ACCORDANCE WITH CALIFORNIA BUSINESS AND PROFESSIONS CODE SECTION 8771 ET SEQ.

11. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF LIMITS OF PROPOSED STRIPING AS SHOWN ON SS-SHEETS.

12. UNLESS OTHERWISE NOTED, ALL UTILITIES ARE TO REMAIN.

13. APPLY TACK COAT TO ALL SURFACES TO RECEIVE HMA. SAND SEAL THE FINAL LIFT OF HMA. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

14. THE CONTRACTOR IS RESPONSIBLE FOR ALL ADJUSTMENTS TO STORM DRAIN MANHOLES AS PART OF THE PROJECT.

15. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS. CONTRACTOR SHALL PROTECT EXISTING TREE ROOTS; SEE SPECIAL PROVISIONS FOR TREE PROTECTION NOTES. CONTRACTOR TO COORDINATE ANY NECESSARY TREE TRIMMING OR ROOT REMOVAL WITH THE COUNTY ARBORIST AND ENGINEER FOR THOSE TREES OR ROOTS DETERMINED TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.

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

APPROVED:

DATE: _____

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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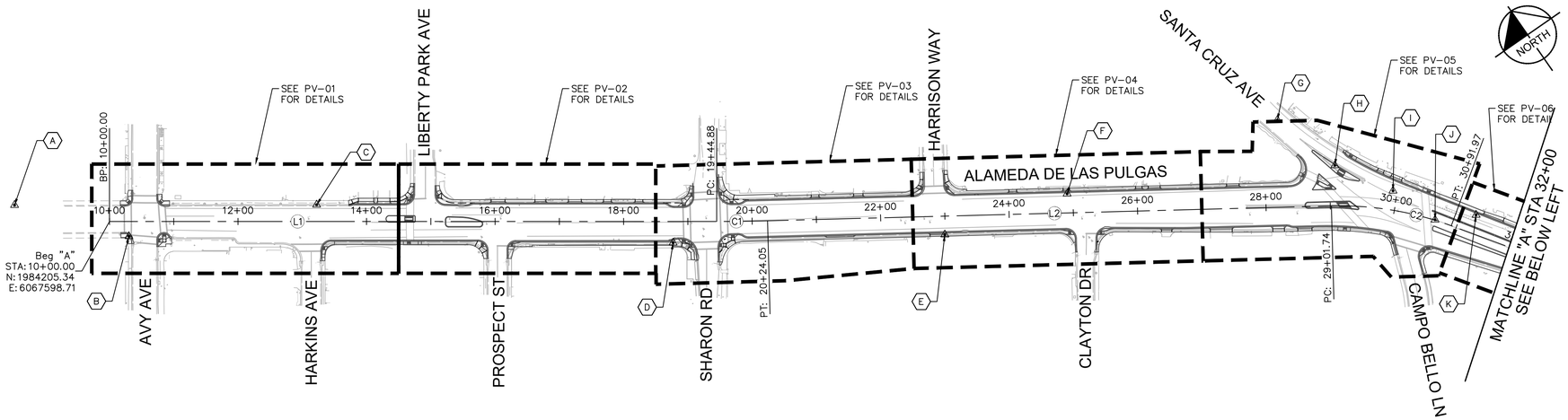
COUNTY OF SAN MATEO
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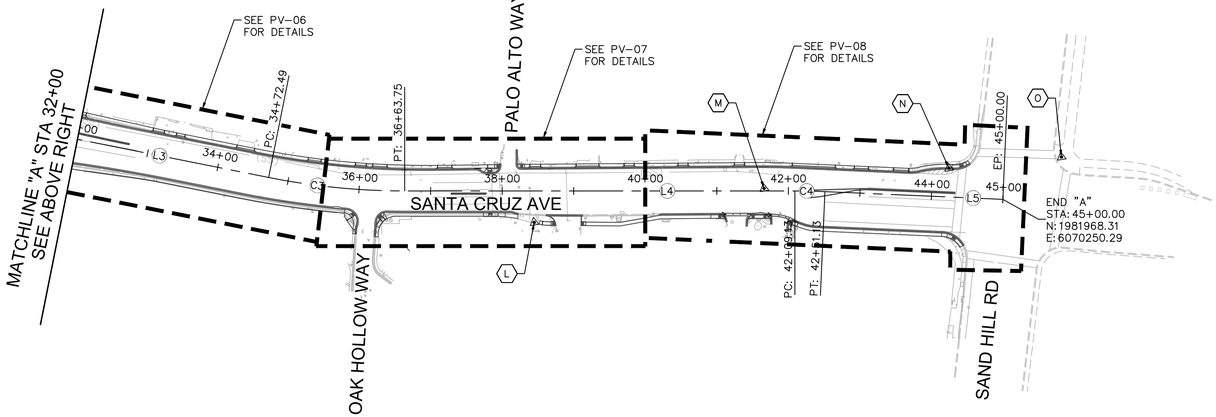
REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	GENERAL NOTES SHEET
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

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

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043
	GN-01
	SHEET 2 OF 67

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





APPROVED:

DATE: _____

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

SURVEYOR NOTES

1. CONTROL IS CALIFORNIA STATE PLANE COORDINATES NAD83 BASED ON STATIONS P176, JRSC, P178, AND ZOA1 EPOCH 2017.50.
2. THE LATS AND LONGS WERE HELD FIXED IN A LEAST SQUARES ADJUSTMENT. TOPOGRAPHIC DATA IS EXPRESSED IN U.S. SURVEY FEET AND IS GRID. THE AVERAGE COMBINATION FACTOR FOR THE SITE IS 0.99993492 AND THE AVERAGE MAPPING ANGLE IS -1-02-40.72
3. ELEVATIONS ARE REFERENCED TO NAVD88, DEFINED LOCALLY BY STATIONS P176, JRSC, P178, AND ZOA1, THE ORTHOMETRIC HEIGHTS OF WHICH WERE HELD FIXED IN A LEAST SQUARE ADJUSTMENT
4. USING GEIOD 18. ELEVATIONS ARE EXPRESSED IN U.S. SURVEY FEET.
5. AUTOCAD FILES WILL NOT BE PROVIDED.

POINT TABLE

POINT #	NORTHING	EASTING	STATION	OFFSET	ALIGNMENT	DESCRIPTION	ELEVATION
A	1984310.42	6067491.75	–	–	–	SET N&T "GSI CP"	127.97
B	1984169.11	6067610.39	10+30.24	23.13' RT	"A" LINE	SET N&T "GSI CP"	132.35
C	1984043.14	6067878.43	13+22.30	25.94' LT	"A" LINE	FND SCB X	148.39
D	1983678.68	6068300.85	18+77.09	33.13' RT	"A" LINE	SET N&T "GSI CP"	161.98
E	1983448.36	6068655.60	22+99.21	28.79' RT	"A" LINE	FND SCB X	147.84
F	1983392.26	6068848.21	24+91.09	29.73' LT	"A" LINE	SET N&T "GSI CP"	148.68
G	1983300.41	6069182.66	28+21.24	135.99' LT	"A" LINE	FND 2 INCH SMCO BD W/ PUNCH DOWN 10	148.76
H	1983191.34	6069215.86	29+07.97	62.94' LT	"A" LINE	FND PK	150.62
I	1983107.34	6069267.73	29+93.22	29.86' LT	"A" LINE	FND 2 INCH SMCO BD DOWN 15	148.09
J	1983032.94	6069295.82	30+65.08	0.61' LT	"A" LINE	FND 2 INCH SMCO BD DOWN 14	148.03
K	1983002.82	6069352.56	31+22.28	29.09' LT	"A" LINE	SET MAG & WASHER "GSI CP"	148.08
L	1982397.54	6069754.57	38+44.82	43.94' RT	"A" LINE	SET N&T "GSI CP"	150.09
M	1982209.93	6070019.59	41+66.03	3.52' LT	"A" LINE	FND 2 INCH BD SAN MATEO COUNTY DPW DOWN 10	151.35
N	1982051.98	6070225.89	44+22.72	40.30' LT	"A" LINE	SET N&T "GSI CP"	153.87
O	1981954.63	6070350.34	–	–	"A" LINE	SET N&T "GSI CP"	153.10
P	1981375.81	6070847.04	–	–	"A" LINE	FND BM	141.07

LINE TABLE

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

CURVE TABLE

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

GRAPHIC SCALE IN FEET
0 50 100 200

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JONATHON J. CORREA

KIMLEY-HORN

P.L.S. # 8950 / EXPIRES 09-30-2022

JONATHON J. CORREA
No. 8950

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	HORIZONTAL CONTROL SHEET
		CHECKED BY: JP	
		DRAWN BY: SD/KS	

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

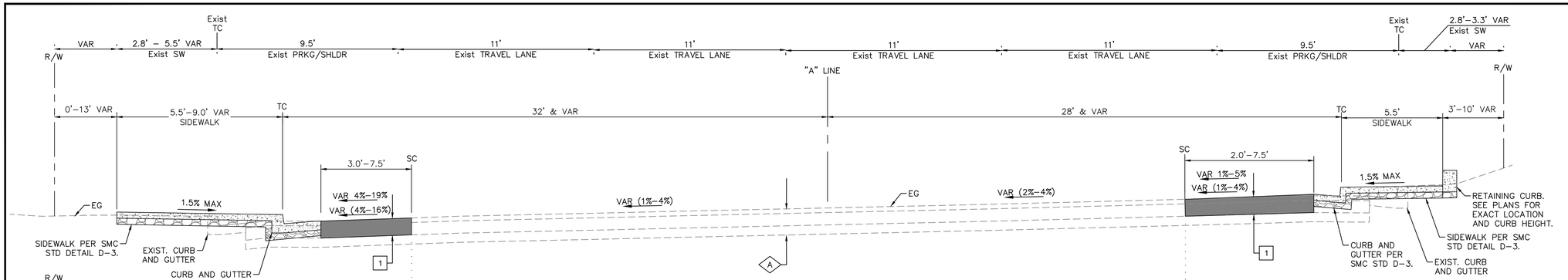
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HC-01
SHEET 3 OF 67

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



ALAMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

NTS

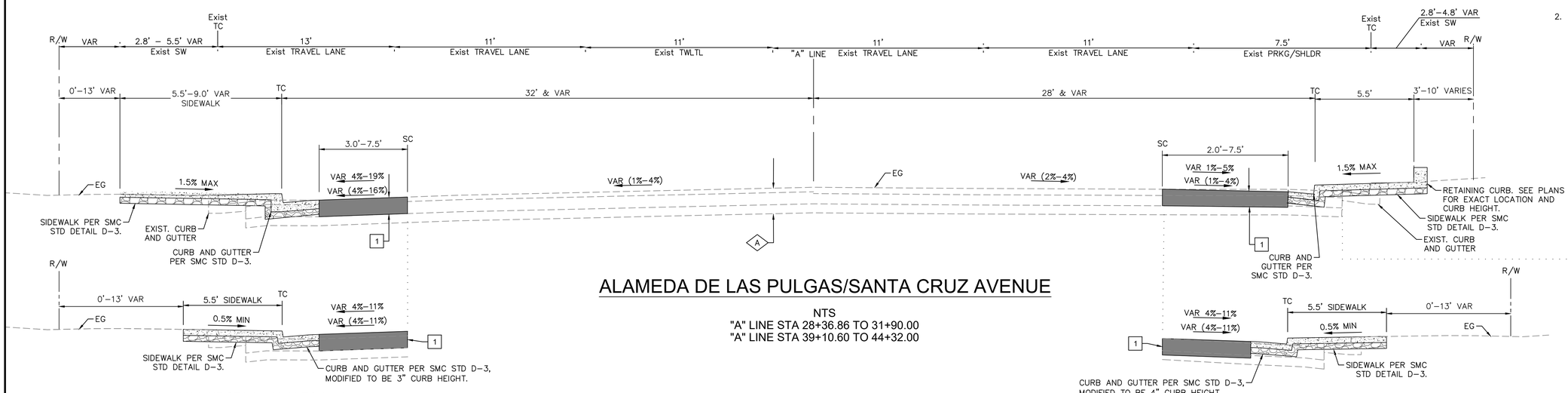
"A" LINE STA 13+50.20 TO 28+36.86
"A" LINE STA 31+90.00 TO 39+10.60

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

"A" LINE STA 30+06.27 TO 31+90.00

"A" LINE STA 26+55.72 TO 28+06.66

"A" LINE STA 25+66.15 TO 26+33.73



ALAMEDA DE LAS PULGAS/SANTA CRUZ AVENUE

NTS

"A" LINE STA 28+36.86 TO 31+90.00
"A" LINE STA 39+10.60 TO 44+32.00

"A" LINE STA 31+90.00 TO 37+61.77

"A" LINE STA 28+36.86 TO 29+82.05

"A" LINE STA 39+23.54 TO 40+18.81

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

APPROVED:

DATE:

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

PAVEMENT STRUCTURAL SECTIONS:

1 — 1" HMA (TYPE A)

EXISTING PAVEMENT STRUCTURAL SECTIONS:

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

LEGEND:

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

NOTES:

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE

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

TYPICAL SECTIONS

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

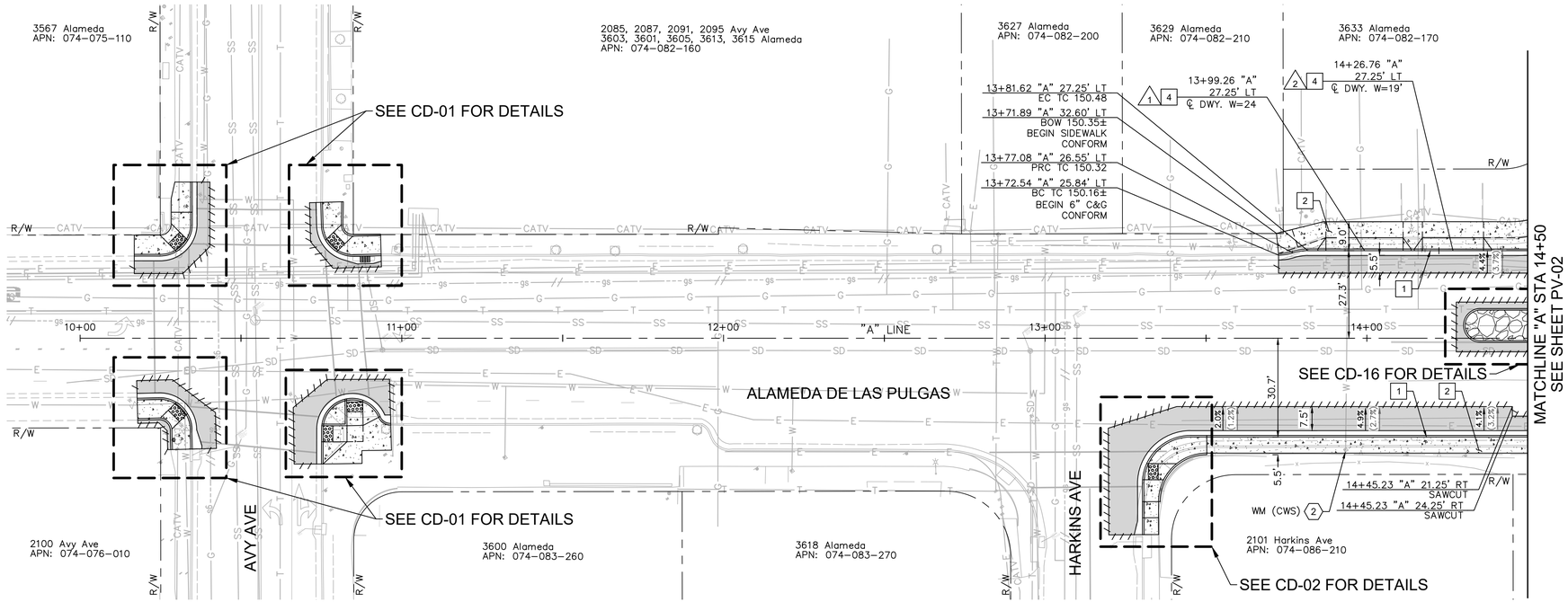
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

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

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

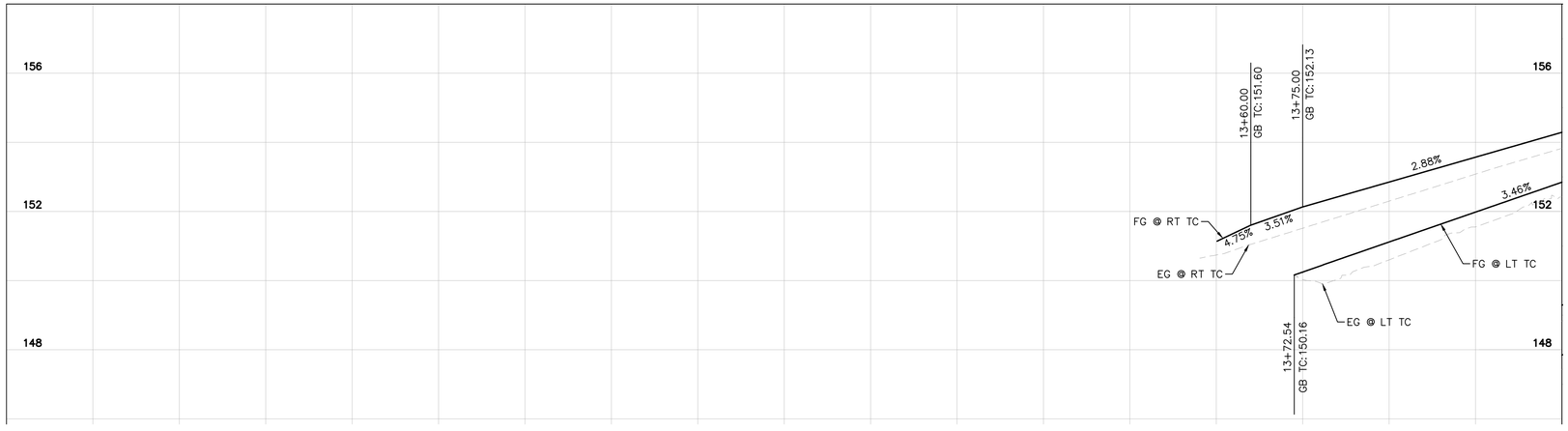
TX-01
SHEET 4 OF 67

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



PLAN

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



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

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS, UNLESS NOTED TO BE DONE BY OTHERS.
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7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
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CONSTRUCTION NOTES

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

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

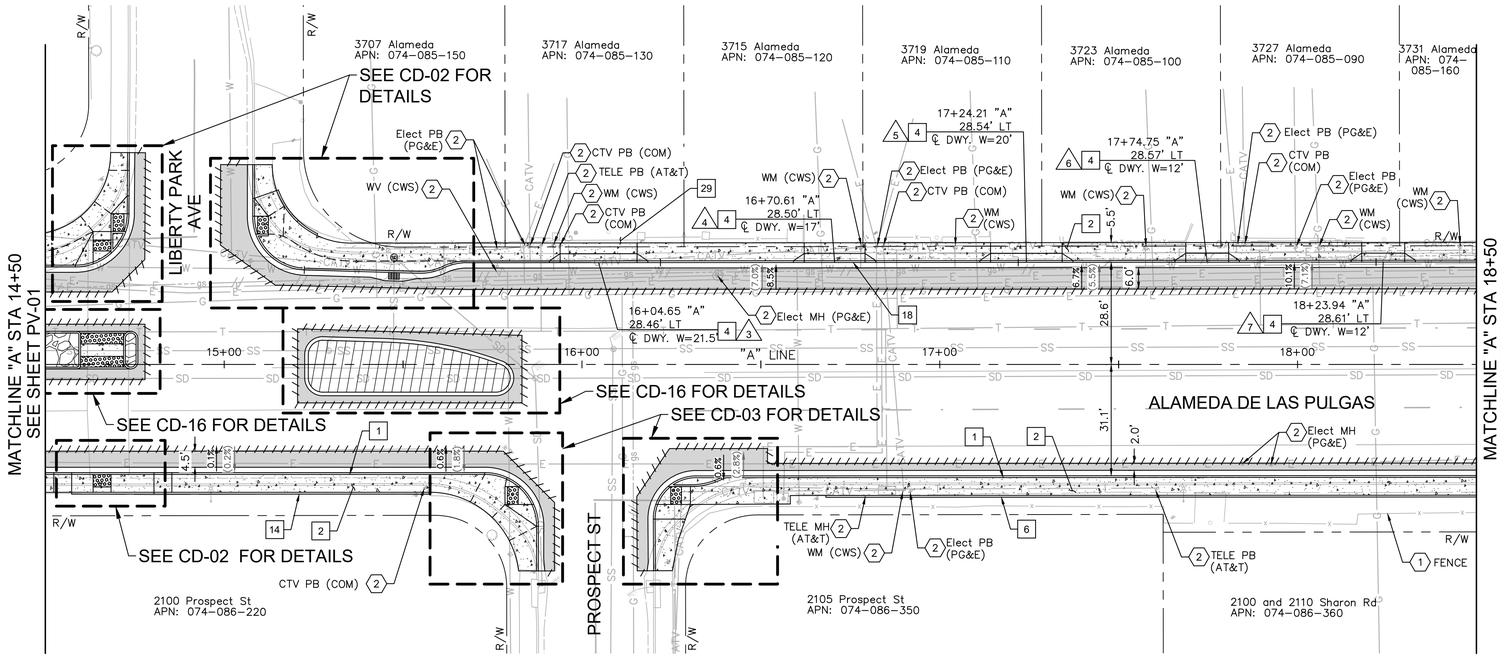
COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP /HW	STA 10+00 TO STA 14+50 PLAN AND PROFILE	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

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

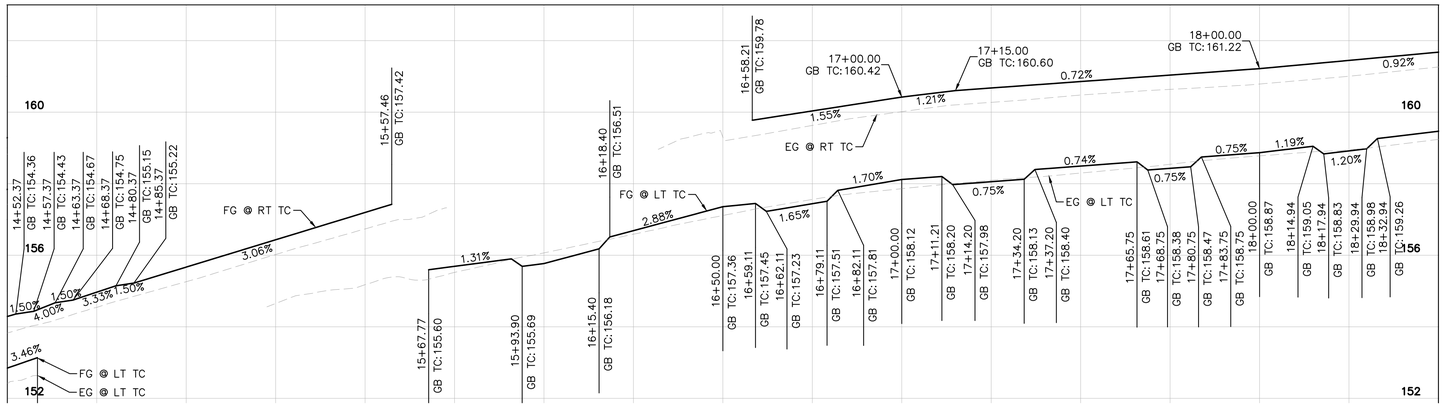
PV-01
SHEET 5 OF 67

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



PLAN

STATION	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50
LT TC ELEV/OFFSET	152.85/27.25'LT			155.77/28.46'LT	157.36/28.49'LT	158.12/28.52'LT	158.49/28.56'LT	158.87/28.59'LT	159.47/28.62'LT
RT TC ELEV/OFFSET	154.29/30.25'RT	155.67/30.25'RT	157.20/30.25'RT			160.42/31.14'RT	160.86/31.11'RT	161.22/31.08'RT	161.68/31.06'RT



PROFILE

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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CONSTRUCTION NOTES

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

DEMOLITION & UTILITY NOTES

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

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

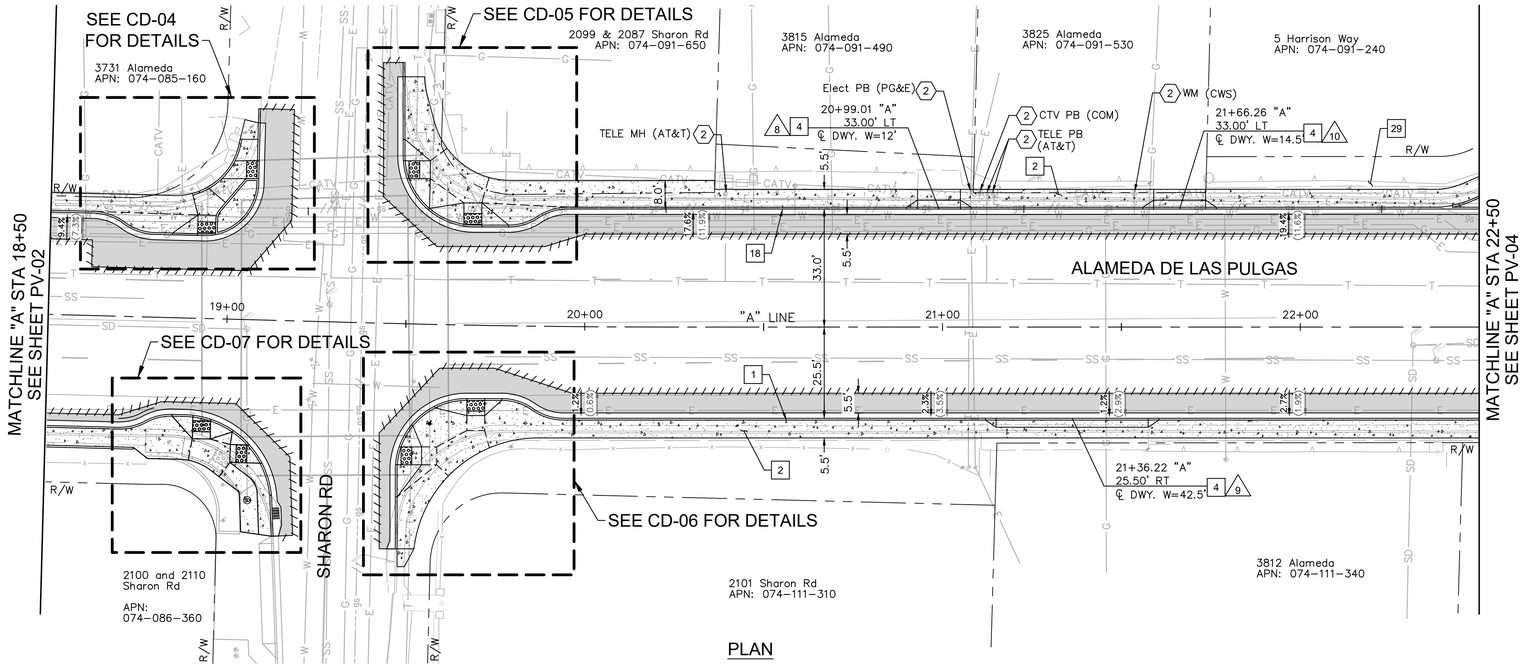
COUNTY OF SAN MATEO PUBLIC WORKS

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

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

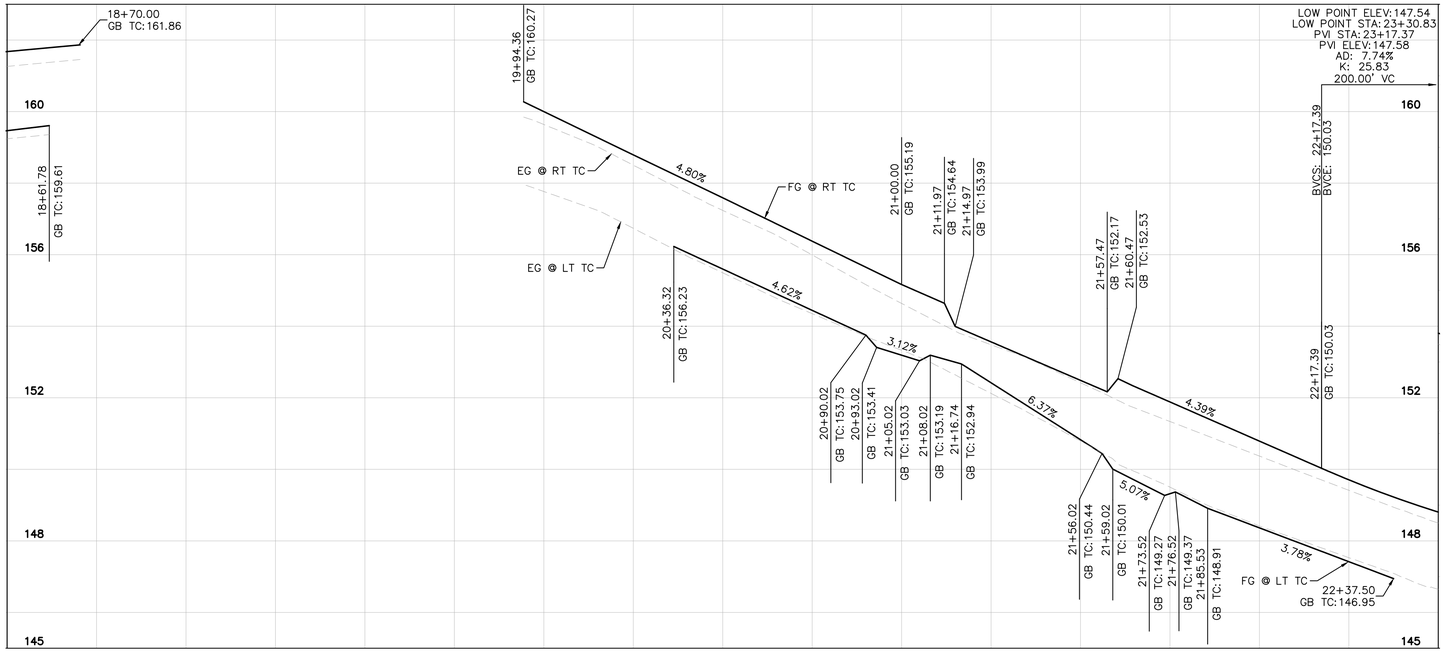
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DATE: 7/22/2022
FILE NO.: E5043
PV-02
SHEET 6 OF 67

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



PLAN

STATION	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50
LT TC ELEV/OFFSET	159.47/28.62'LT				155.60/33.00'LT	153.19/33.00'LT	150.83/33.00'LT	148.36/33.00'LT	
RT TC ELEV/OFFSET	161.68/31.06'RT			160.00/25.60'RT	157.59/25.50'RT	155.17/25.50'RT	152.49/25.50'RT	150.79/25.50'RT	148.81/25.50'RT



PROFILE

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
18. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

APPROVED DATE:

SIGNATURE

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

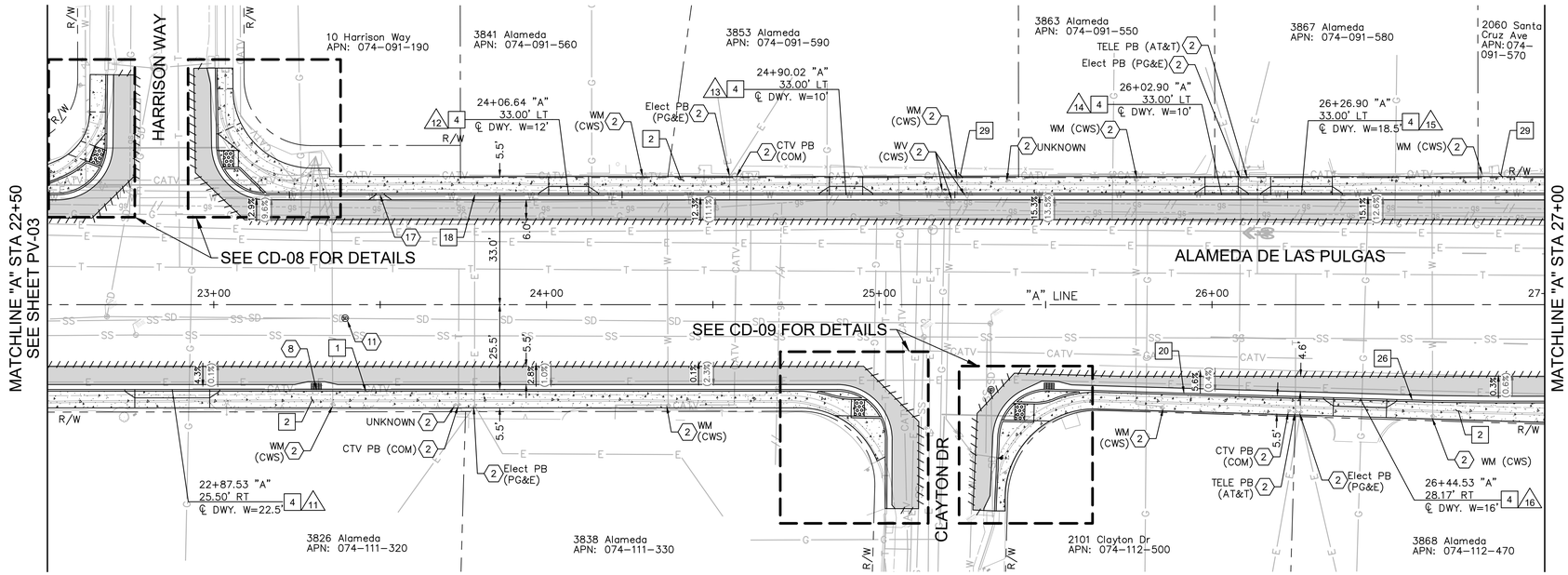
STA 18+50 TO STA 22+50
PLAN AND PROFILE

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

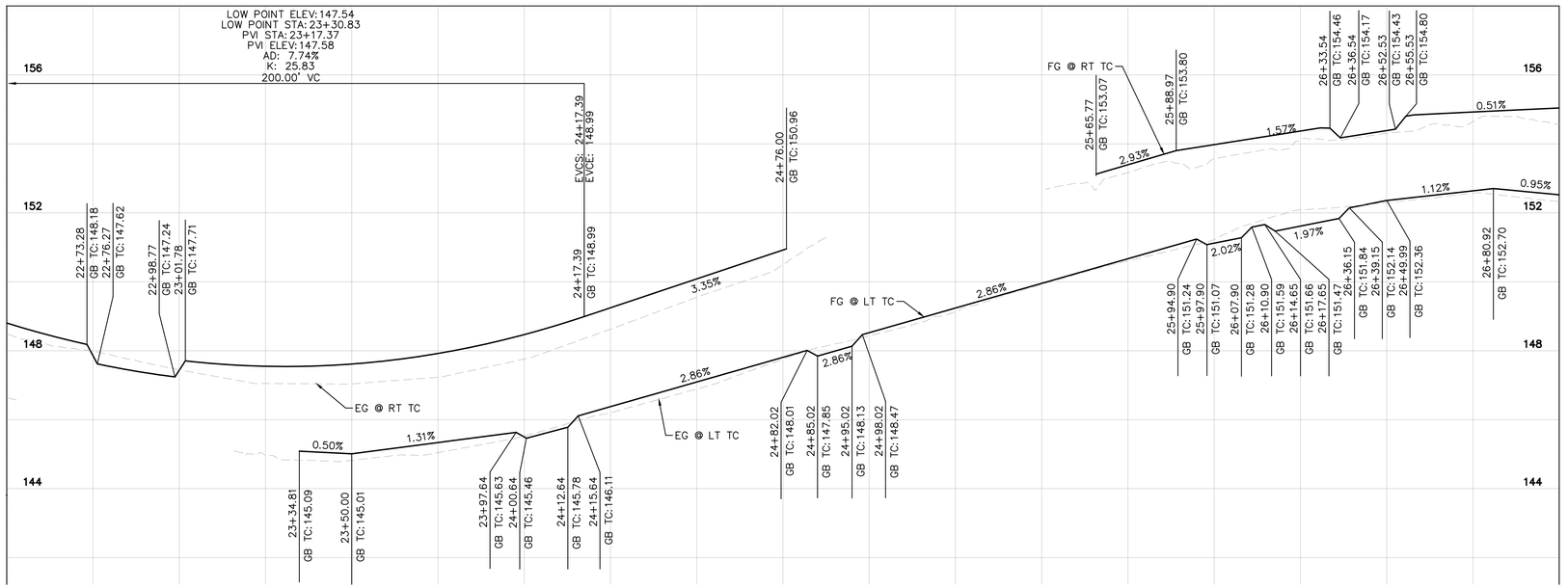
PV-03
SHEET 7 OF 67

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



PLAN

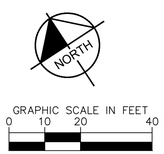
STATION	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00
LT TC ELEV/OFFSET			145.01 /33.00'LT	145.50 /33.00'LT	147.09 /33.00'LT	148.52 /33.00'LT	149.95 /33.00'LT	151.12 /33.00'LT	152.36 /33.00'LT	152.52 /33.00'LT
RT TC ELEV/OFFSET	148.81 /25.50'RT	147.43 /25.50'RT	147.62 /25.50'RT	148.47/25.50'RT	150.08/25.50'RT			153.98/26.85'RT	154.39 /28.34'RT	155.04 /29.00'RT



PROFILE

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022



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

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% — PROPOSED GRADE
- (XX%) — EXISTING GRADE
- XX — SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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CONSTRUCTION NOTES

- [1] 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [2] SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [4] DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- [18] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.
- [20] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
- [26] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4" AND SPILL GUTTER PAN CROSS SLOPE TO BE 2% TOWARDS ROADWAY.
- [29] BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

- (2) ADJUST TO GRADE.
- (8) TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.
- (11) STANDARD STORM DRAIN MANHOLE (SHALLOW COVER)PER COUNTY OF SAN MATEO STD DRAWING B-11. SEE DR-SHEETS.
- (17) POTENTIAL DRAINAGE SOLUTIONS TO BE DISCUSSED WITH COUNTY.

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	SCALE: AS SHOWN
		CHECKED BY: JP	DATE: 7/22/2022
		DRAWN BY: SD/KS	FILE NO.: E5043

STA 22+50 TO STA 27+00
PLAN AND PROFILE

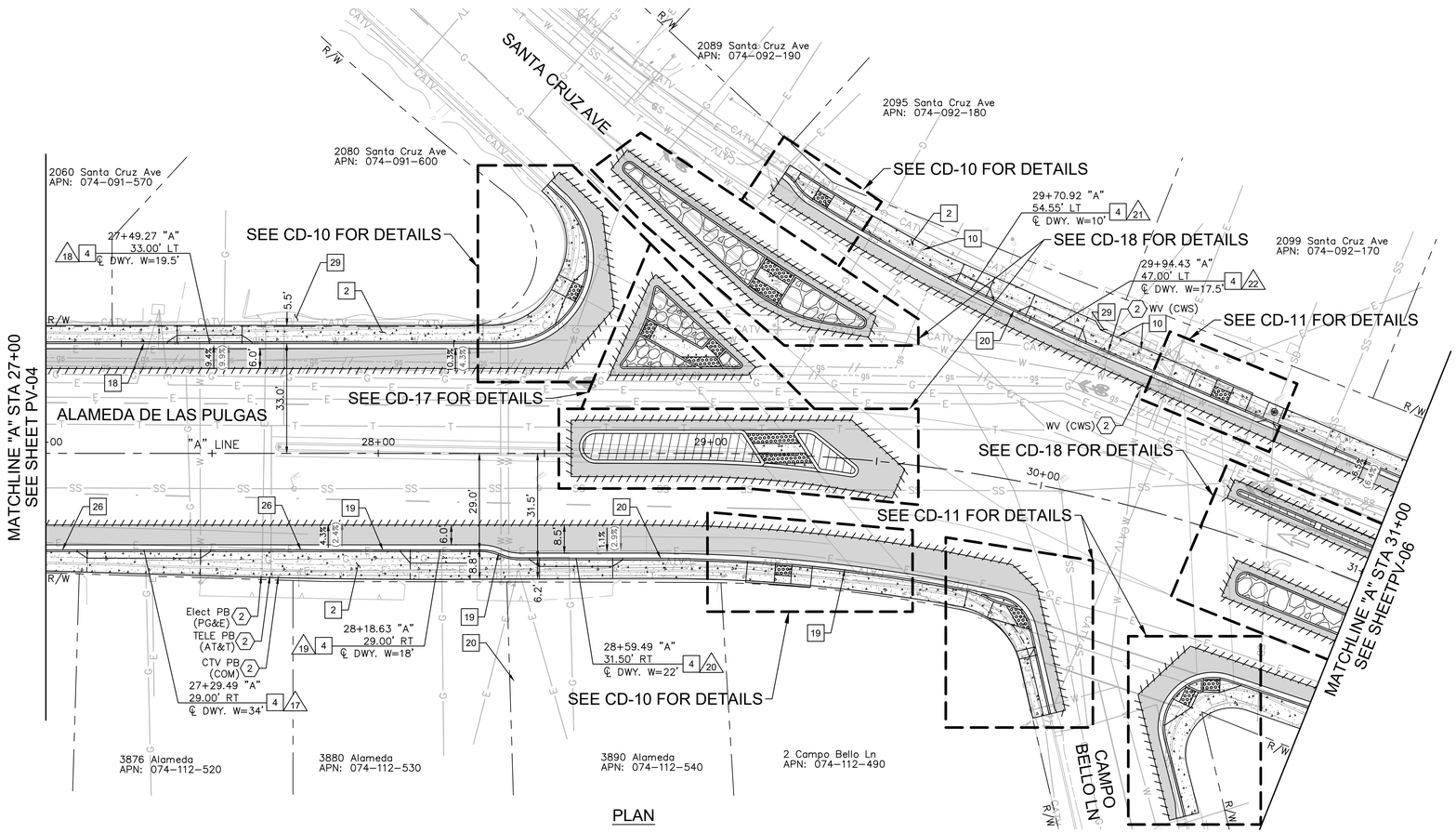
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

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

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

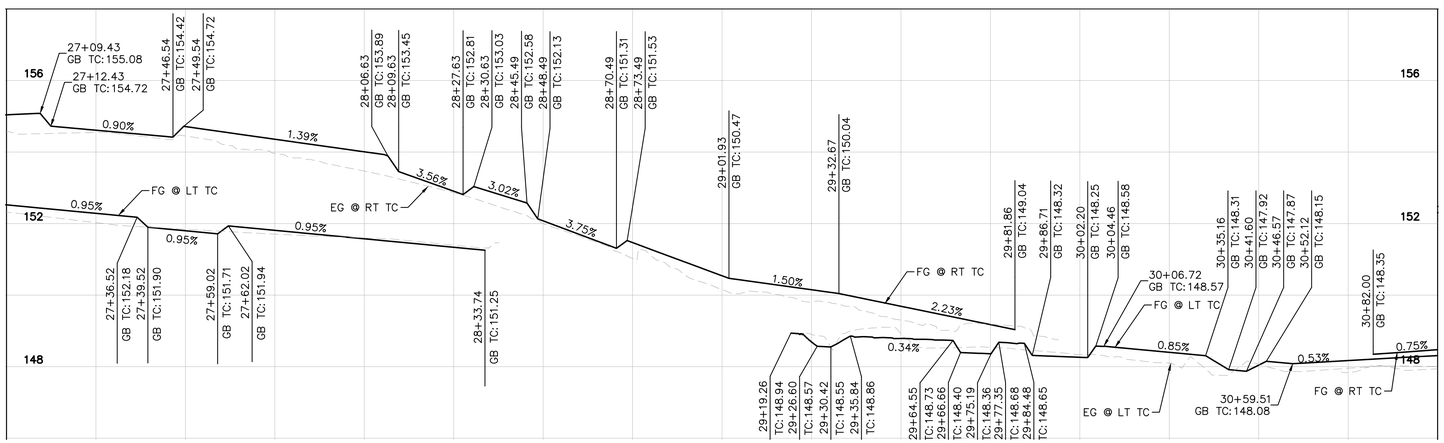
PV-04
SHEET 8 OF 67

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



PLAN

STATION	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00
LT TC ELEV/OFFSET	152.52 /33.00'LT	151.80 /33.00'LT	151.57/33.00'LT			148.79 /63.61'LT	148.26/45.52'LT	148.04/36.90'LT	148.31 /33.79'LT
RT TC ELEV/OFFSET	155.04 /29.00'RT	154.71/29.00'RT	154.01 /29.00'RT	152.08/31.50'RT	150.54 /31.88'RT	149.69 /33.71'RT			148.48/40.26'RT



PROFILE

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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

CONSTRUCTION NOTES

- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 4 DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- 10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- 18 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3" AND GUTTER PAN CROSS SLOPE TO BE 12%.
- 19 SIDEWALK UNDERDRAIN PER COUNTY OF SAN MATEO DRAWING D-6.
- 20 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
- 26 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4" AND SPILL GUTTER PAN CROSS SLOPE TO BE 2% TOWARDS ROADWAY.
- 29 BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

- 2 ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

STA 27+00 TO STA 31+00
PLAN AND PROFILE

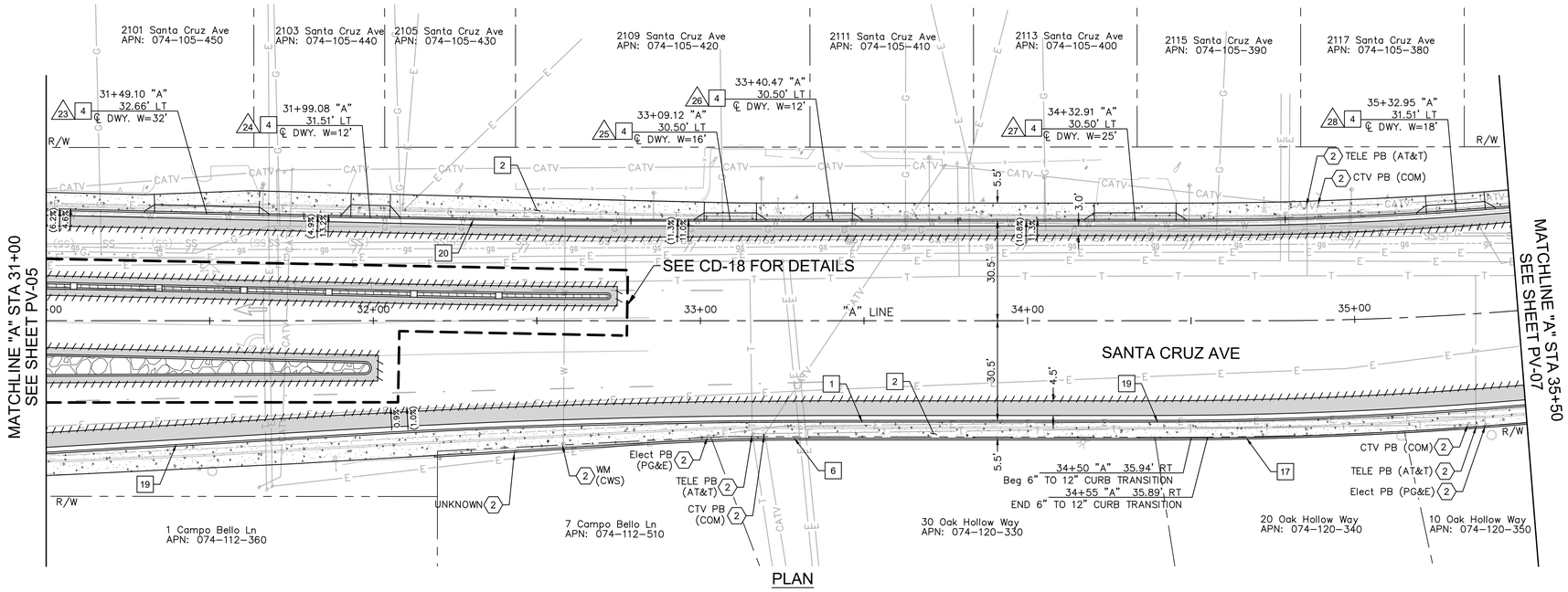
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

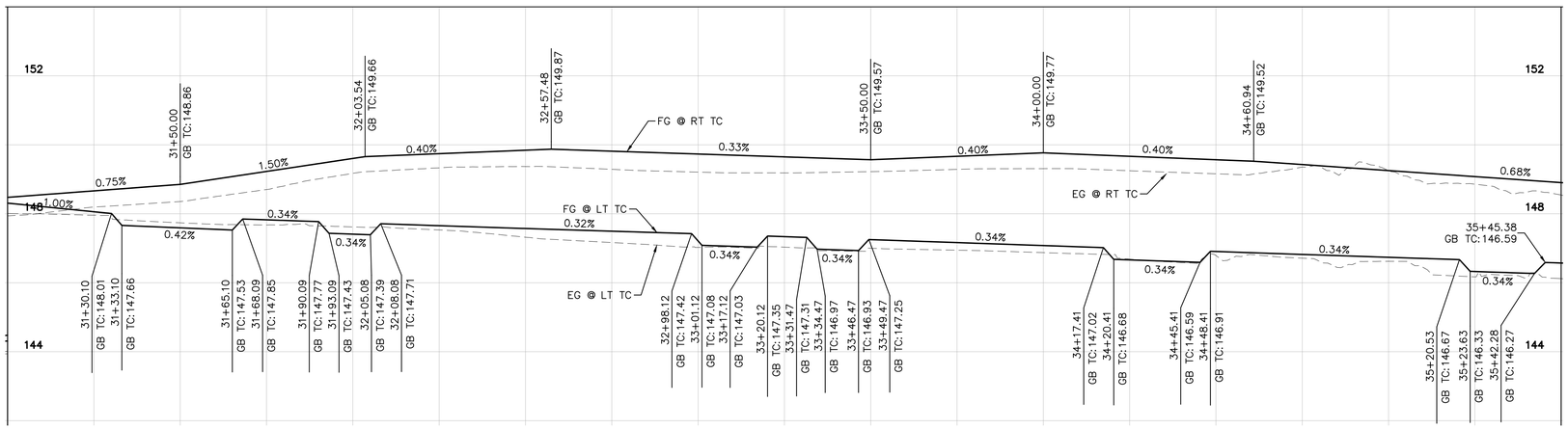
PV-05
SHEET 9 OF 67

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



PLAN

STATION	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50
LT TC ELEV/OFFSET	148.31 /33.79'LT	147.59 /32.64'LT	147.41 /31.49'LT	147.57 /30.59'LT	147.21 /30.50'LT	147.25/30.50'LT	147.08 /30.50'LT	146.91/30.50'LT	146.74 /31.19'LT	146.57/31.58'LT
RT TC ELEV/OFFSET	148.48/40.26'RT	148.85/37.29'RT	149.60/34.34'RT	149.84/32.06'RT	149.73/30.80'RT	149.57/30.50'RT	149.77/30.50'RT	149.57/30.44'RT	149.25/29.44'RT	148.90/28.88'RT



PROFILE

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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

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

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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

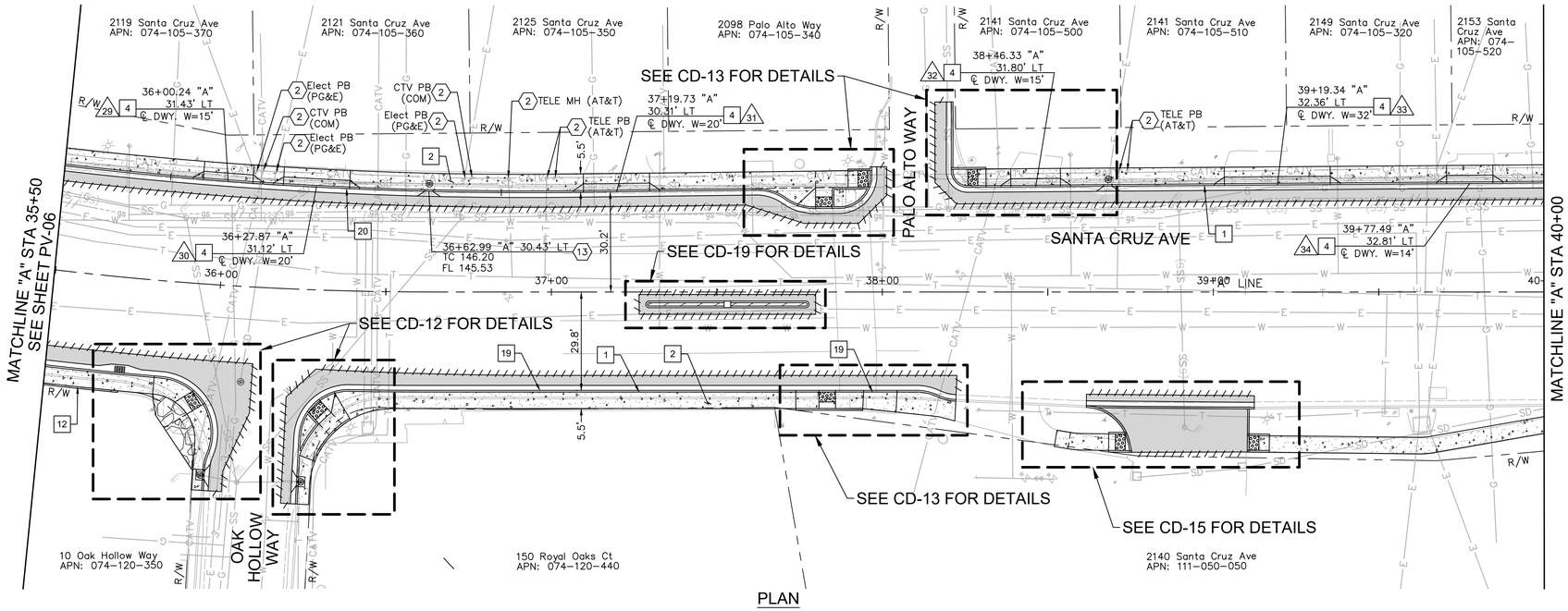
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	STA 31+00 TO STA 35+50 PLAN AND PROFILE
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

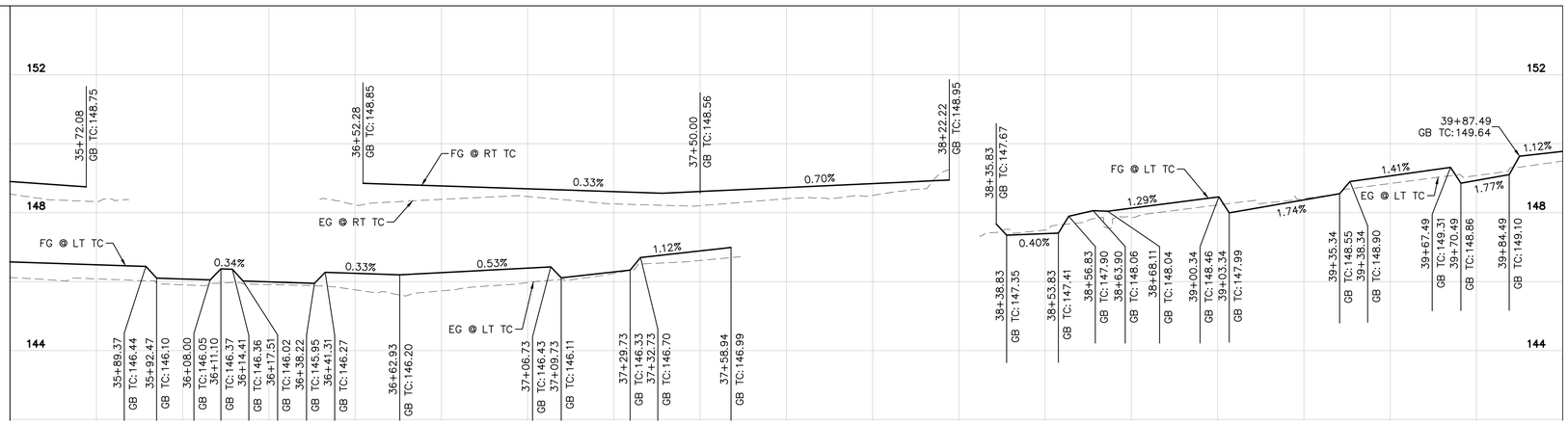
PV-06
SHEET 10 OF 67

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



PLAN

STATION	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00
LT TC ELEV/OFFSET	146.57/31.58'LT	146.08/31.41'LT	146.24/30.70'LT	146.39/30.09'LT	146.89/30.67'LT		147.39/31.83'LT	148.45/32.21'LT	149.07/32.60'LT	149.78/32.98'LT
RT TC ELEV/OFFSET	148.90/28.88'RT			148.69/30.25'RT	148.61/30.25'RT	148.84/30.95'RT				



PROFILE

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

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% — PROPOSED GRADE
- (XX%) — EXISTING GRADE
- XX — SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
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CONSTRUCTION NOTES

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

DEMOLITION & UTILITY NOTES

- (2) ADJUST TO GRADE.
- (13) OFFSET BACKSIDE INLET PER DETAIL SHEET CD-28.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

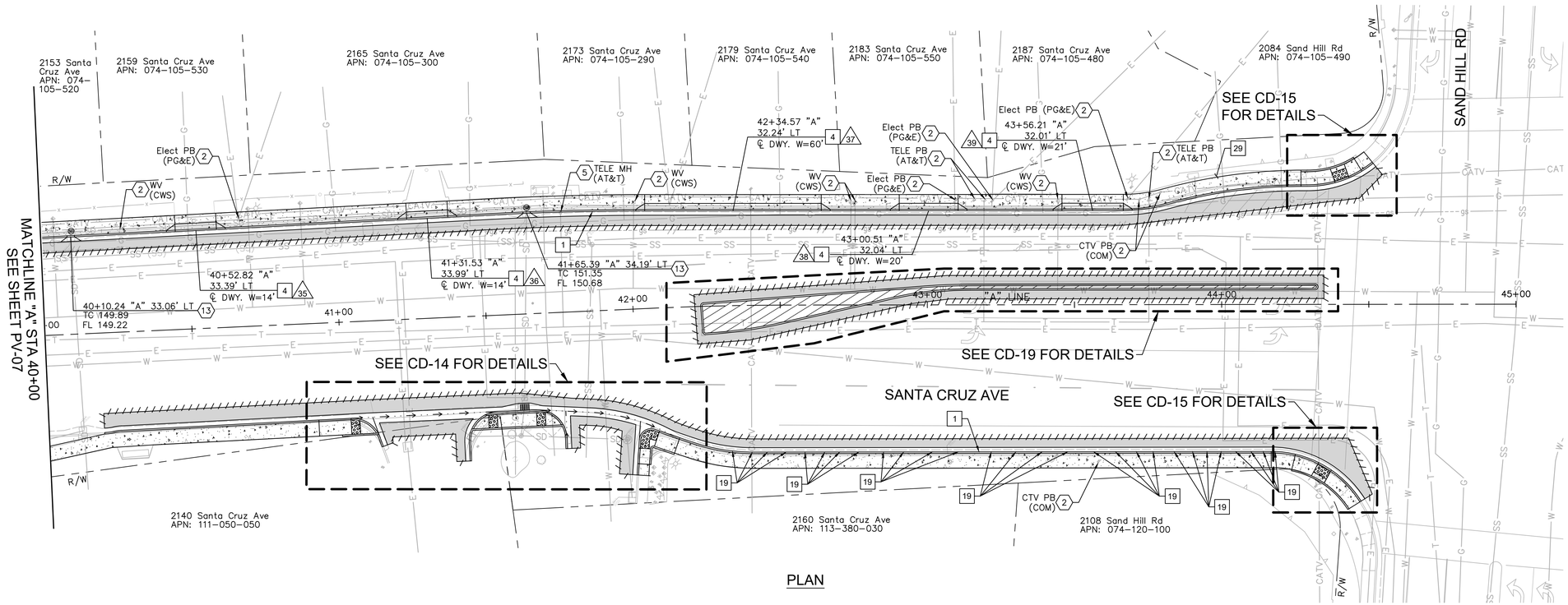
COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	STA 35+50 TO STA 40+00
		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

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

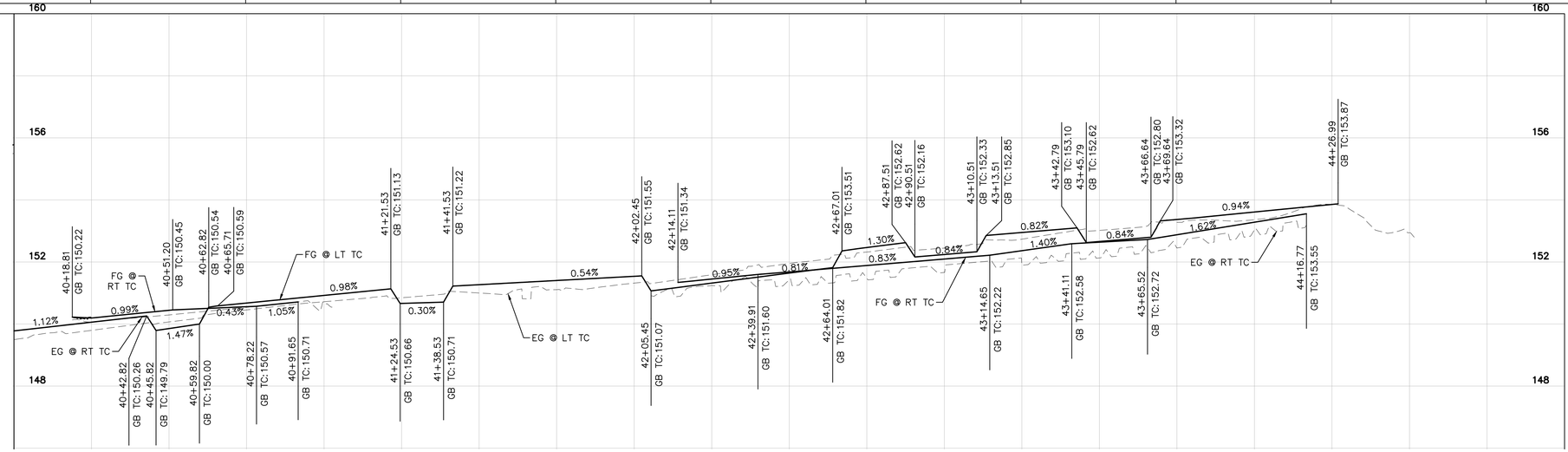
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DATE: 7/22/2022
FILE NO.: E5043
PV-07
SHEET 11 OF 67

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



PLAN

STATION	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00
LT TC ELEV/OFFSET	149.78/32.98'LT	149.85/33.37'LT	150.92/33.75'LT	151.27/34.14'LT	151.54/33.44'LT	151.64/32.08'LT	152.24/32.04'LT	152.66/32.01'LT	153.61/38.00'LT		
RT TC ELEV/OFFSET		150.44/33.18'RT				151.68/50.00'RT	152.09/50.00'RT	152.64/50.00'RT	153.28/50.00'RT		



PROFILE

LEGEND

- HMA PAVEMENT (1.0' DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- XX% PROPOSED GRADE
- (XX%) EXISTING GRADE
- XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

NOTES

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

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
19. SIDEWALK UNDERDRAIN PER COUNTY OF SAN MATEO DRAWING D-6.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

2. ADJUST TO GRADE.
5. RELOCATE.
13. OFFSET BACKSIDE INLET PER DETAIL SHEET CD-28.

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

APPROVED:

DATE:

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

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

90% DESIGN FOR REVIEW ONLY JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	STA 40+00 TO STA 45+00
		CHECKED BY: JP	PLAN AND PROFILE
		DRAWN BY: SD/KS	

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

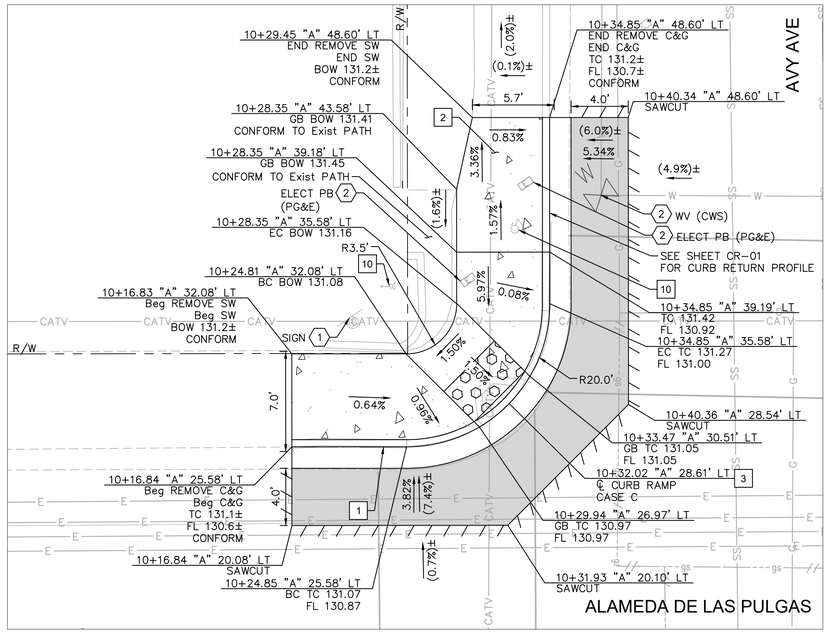
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

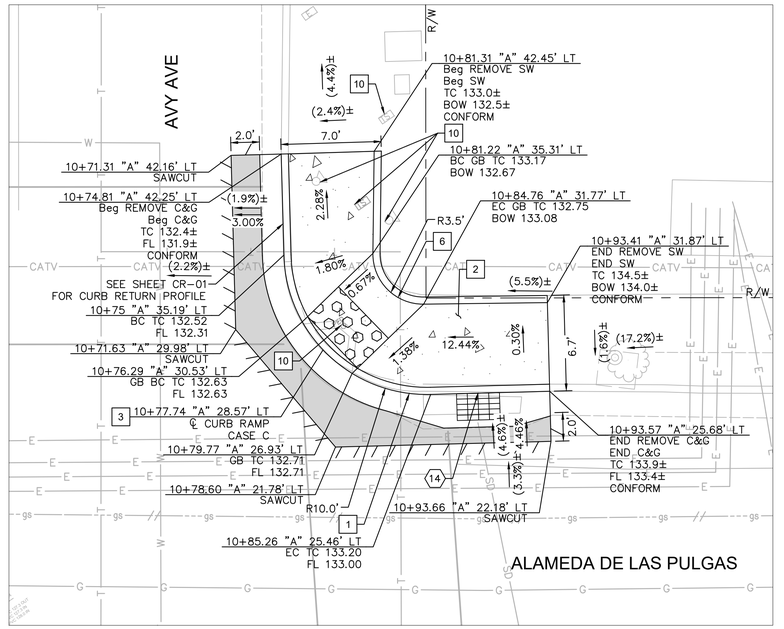
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

PV-08
SHEET 12 OF 67

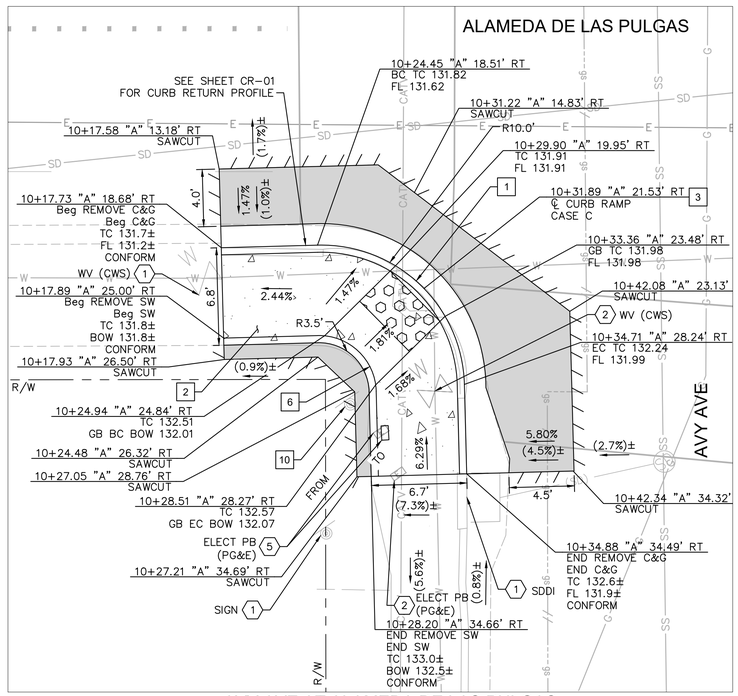
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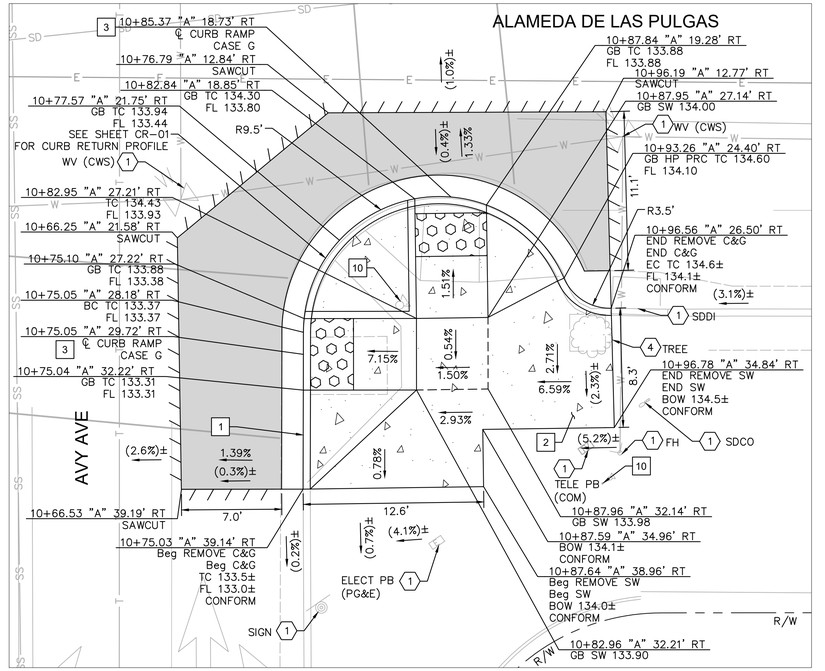
AVY AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: RAMP CONSTRUCTION DETAILS



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



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



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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS, UNLESS OTHERWISE NOTED ON THESE PLANS.

CONSTRUCTION NOTES

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

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
4. PROTECT IN PLACE.
5. RELOCATE.
14. RECONSTRUCT INLET TOP PER DETAIL SHEET CD-28.

FILENAME: K:\BAY_ROW\Y097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-01.DWG (CD-01)

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	AVY AVE CONSTRUCTION DETAILS
		CHECKED BY: JP	
		DRAWN BY: SD/KS	

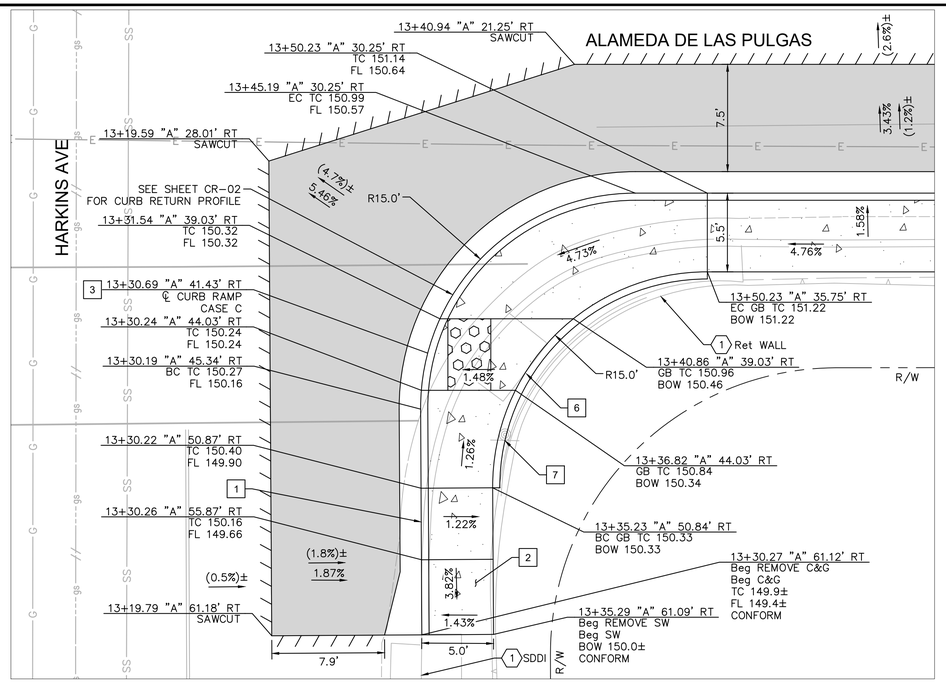
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

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

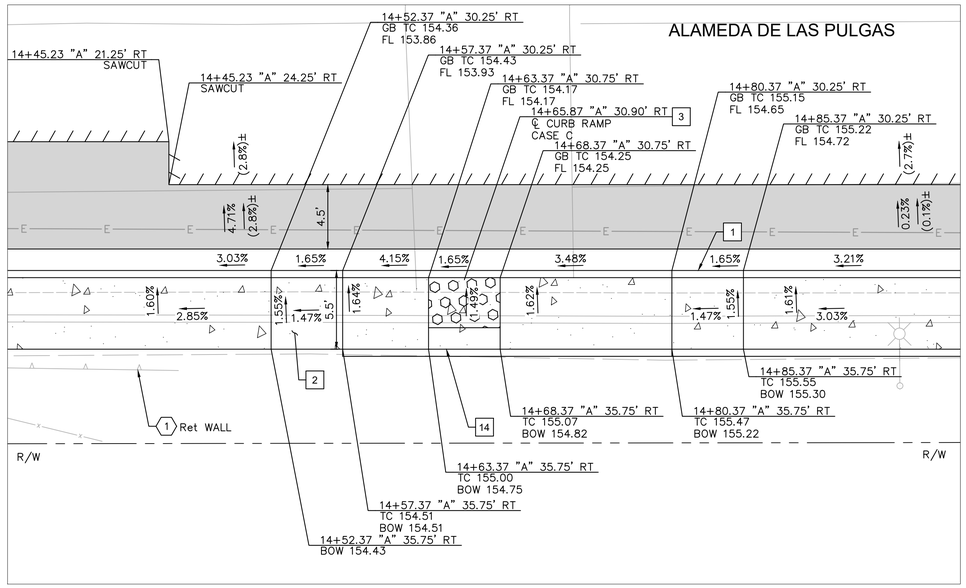
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

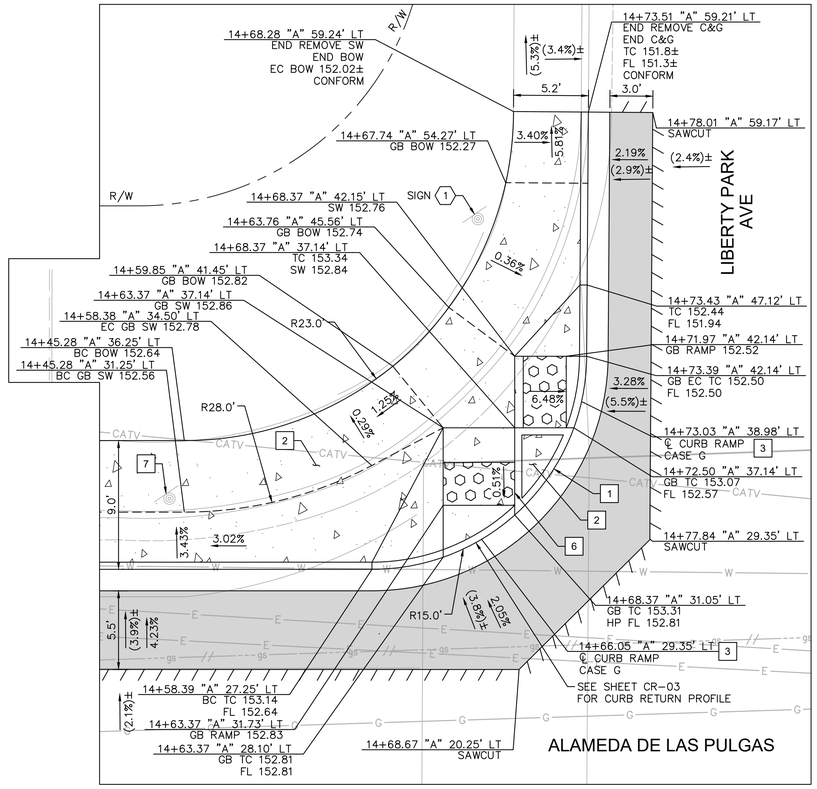
CD-01
SHEET 13 OF 67



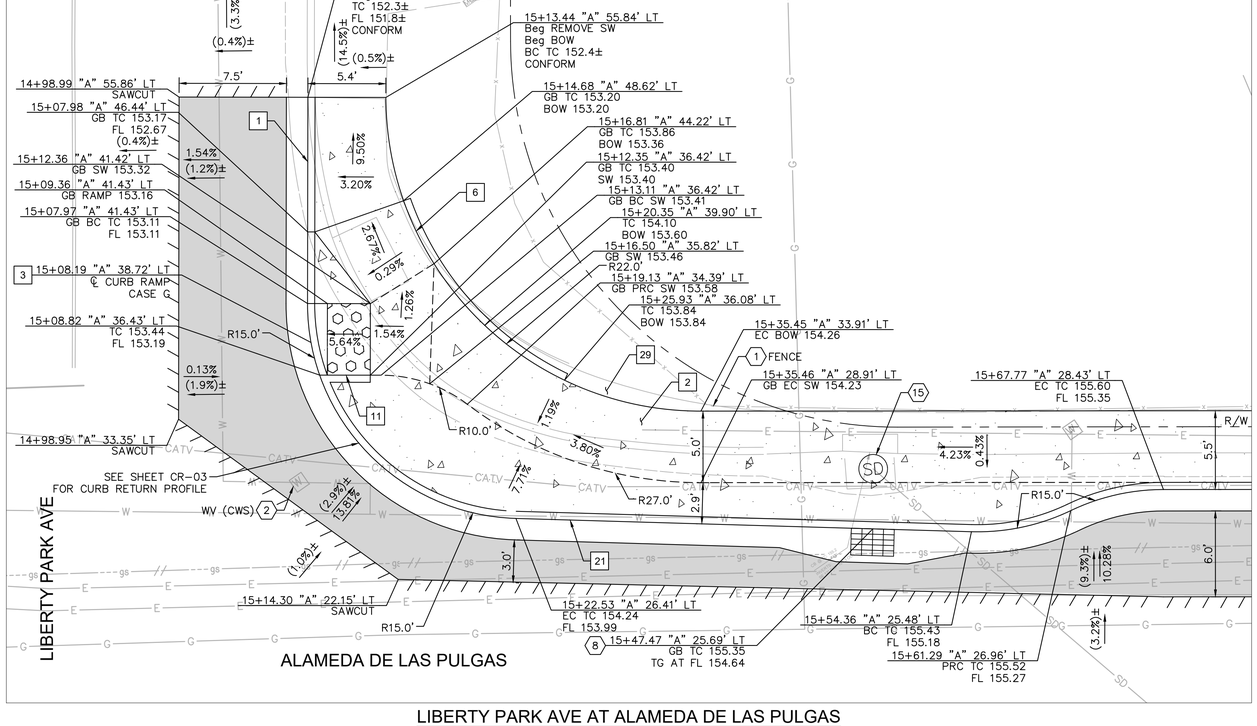
HARKINS AVE AT ALAMEDA DE LAS PULGAS
SE CORNER: RAMP CONSTRUCTION DETAILS



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



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



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

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN FOR REVIEW ONLY JULY 2022

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
11. CONSTRUCT 3" RETAINING CURB.
14. CONSTRUCT 4" RETAINING CURB.
21. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.
15. CONVERT EXISTING INLET TO STANDARD STORM DRAIN MANHOLE (SHALLOW COVER) PER COUNTY OF SAN MATEO STD DRAWING B-11. SEE DR-SHEETS.

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

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

HARKINS AVE & LIBERTY PARK AVE
CONSTRUCTION DETAILS

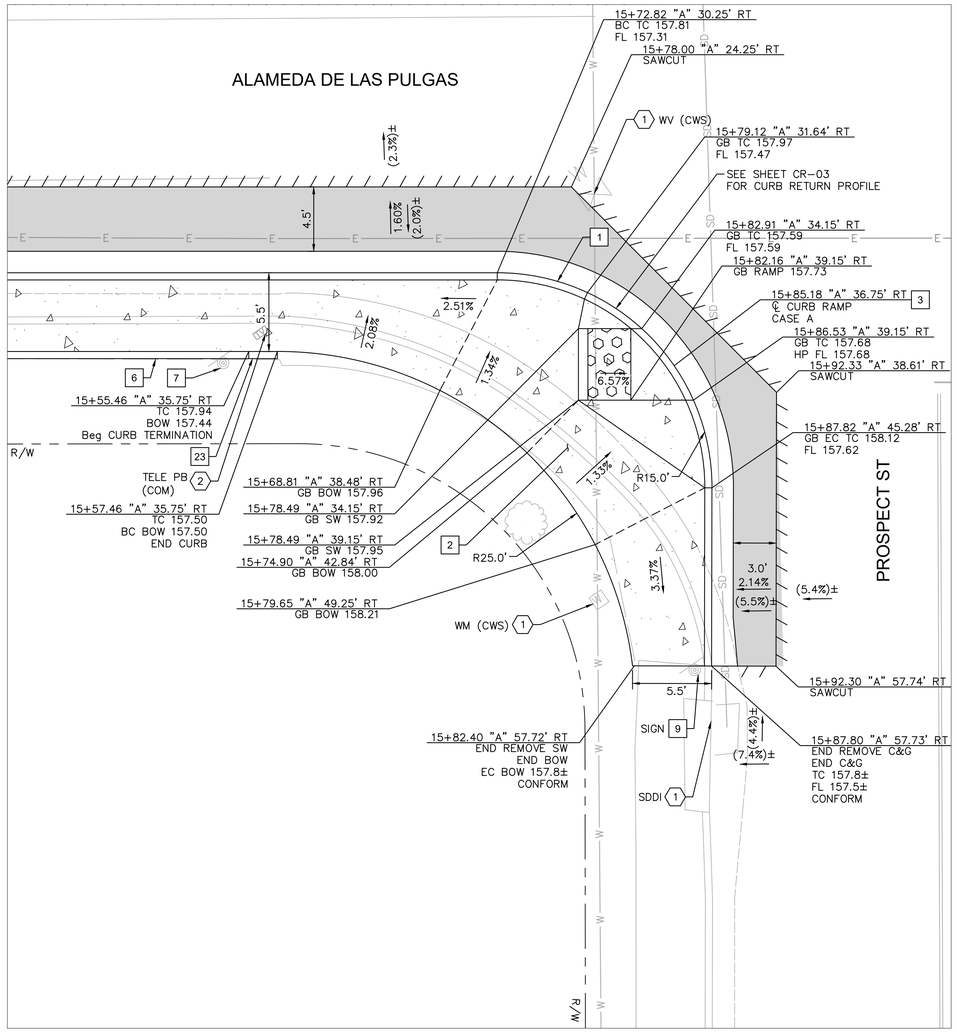
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

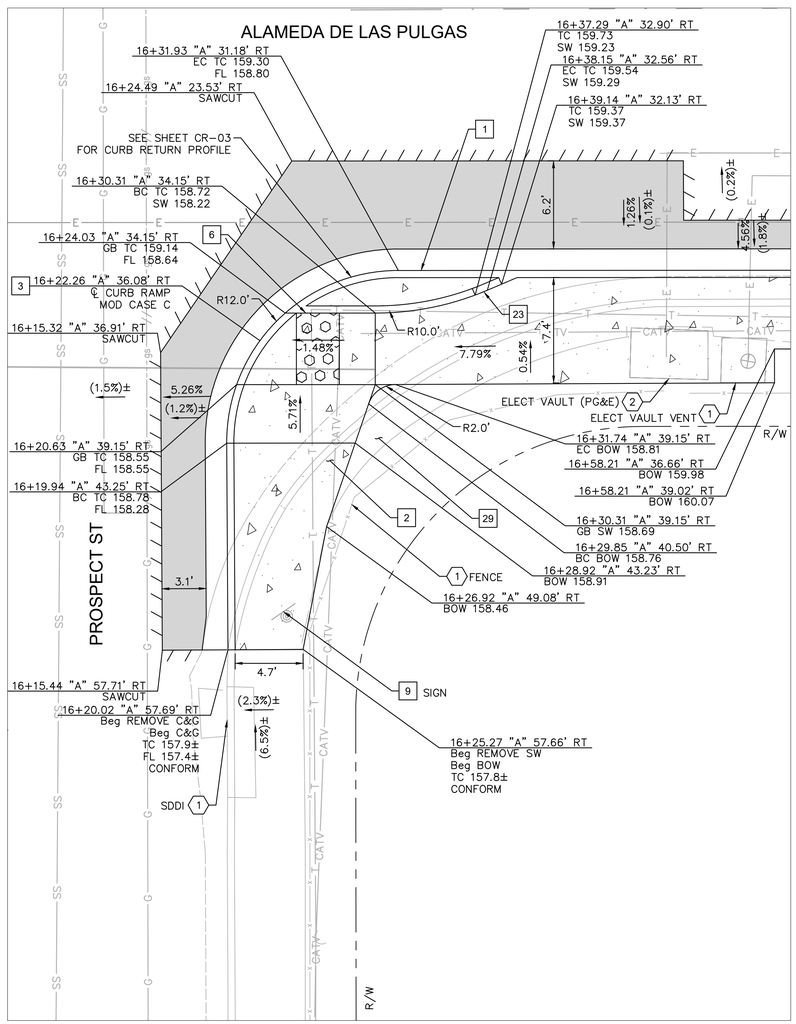
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

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

CD-02
SHEET 14 OF 67



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



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
9. RESET.
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

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

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

GRAPHIC SCALE IN FEET
0 2.5 5 10

NORTH

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

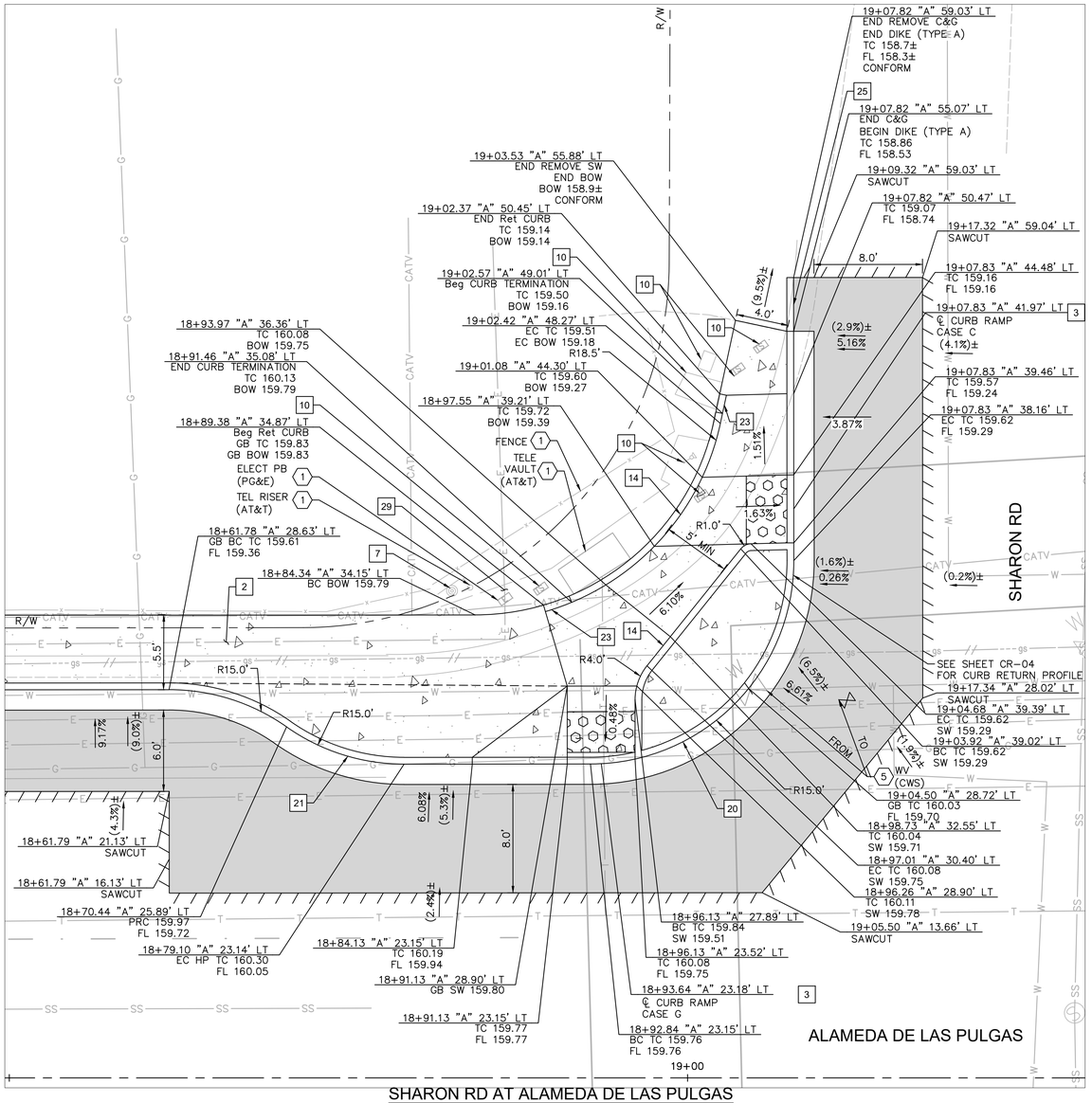
COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-03
SHEET 15 OF 67



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

- [2] SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- [3] CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
- [7] SEE SS SHEETS FOR DETAILS.
- [10] TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- [14] CONSTRUCT 4" RETAINING CURB.
- [20] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
- [21] MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
- [23] 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.
- [25] MODIFIED AC TYPE B DIKE PER COUNTY OF SAN MATEO DRAWING D-3(A). CURB HEIGHT AS SHOWN PER PLANS.
- [29] BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

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

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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

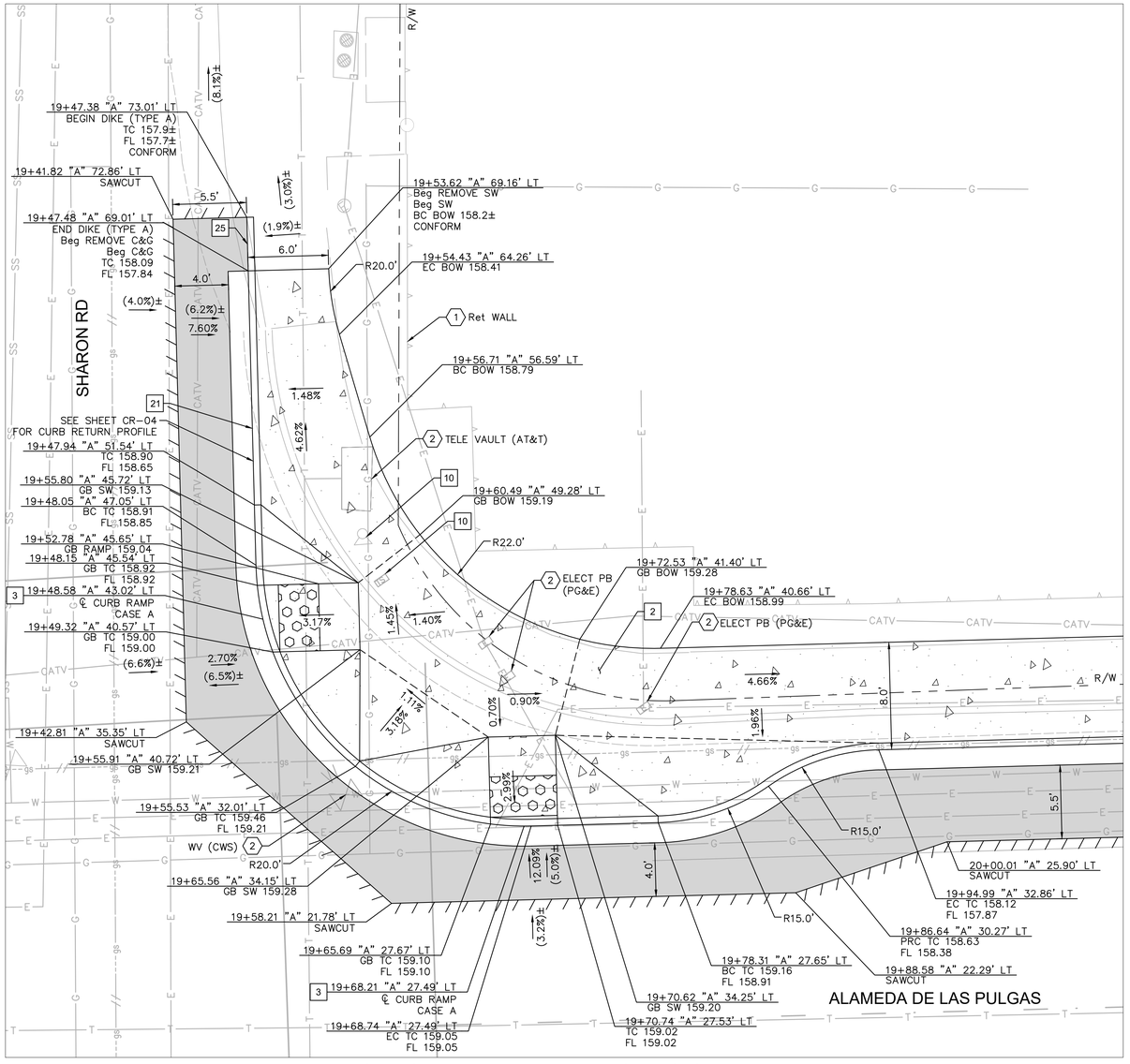
COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-04
SHEET 16 OF 67



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 3 CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
- 10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- 21 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
- 25 MODIFIED AC TYPE B DIKE PER COUNTY OF SAN MATEO DRAWING D-3(A). CURB HEIGHT AS SHOWN PER PLANS.

DEMOLITION & UTILITY NOTES

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

FILENAME: K:\BAY_RDWY\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-05)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

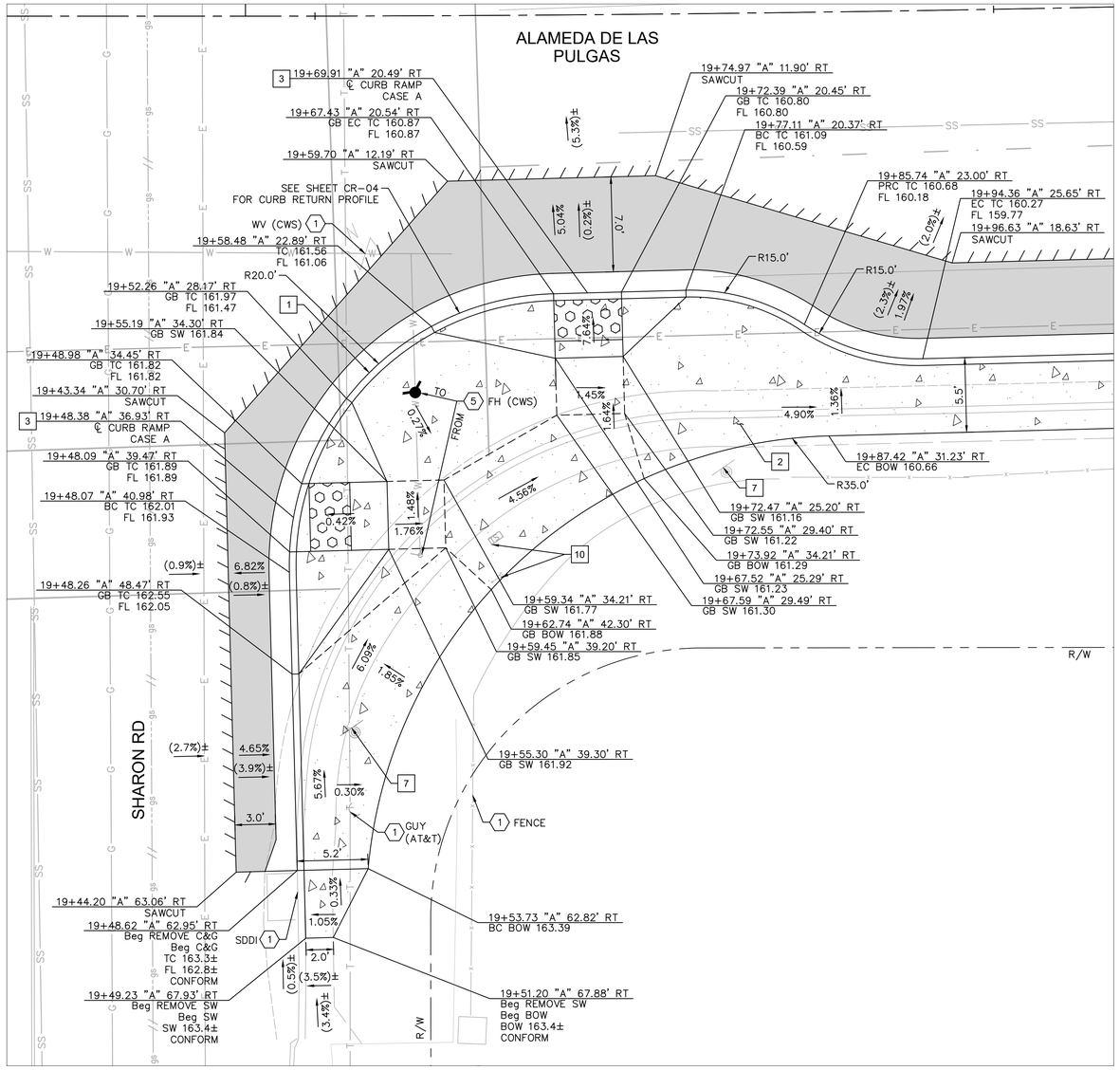
COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043

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

CD-05
SHEET 17 OF 67



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
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6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS, UNLESS OTHERWISE NOTED ON THESE PLANS.

CONSTRUCTION NOTES

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

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
5. RELOCATE.

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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

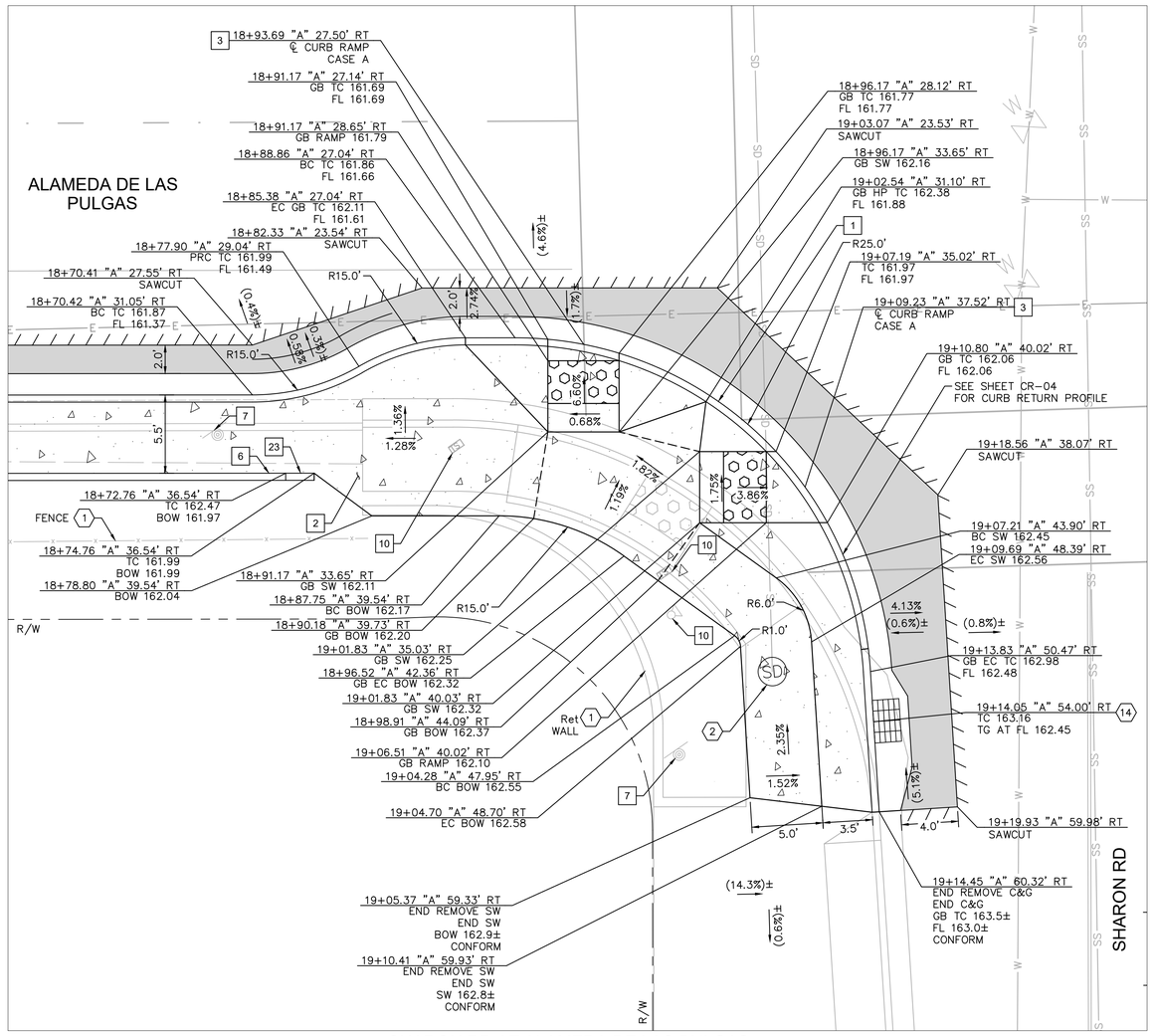
COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-06
SHEET 18 OF 67



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
14. RECONSTRUCT INLET TOP PER DETAIL SHEET CD-28.

FILENAME: K:\BAY_ROWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-07)

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

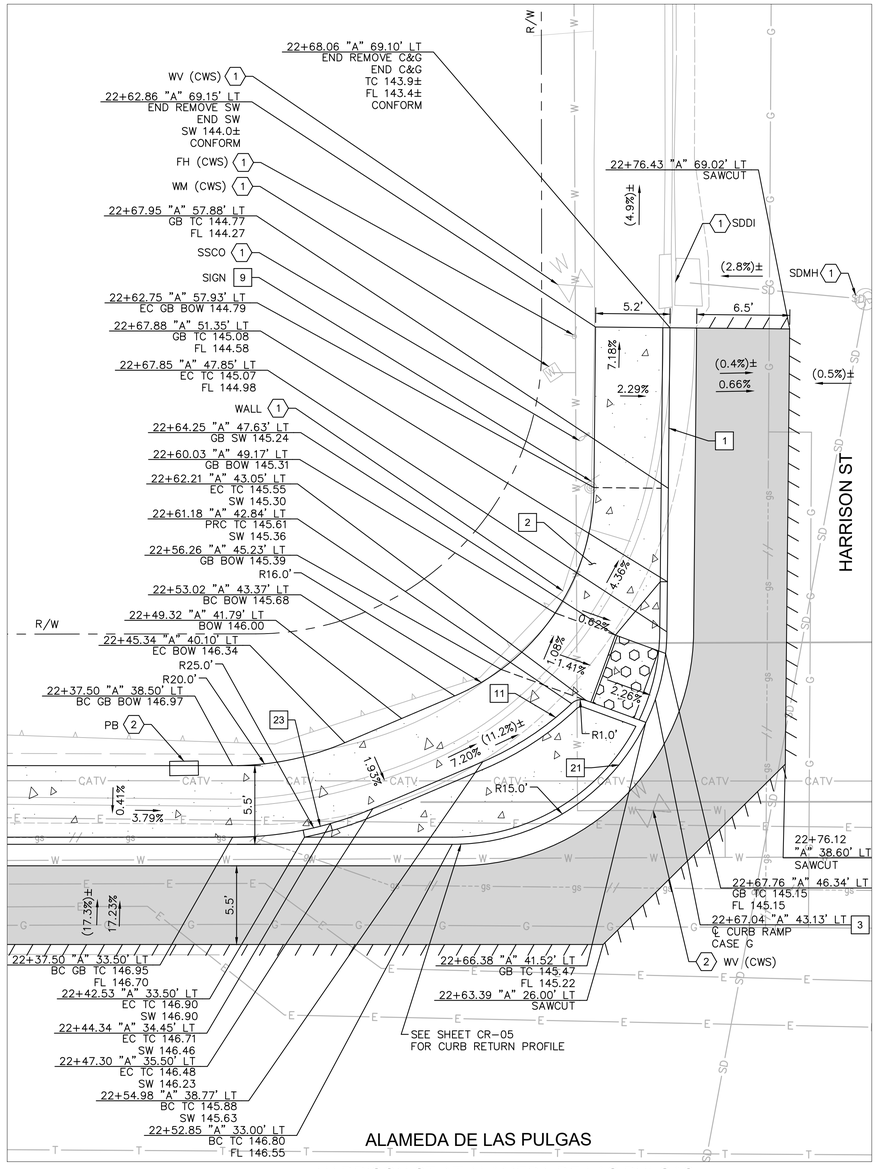
COUNTY OF SAN MATEO
PUBLIC WORKS

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

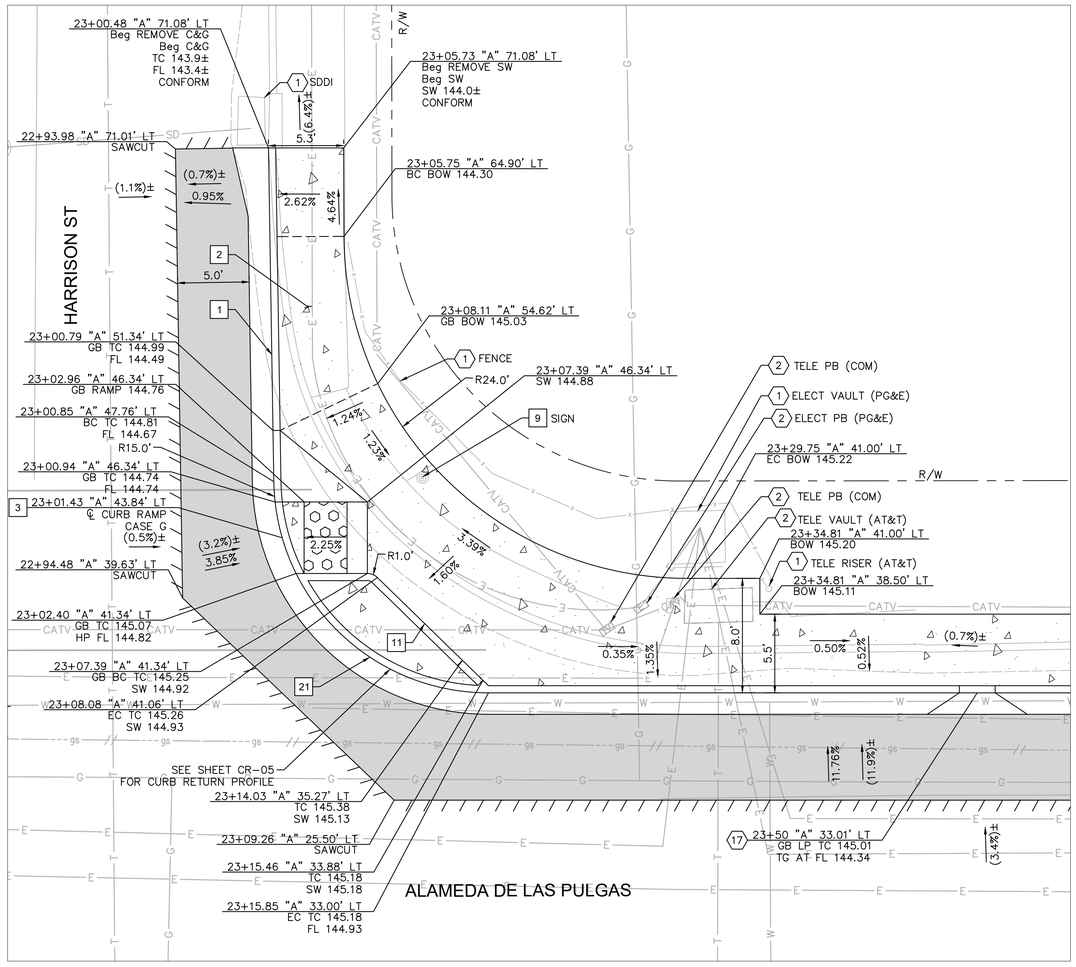
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-07
SHEET 19 OF 67



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



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

APPROVED:

DATE: _____

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

LEGEND

	HMA PAVEMENT (12" DEPTH)
	PCC SIDEWALK
	DETECTABLE WARNING SURFACE
	STAMPED CONCRETE
	AC SAWCUT
	GRADE BREAK
	RIGHT OF WAY
X.XX%	PROPOSED GRADE
(X.XX%)	EXISTING GRADE

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CONSTRUCTION NOTES

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3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
9. RESET.
11. CONSTRUCT 3" RETAINING CURB.
21. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
17. POTENTIAL DRAINAGE SOLUTIONS TO BE DISCUSSED WITH COUNTY.

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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

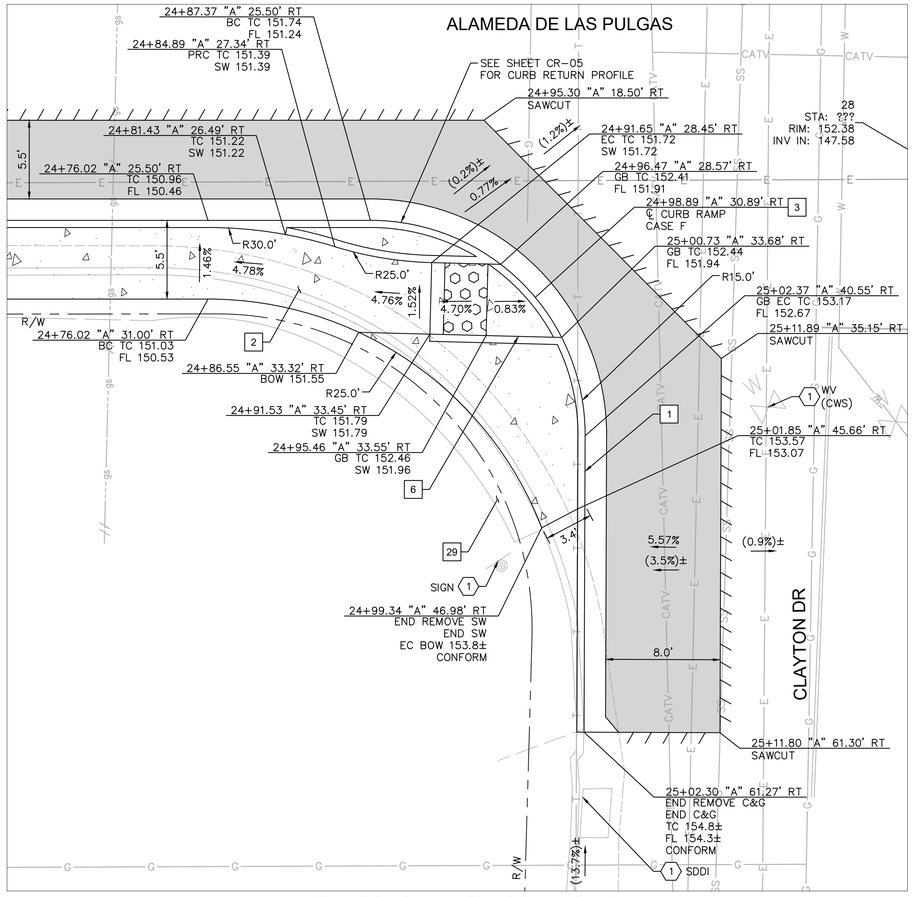
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

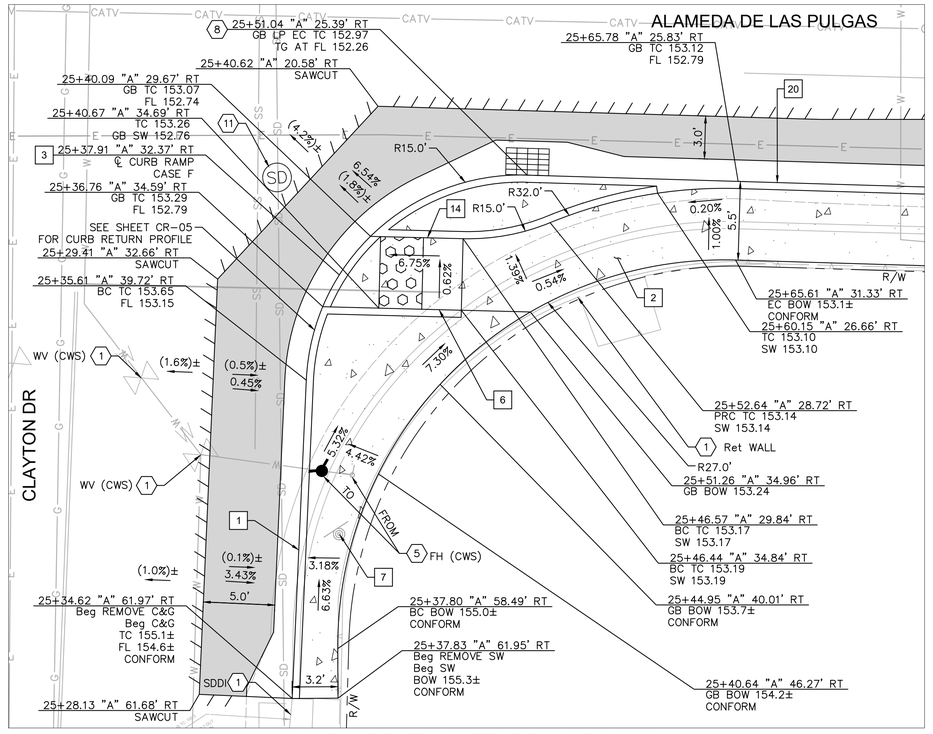
REVISION	DATE	DESIGNED BY: CLH/ASP /HW	HARRISON ST & CLAYTON DR CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

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

CD-08
SHEET 20 OF 67



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



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

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

NOTES

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CONSTRUCTION NOTES

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2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
14. CONSTRUCT 4" RETAINING CURB.
20. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
5. RELOCATE.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.
11. STANDARD STORM DRAIN MANHOLE (SHALLOW COVER)PER COUNTY OF SAN MATEO STD DRAWING B-11. SEE DR-SHEETS.

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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

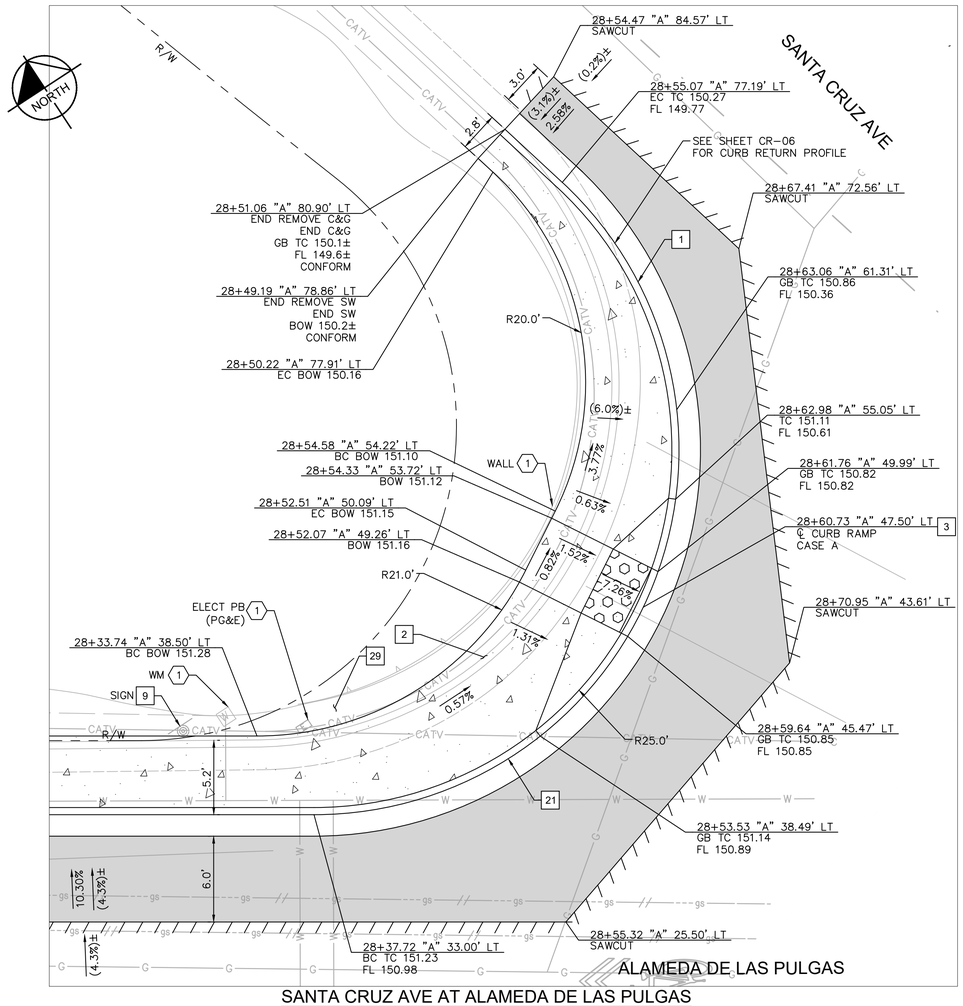
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO PUBLIC WORKS

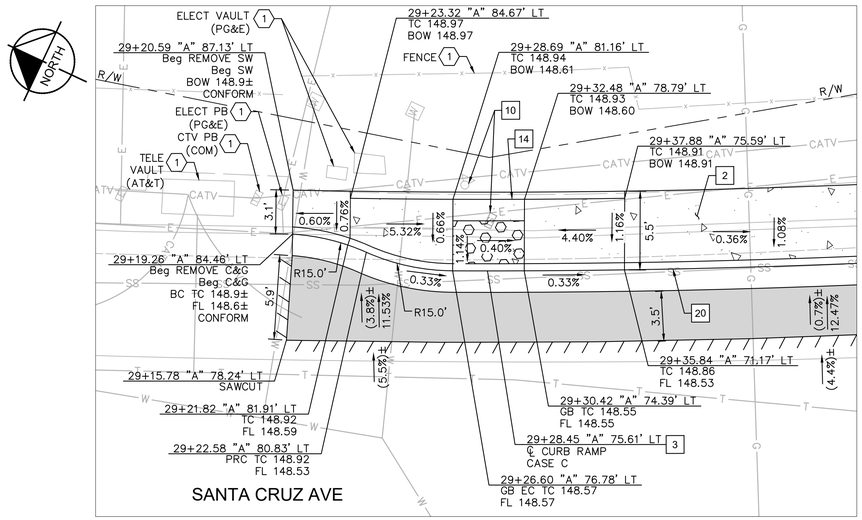
REVISION	DATE		
		DESIGNED BY: CLH/ASP /HW	HARRISON ST & CLAYTON DR
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043
	CD-09
	SHEET 21 OF 67

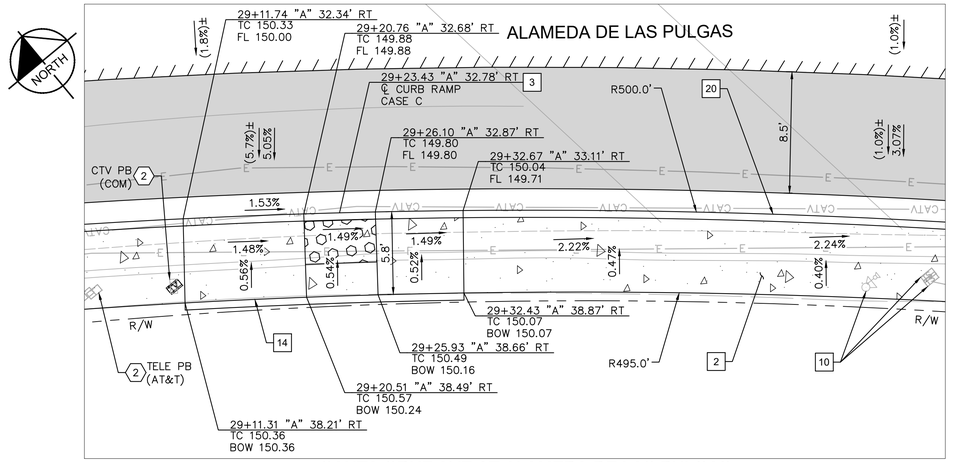
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4



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



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



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

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

APPROVED:

DATE: _____

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

LEGEND

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

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9. RESET.
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DEMOLITION & UTILITY NOTES

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

APPROVED DATE:	
SIGNATURE	
JOHN PULLIAM	
KIMLEY-HORN	
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REGISTERED PROFESSIONAL ENGINEER
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CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

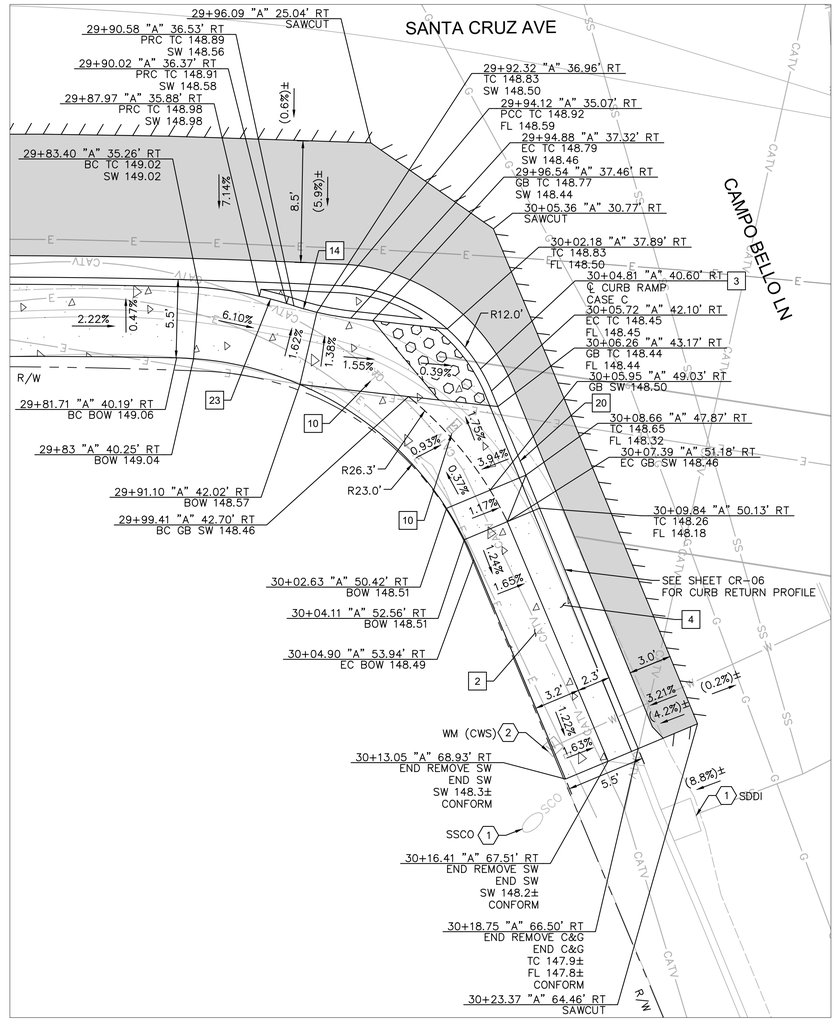
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SANTA CRUZ AVE & ALAMEDA DE LAS PULGAS
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SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-10
SHEET 22 OF 67

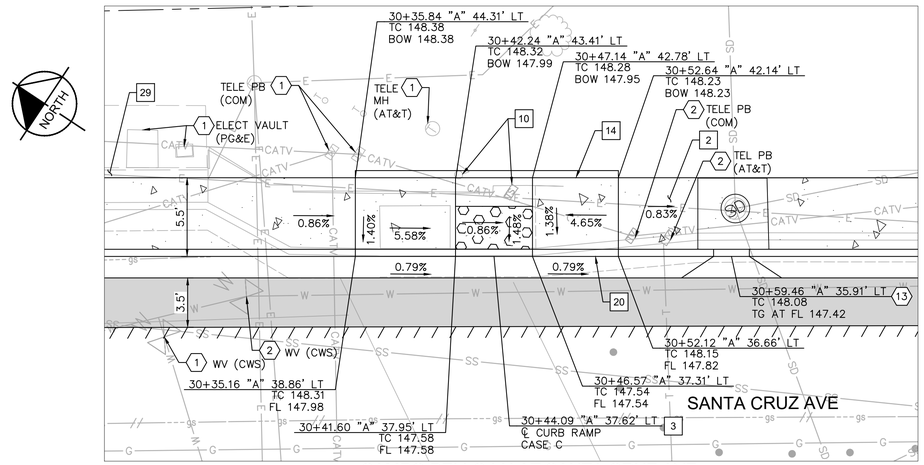
FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-10)



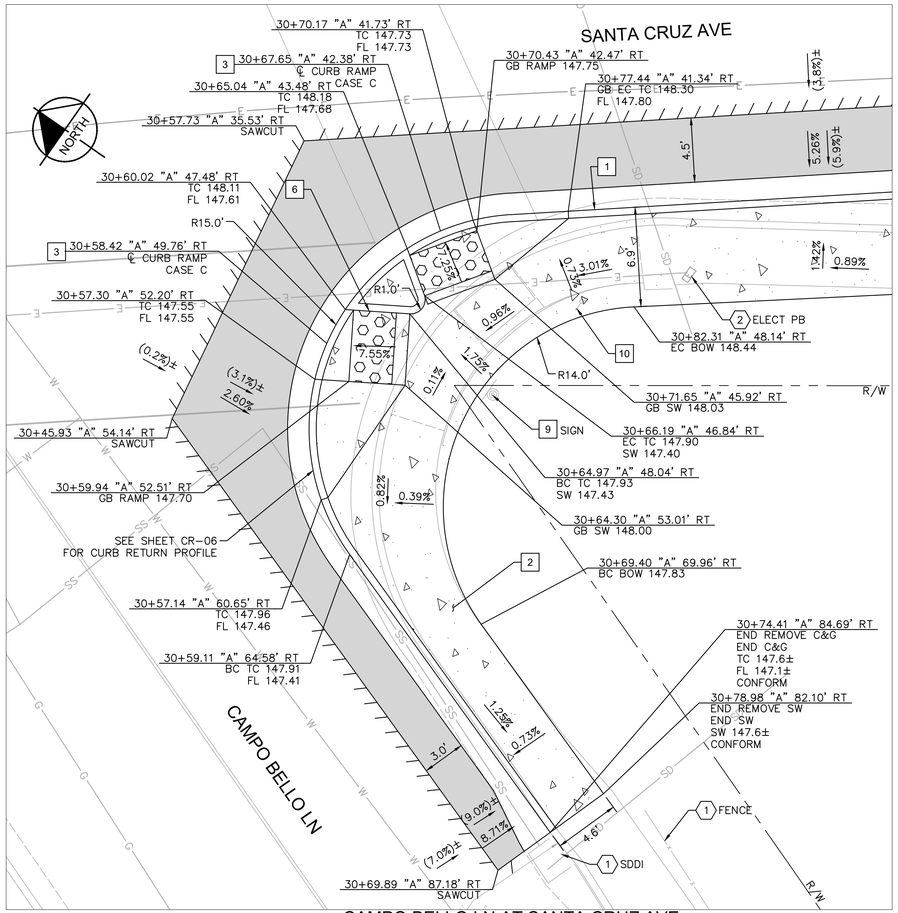
CAMPO BELLO LN AT SANTA CRUZ AVE
SW CORNER: RAMP CONSTRUCTION DETAILS

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022



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



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

APPROVED:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
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6. 6" RETAINING CURB.
9. RESET.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
14. CONSTRUCT 4" RETAINING CURB.
20. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
13. OFFSET BACKSIDE INLET PER DETAIL SHEET CD-28.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-04.DWG (CD-11)

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

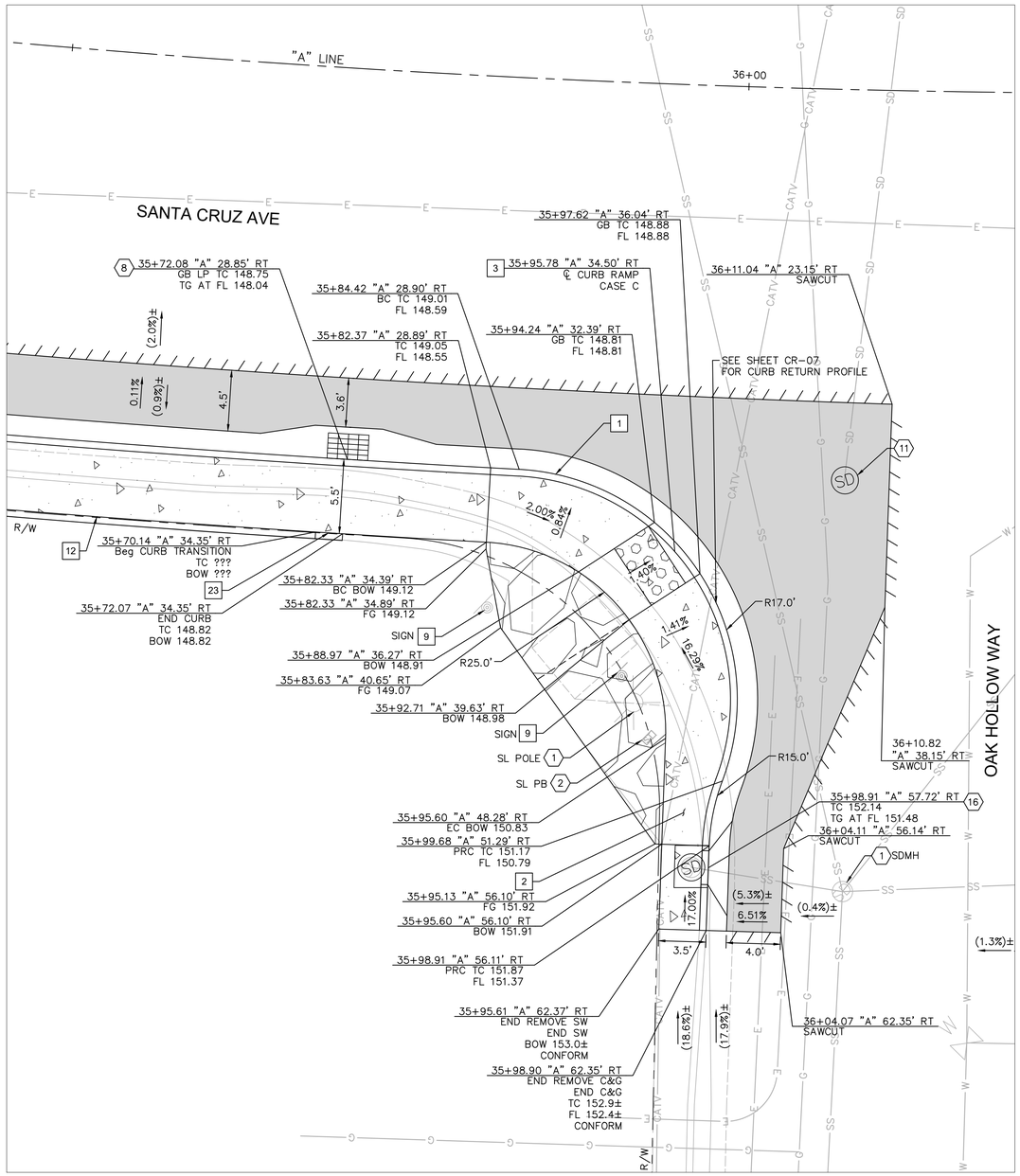
CAMPO BELLO LN
CONSTRUCTION DETAILS

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

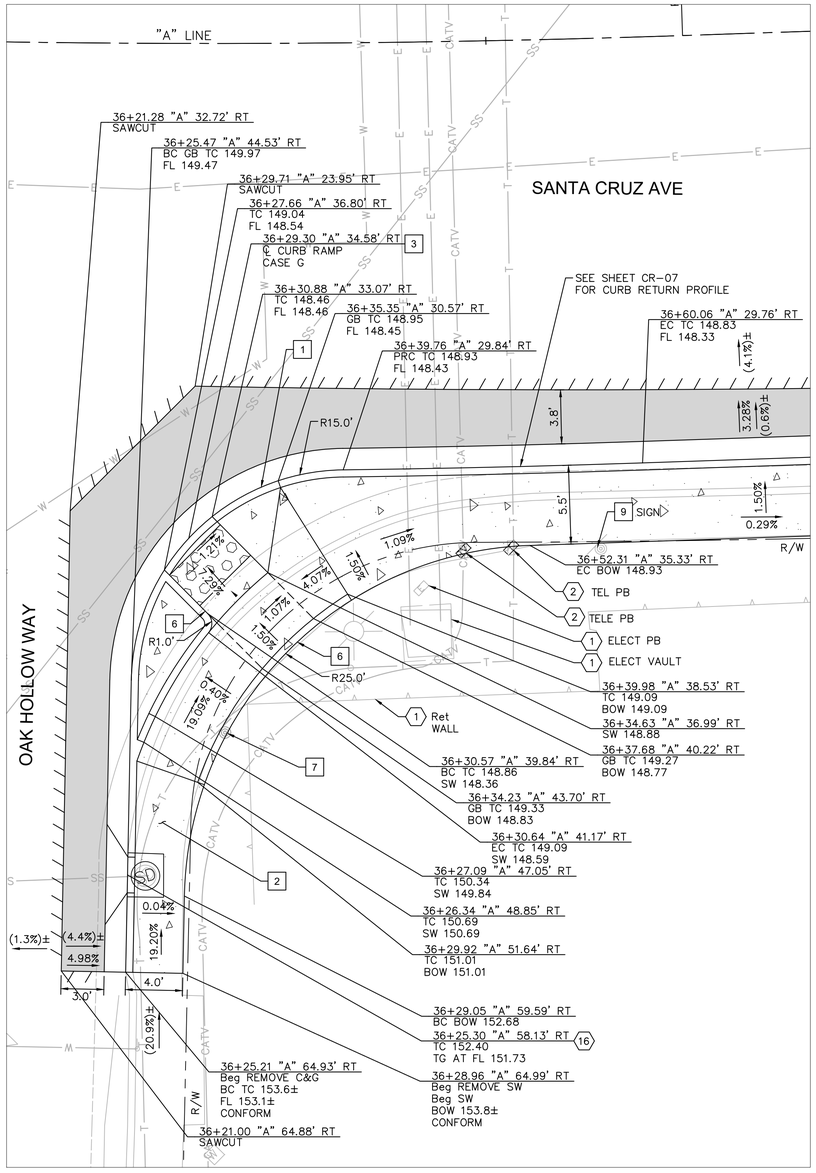
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-11
SHEET 23 OF 67



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



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

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
9. RESET.
12. MAX 2.5' RETAINING CURB.
23. 2' CURB TERMINATION PER DETAIL ON SHEET CD-28.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
8. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1. SEE DR-SHEETS.
11. STANDARD STORM DRAIN MANHOLE PER COUNTY OF SAN MATEO STD DRAWING B-10. SEE DR-SHEETS.
16. RECONSTRUCT BACKSIDE INLET PER RECONSTRUCT INLET TOP DETAIL AND BACKSIDE INLET DETAIL SHEET CD-28.

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

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

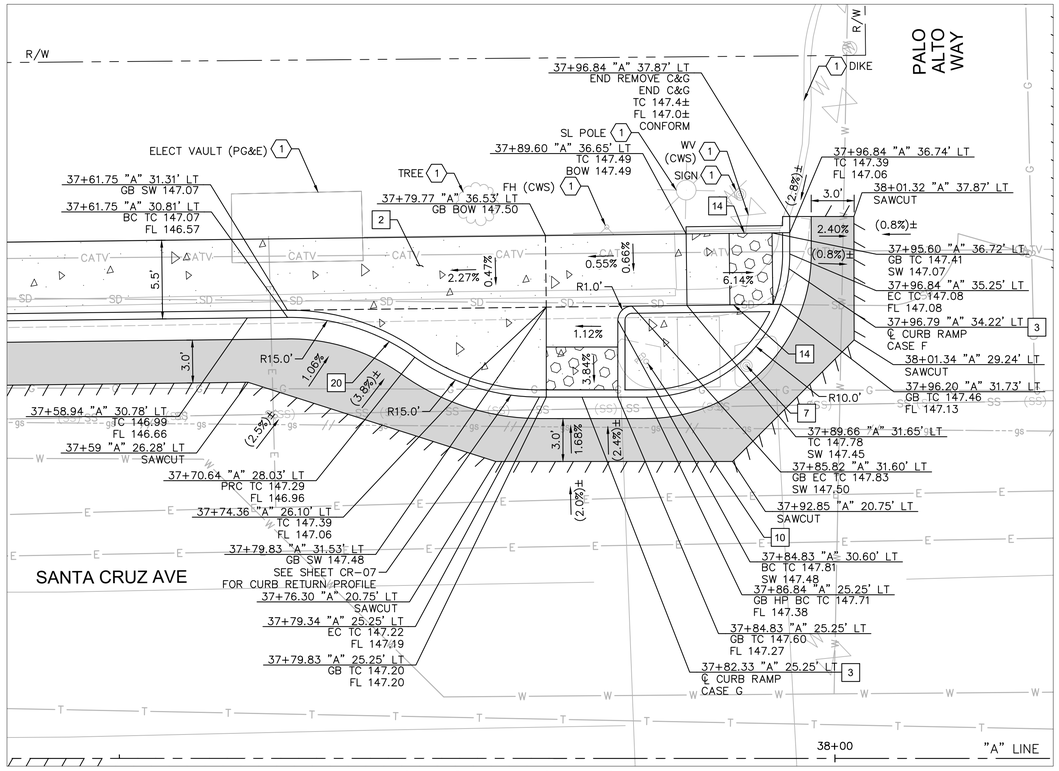
COUNTY OF SAN MATEO
PUBLIC WORKS

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

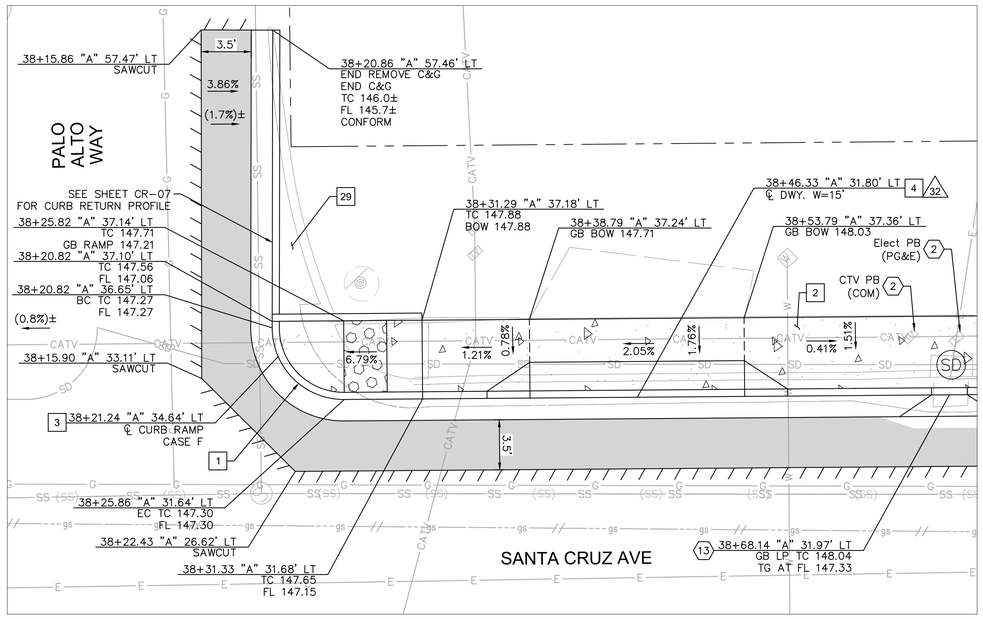
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

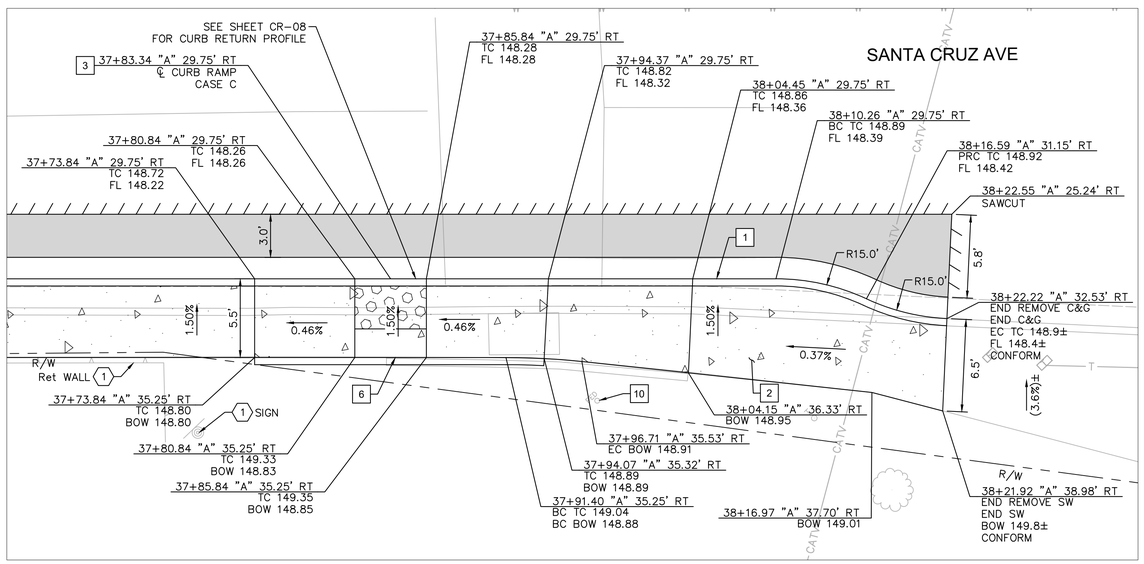
CD-12
SHEET 24 OF 67



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



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



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

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
13. OFFSET BACKSIDE INLET PER DETAIL SHEET CD-28.

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

XX SEE SHEETS CD-20 THROUGH CD-26 FOR DRIVEWAY DETAILS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
14. CONSTRUCT 4" RETAINING CURB.
20. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

REVISION | DATE

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

PALO ALTO WAY
CONSTRUCTION DETAILS

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

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

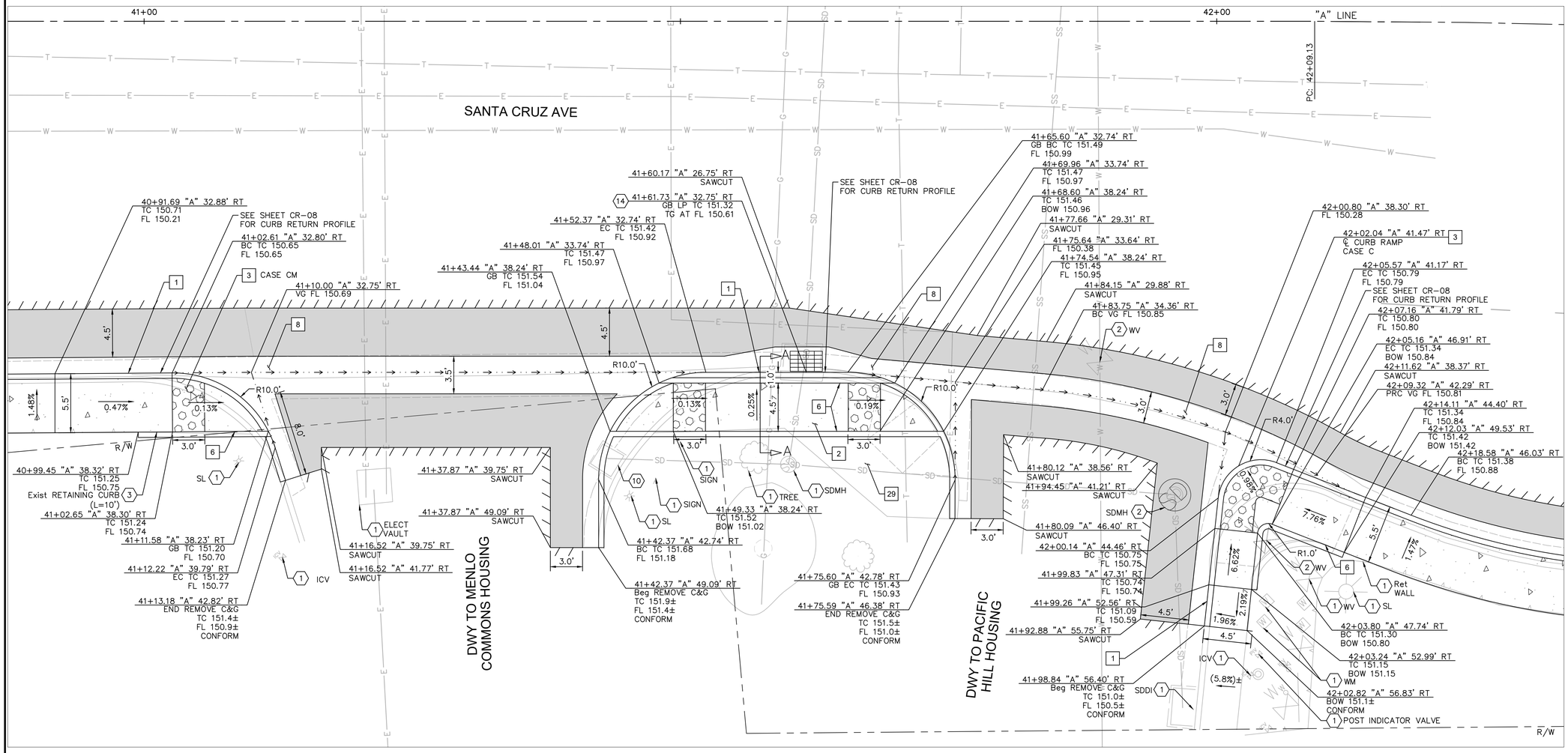
CD-13
SHEET 25 OF 67

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

APPROVED:

DATE: _____

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



LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

NOTES

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2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
3. EXISTING SURFACE EQUIPMENT (TRAFFIC SIGNAL POLES, BOXES, FIRE HYDRANTS, JOINT UTILITY POLES, etc.) TO REMAIN UNLESS OTHERWISE NOTED.
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5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS, UNLESS OTHERWISE NOTED ON THESE PLANS.

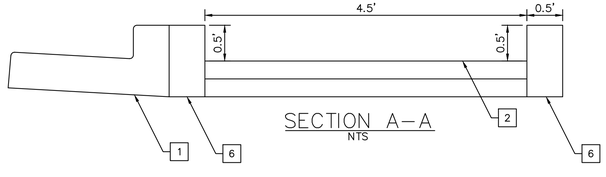
CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
8. VALLEY GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-5. 3' WIDE UNLESS OTHERWISE NOTED ON PLANS.
28. A1-6 CURB PER COUNTY OF SAN MATEO STD DRAWING D-3.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

1. EXISTING TO REMAIN.
2. ADJUST TO GRADE.
3. REMOVE.
10. REMOVE EXISTING INLET.
14. RECONSTRUCT INLET TOP PER DETAIL SHEET CD-28.

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



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

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

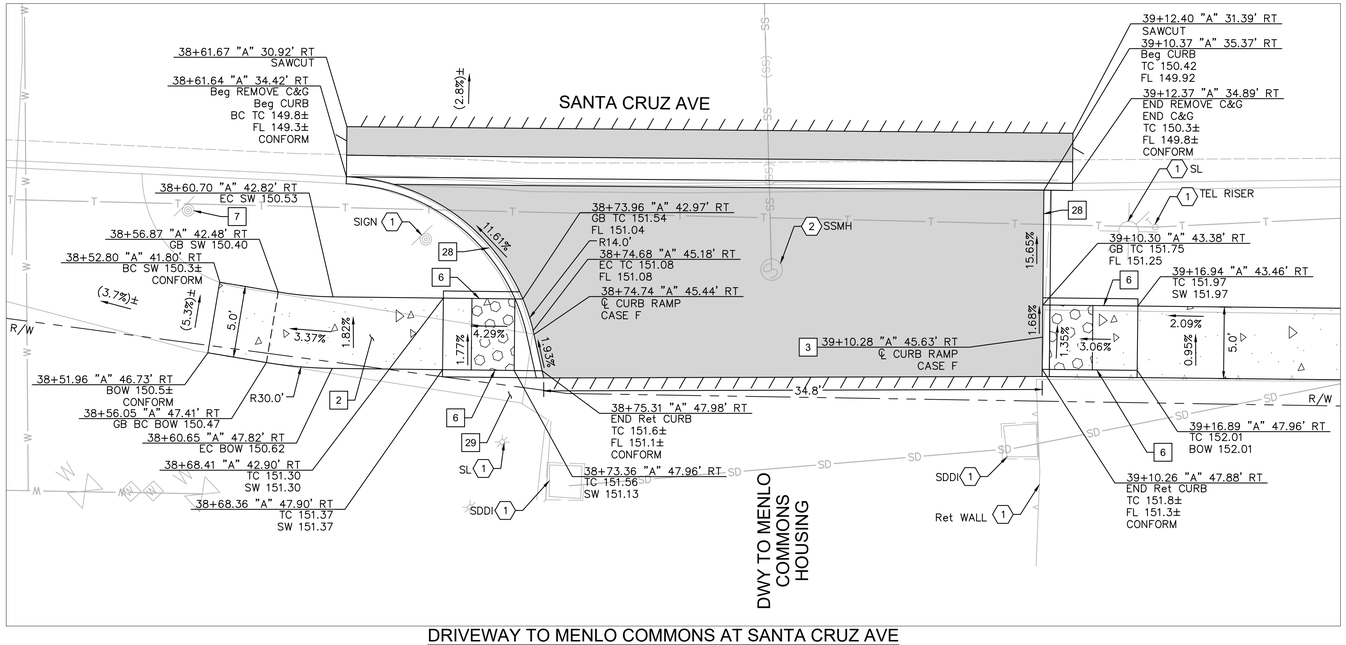
NORTH

GRAPHIC SCALE IN FEET
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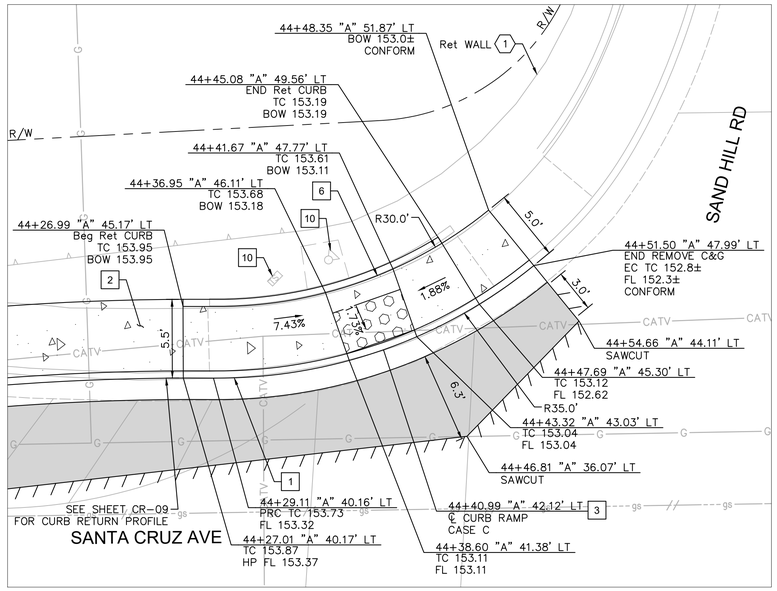
90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

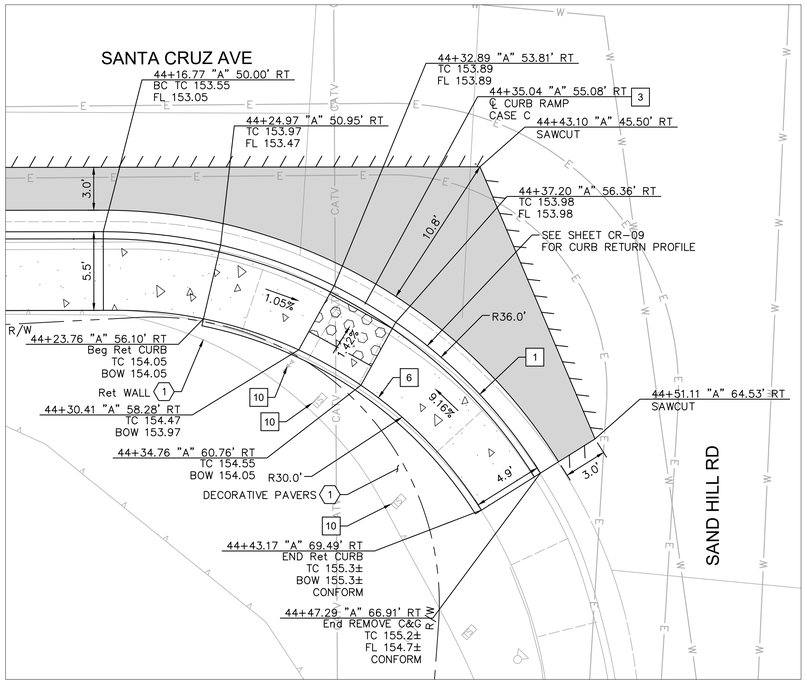
CD-14
SHEET 26 OF 67



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



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



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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
3. CURB RAMP PER 2018 CALTRANS STD RSP A88A AND COUNTY OF SAN MATEO STD DRAWING D-4. CASE NOTED PER PLANS.
6. 6" RETAINING CURB.
7. SEE SS SHEETS FOR DETAILS.
10. TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
28. A1-6 CURB PER COUNTY OF SAN MATEO STD DRAWING D-3.
29. BACKFILL WITH CLEAN NATIVE MATERIAL.

DEMOLITION & UTILITY NOTES

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

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

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SAND HILL RD
		CHECKED BY: JP	CONSTRUCTION DETAILS
		DRAWN BY: SD/KS	

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

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

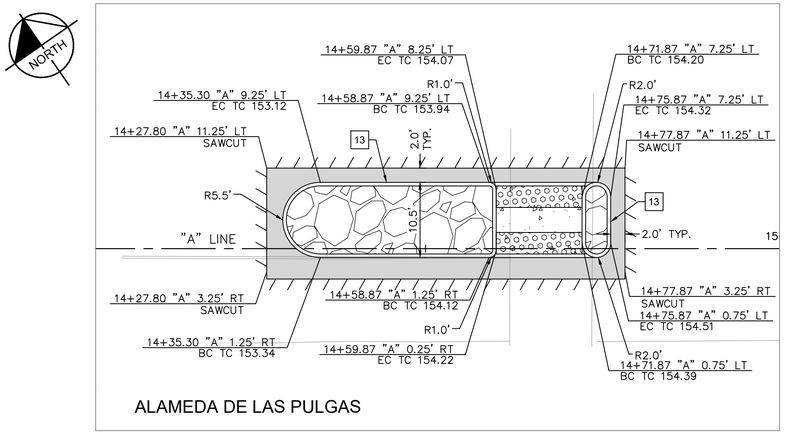
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-15
SHEET 27 OF 67

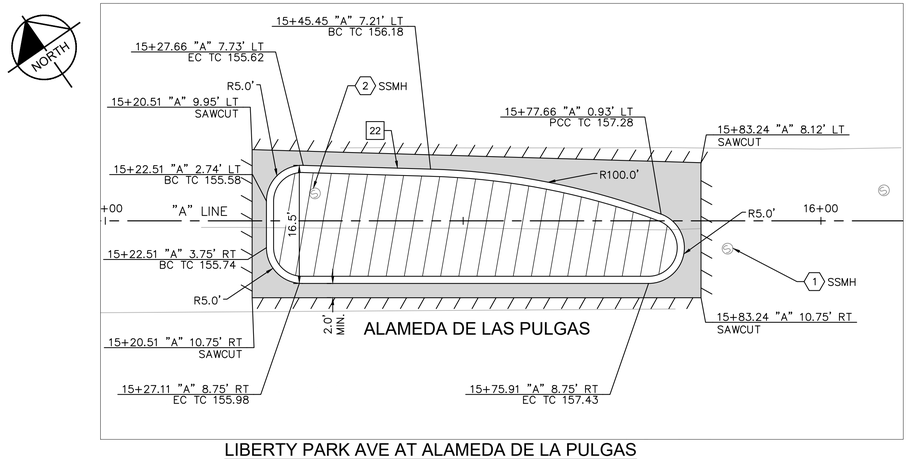
NORTH

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022



LIBERTY PARK AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



LIBERTY PARK AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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5. ALL UTILITY PIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. SEE SS SHEETS FOR SIGNING AND STRIPING DETAILS.
7. SEE TS SHEETS FOR TRAFFIC SIGNAL DETAILS.
8. EXISTING SIDEWALK, CURB, AND GUTTER REMOVAL LIMITS AS SHOWN ON THESE PLANS ARE INTENDED TO BE LOCATED AT WEAKENED PLANE JOINT OR SCOREMARK. CONTRACTOR TO FIELD VERIFY AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
9. SAWCUT AND REMOVE PAVEMENT SECTION TO 12" DEPTH TO A NEAT LINE WITHOUT DAMAGING EXISTING AC OR CONCRETE THAT IS TO REMAIN IN PLACE. ANY DAMAGE TO THE ADJACENT SURFACE MATERIAL TO REMAIN MUST BE REPAIRED OR REPLACED TO A CONDITION SATISFACTORY TO THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS, UNLESS OTHERWISE NOTED ON THESE PLANS.

CONSTRUCTION NOTES

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

22 3" MOUNTABLE CURB PER DETAIL ON SHEET CD-28.

DEMOLITION & UTILITY NOTES

1 EXISTING TO REMAIN.

2 ADJUST TO GRADE.

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

GRAPHIC SCALE IN FEET
0 5 10 20

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

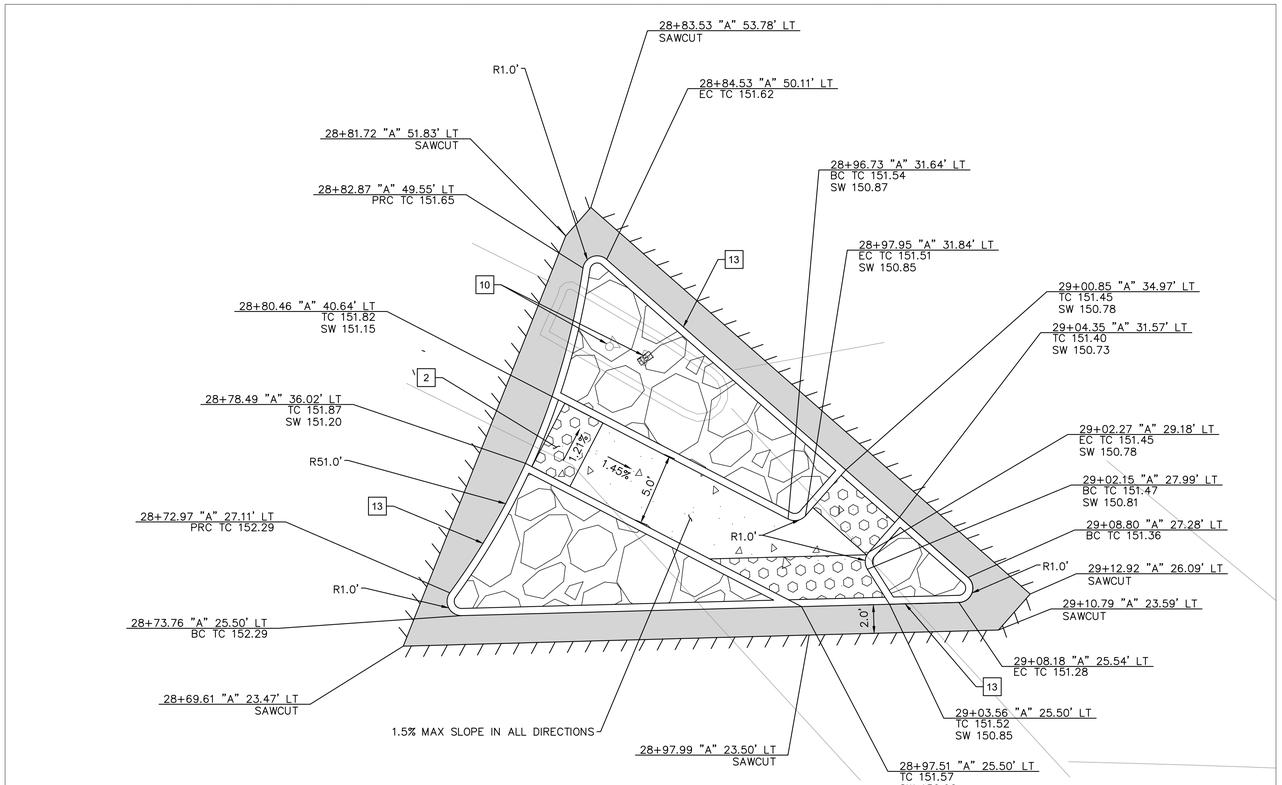
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

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

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

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043
	CD-16
	SHEET 28 OF 67



ALAMEDA DE LAS PULGAS

SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

1. AT LOCATIONS WHERE R/W IS NOT IDENTIFIED, EXISTING BACK OF WALK SHALL BE ASSUMED AS RIGHT OF WAY LIMITS.
2. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY CITY ENGINEER OF ANY POTENTIAL CONFLICTS.
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10. ALL CURB CORNERS TO BE ROUNDED USING A 0.5' RADIUS, UNLESS OTHERWISE NOTED ON THESE PLANS.

CONSTRUCTION NOTES

- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- 13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (17 CD-17)

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

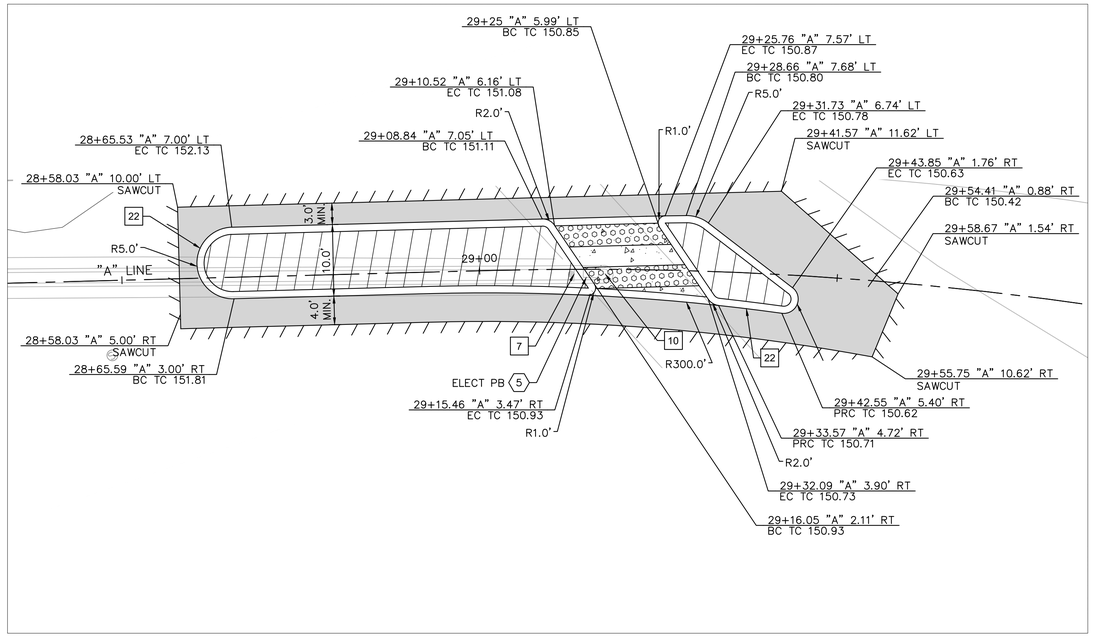
COUNTY OF SAN MATEO
PUBLIC WORKS

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

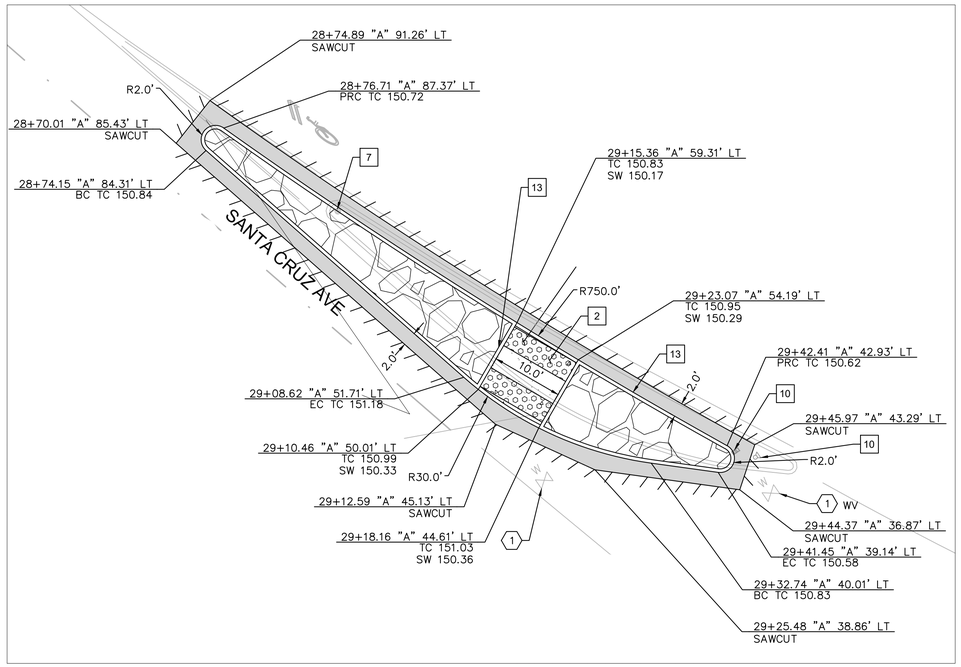
SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043

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

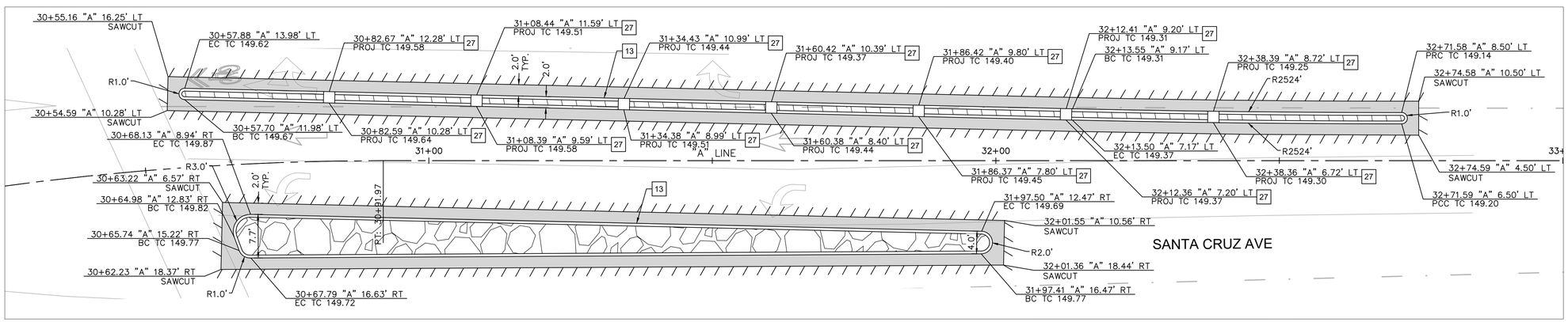
CD-17
SHEET 29 OF 67



SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



SANTA CRUZ AVE AT ALAMEDA DE LA PULGAS
MEDIAN CONSTRUCTION DETAILS



SANTA CRUZ AVE AT CAMPO BELLO LN
MEDIAN CONSTRUCTION DETAILS

GRAPHIC SCALE IN FEET
0 5 10 20

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

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CONSTRUCTION NOTES

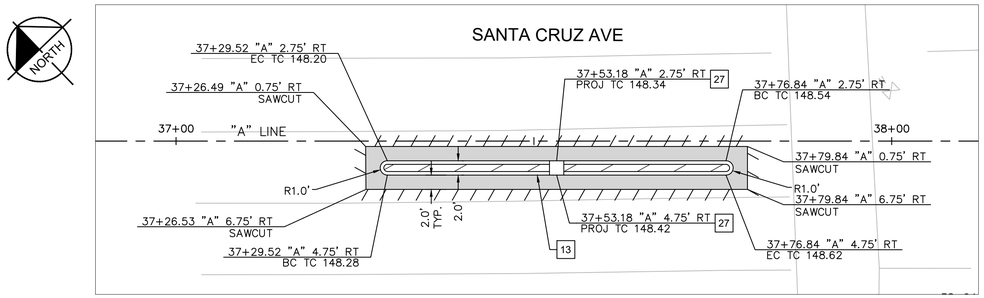
- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 7 SEE SS SHEETS FOR DETAILS.
- 10 TS EQUIPMENT. SEE TS SHEETS FOR DETAILS.
- 13 A1-8 CURB PER CALTRANS 2018 STANDARD PLANS A87A.
- 22 3" MOUNTABLE CURB PER DETAIL ON SHEET CD-28.
- 27 MEDIAN CURB OPENING PER DETAIL ON SHEET CD-28.

DEMOLITION & UTILITY NOTES

- 1 EXISTING TO REMAIN.
- 5 RELOCATE.

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

APPROVED DATE:		DESIGNED BY: CLH/ASP/HW	RAISED MEDIAN (VARIOUS LOCATIONS) CONSTRUCTION DETAILS
SIGNATURE		CHECKED BY: JP	SCALE: AS SHOWN
JOHN PULLIAM		DRAWN BY: SD/KS	DATE: 7/22/2022
KIMLEY-HORN			FILE NO.: E5043
R.C.E. # 68897 / EXPIRES 09-30-2023	REVISION / DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4	CD-18 SHEET 30 OF 67



PALO ALTO WAY AT SANTA CRUZ AVE
MEDIAN CONSTRUCTION DETAILS

SAND HILL ROAD AT SANTA CRUZ AVE
MEDIAN CONSTRUCTION DETAIL

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

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- COBBLESTONE TREATMENT
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
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CONSTRUCTION NOTES

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

27 MEDIAN CURB OPENING PER DETAIL ON SHEET CD-28.

GRAPHIC SCALE IN FEET
0 5 10 20

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

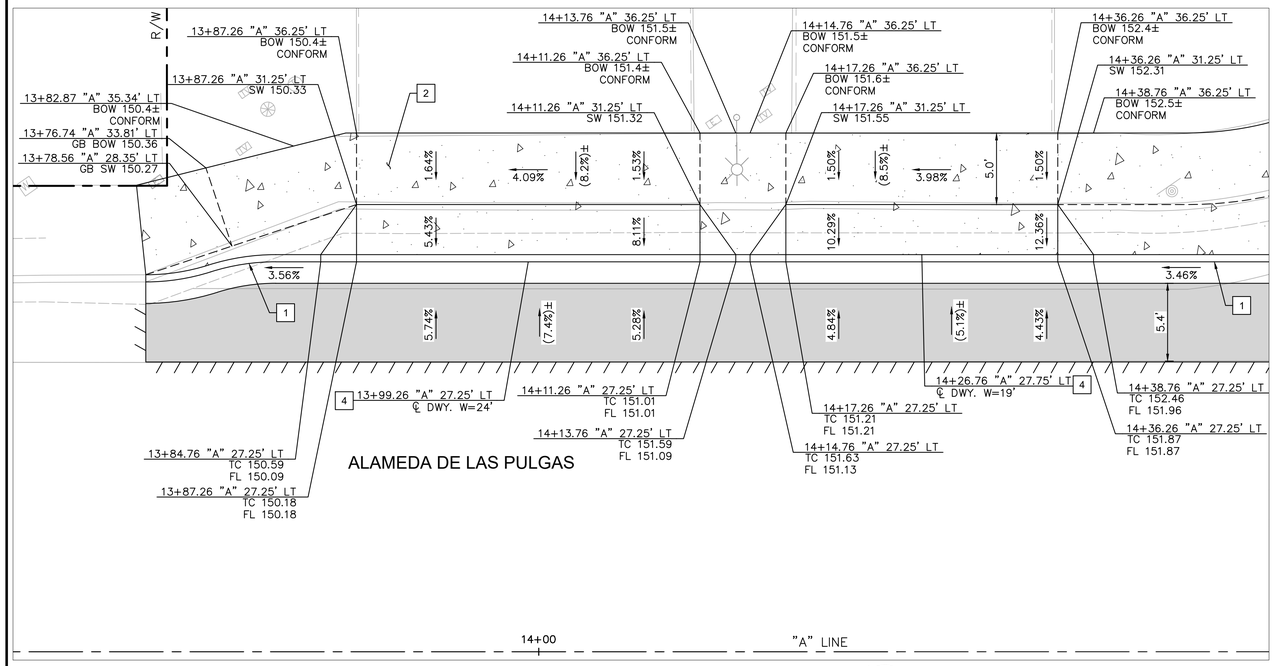
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		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

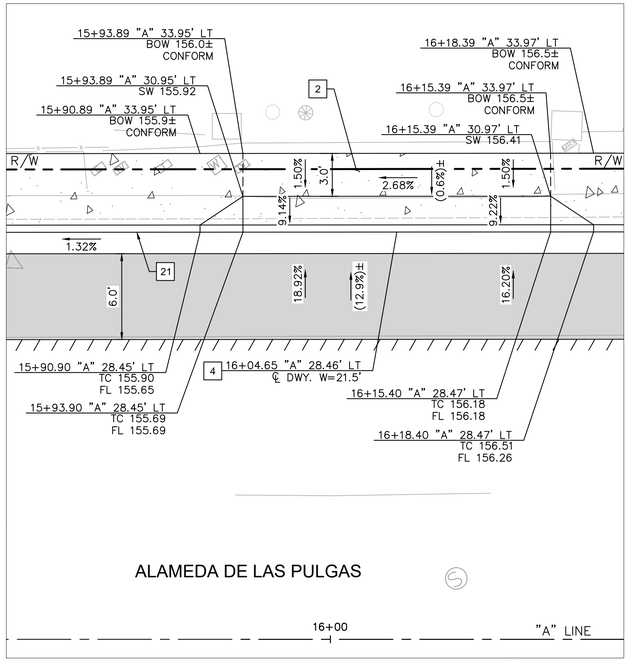
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-19
SHEET 31 OF 67

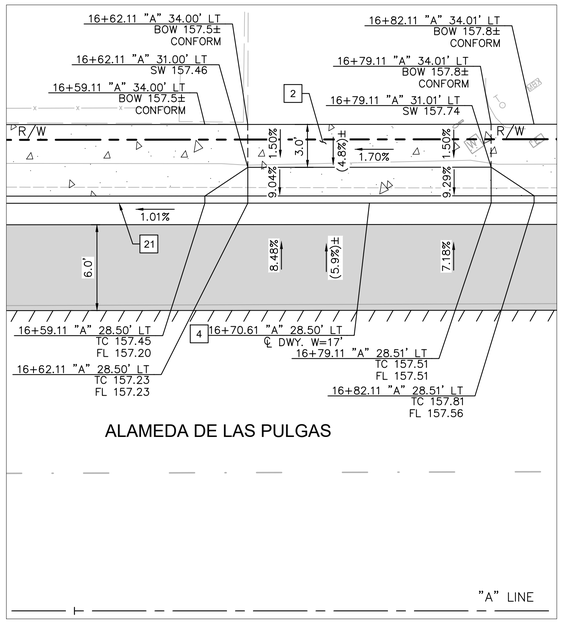
FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-16.DWG (19 CD-19)



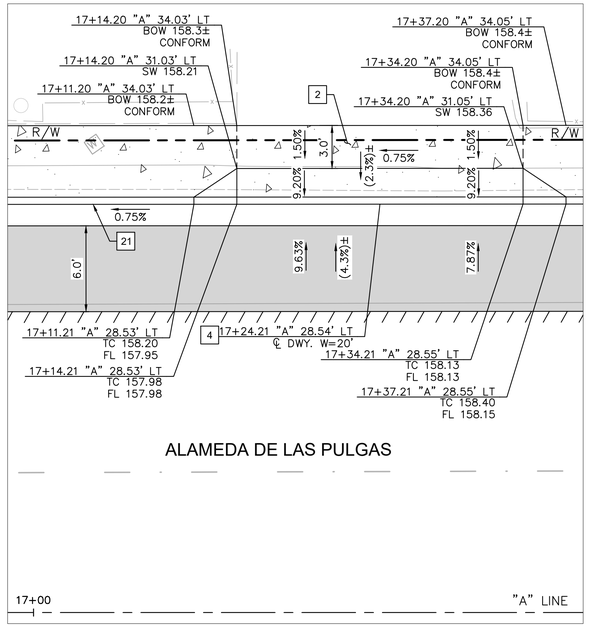
DRIVEWAY #1 AND #2
DRIVEWAY CONSTRUCTION DETAIL



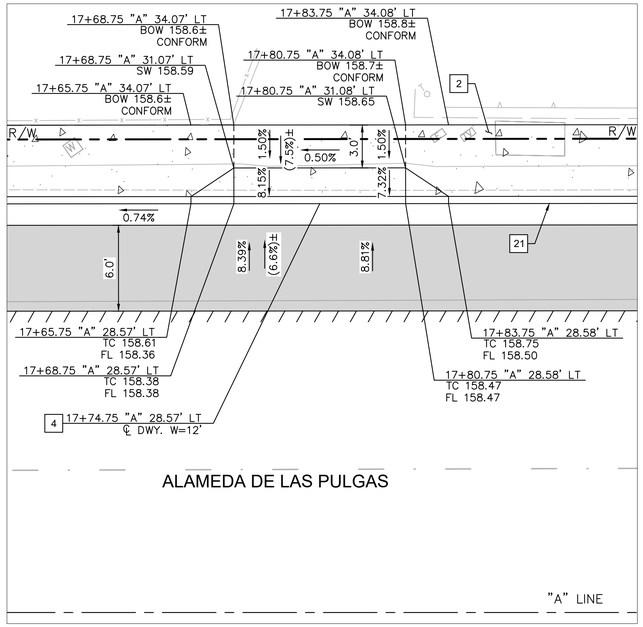
DRIVEWAY #3
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #4
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #5
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #6
DRIVEWAY CONSTRUCTION DETAIL

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

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11. SEE PV SHEETS FOR UTILITY ADJUSTMENT DETAILS.

CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
21. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (32 CD-20)

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

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

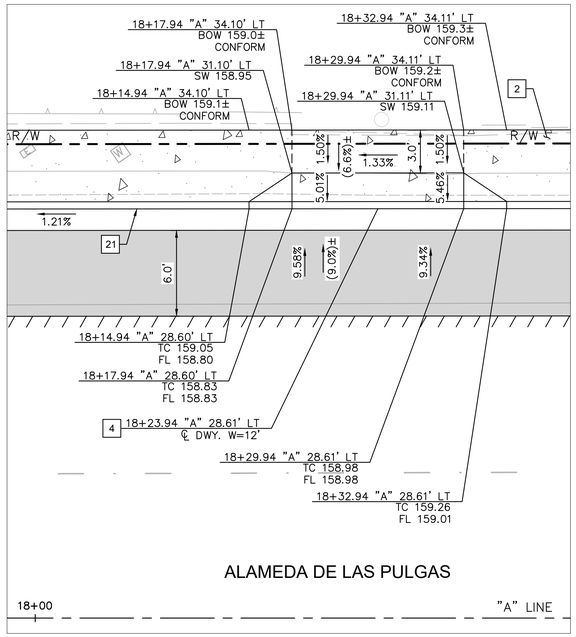
COUNTY OF SAN MATEO
PUBLIC WORKS

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

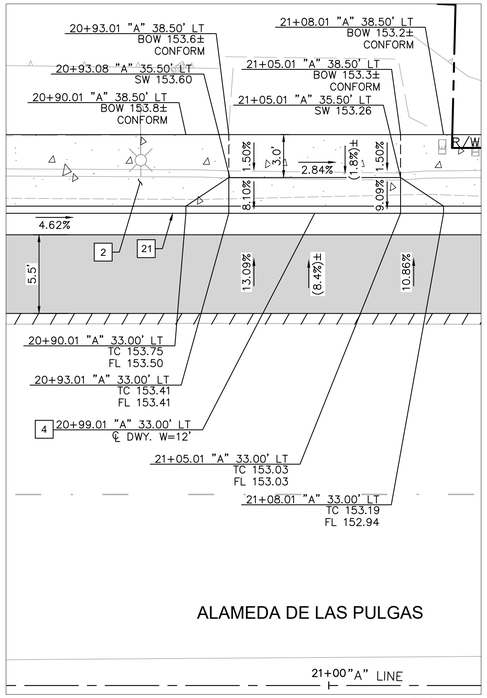
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

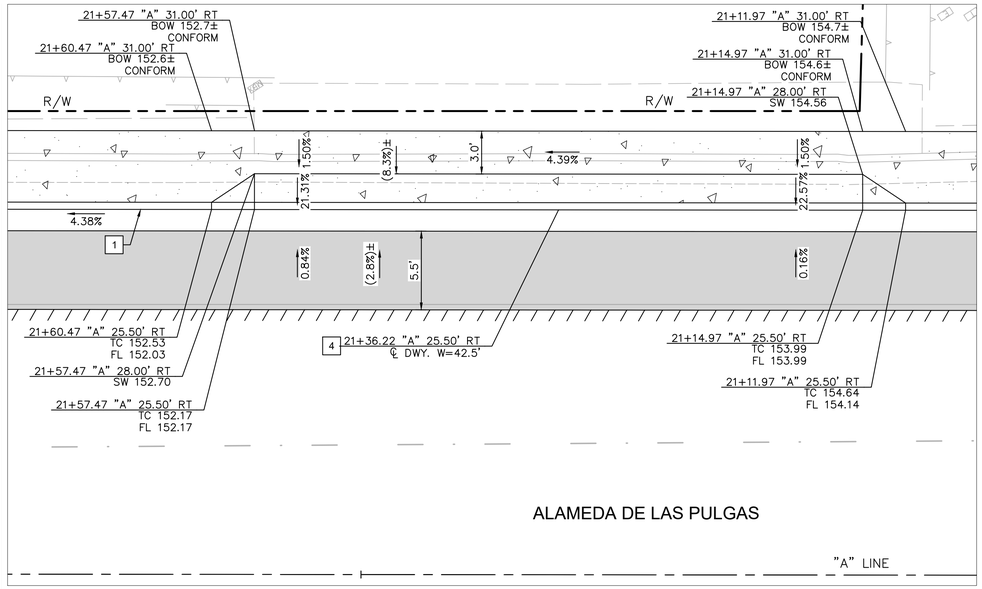
CD-20
SHEET 32 OF 67



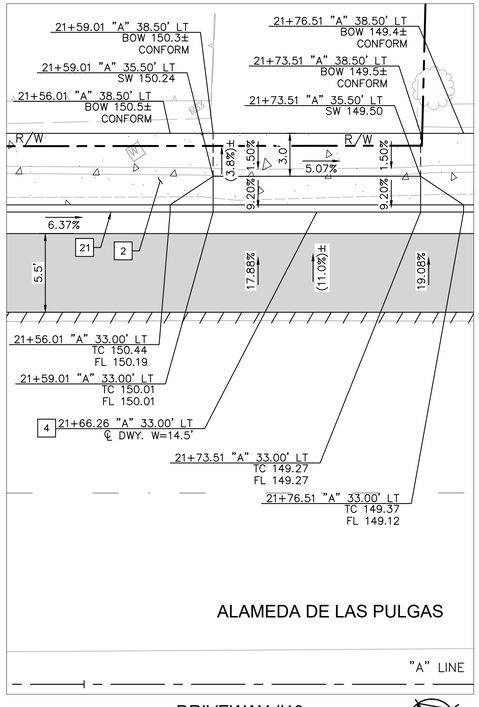
DRIVEWAY #7
DRIVEWAY CONSTRUCTION DETAIL



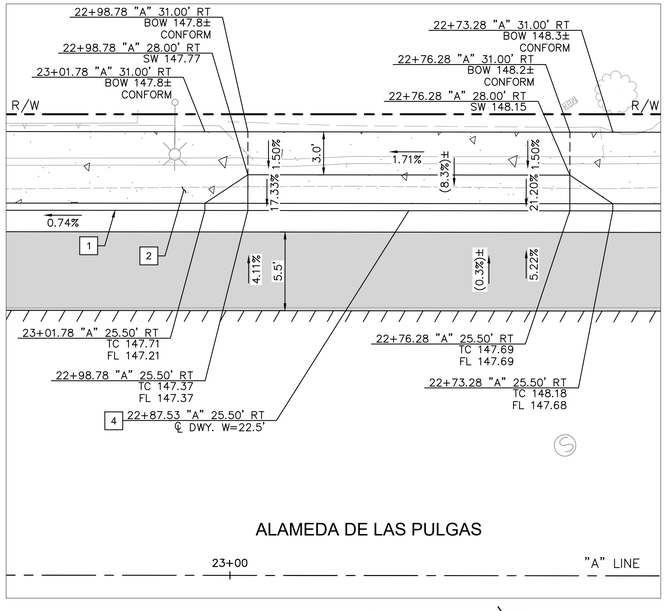
DRIVEWAY #8
DRIVEWAY CONSTRUCTION DETAIL



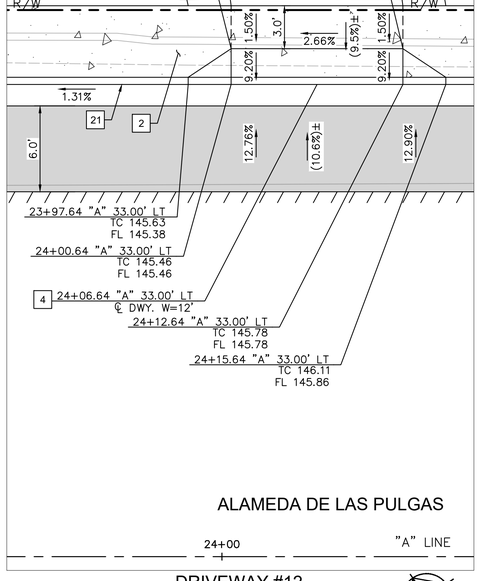
DRIVEWAY #9
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #10
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #11
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #12
DRIVEWAY CONSTRUCTION DETAIL

GRAPHIC SCALE IN FEET
0 ### # ##

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

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CONSTRUCTION NOTES

1. 6" CURB AND GUTTER PER COUNTY OF SAN MATEO STD DRAWING D-3.
2. SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
4. DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
21. MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

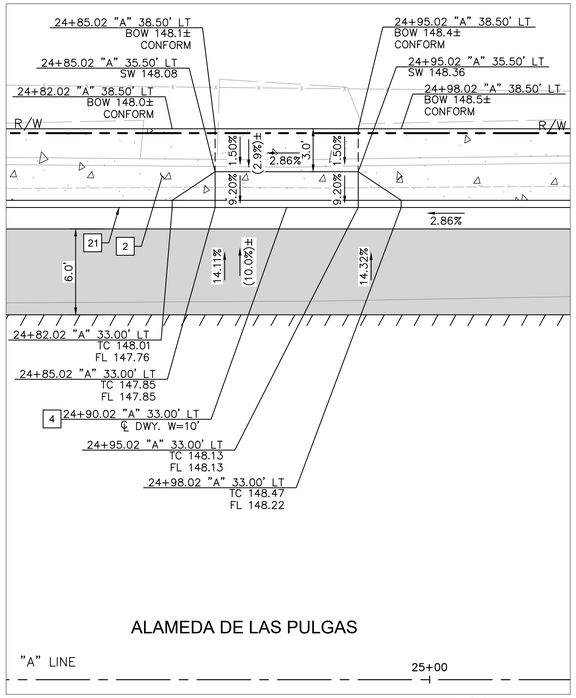
COUNTY OF SAN MATEO PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP /HW	DRIVEWAY DETAILS CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

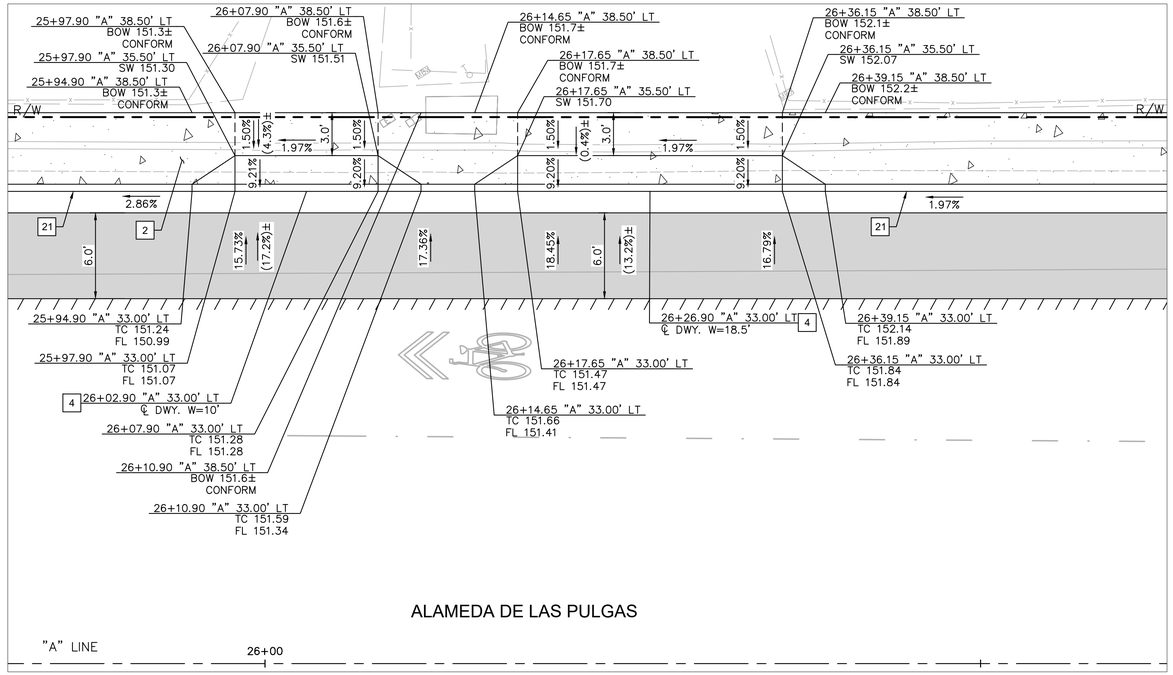
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-21
SHEET 33 OF 67

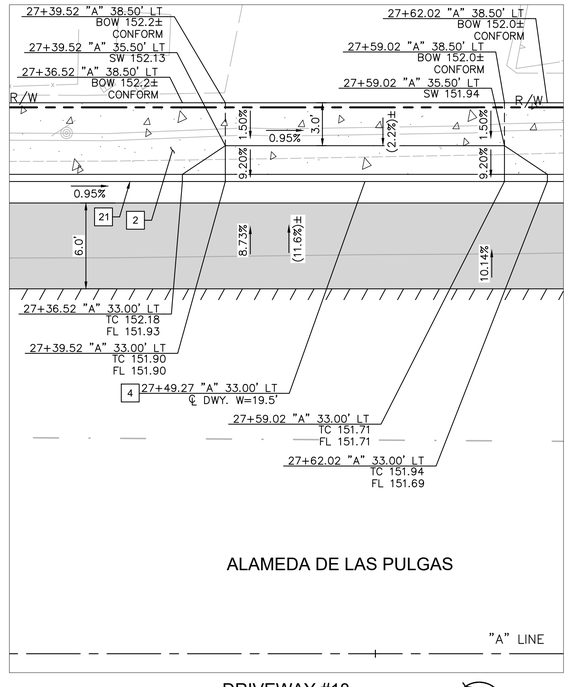
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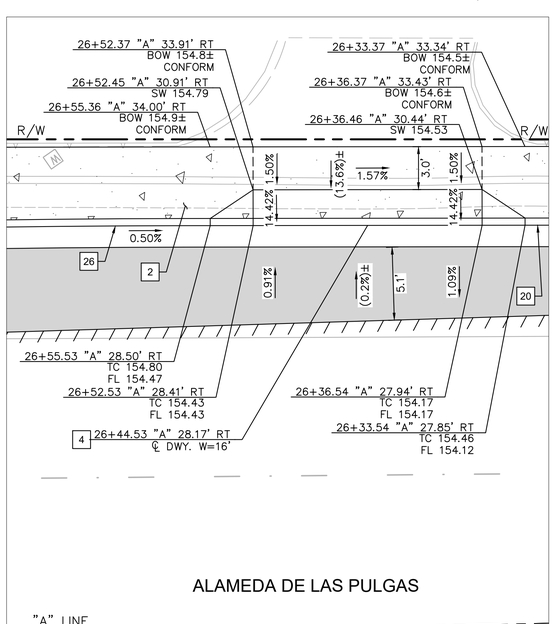
DRIVEWAY #13
DRIVEWAY CONSTRUCTION DETAIL



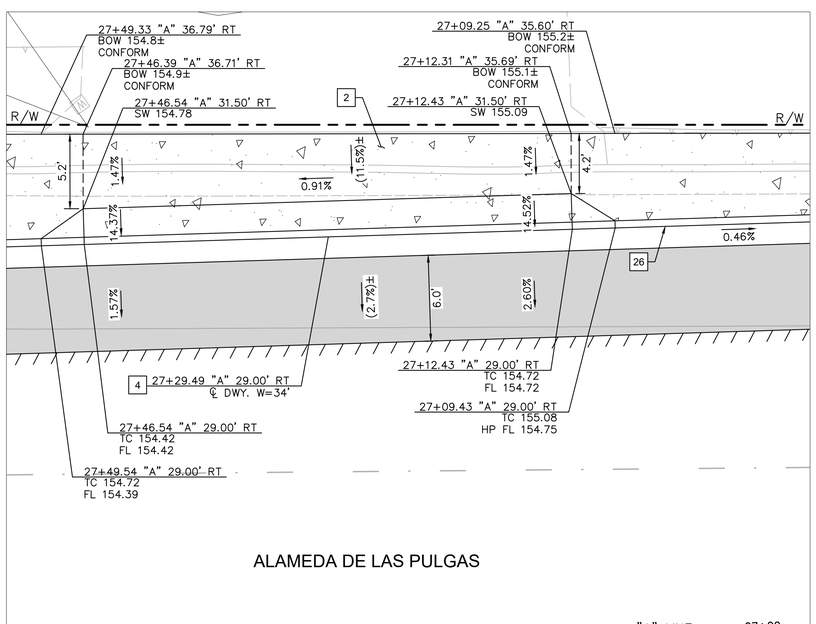
DRIVEWAY #14 AND #15
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #18
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #16
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #17
DRIVEWAY CONSTRUCTION DETAIL

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% — PROPOSED GRADE
- (X.XX%) — EXISTING GRADE

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CONSTRUCTION NOTES

- 2 SIDEWALK PER COUNTY OF SAN MATEO STD DRAWING D-3.
- 4 DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.
- 20 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4".
- 21 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 3".
- 26 MODIFIED CURB AND GUTTER PER COUNTY OF SAN MATEO DRAWING D-3. CURB HEIGHT TO BE 4" AND SPILL GUTTER PAN CROSS SLOPE TO BE 2% TOWARDS ROADWAY.

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

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

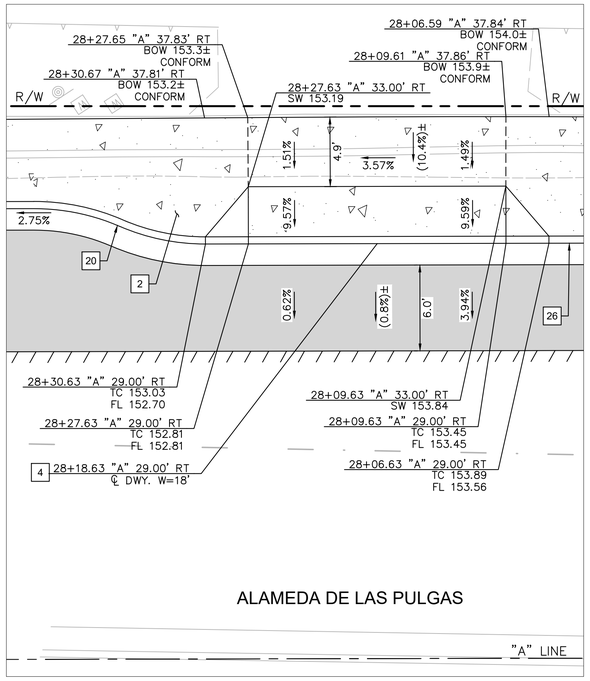
COUNTY OF SAN MATEO — PUBLIC WORKS

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

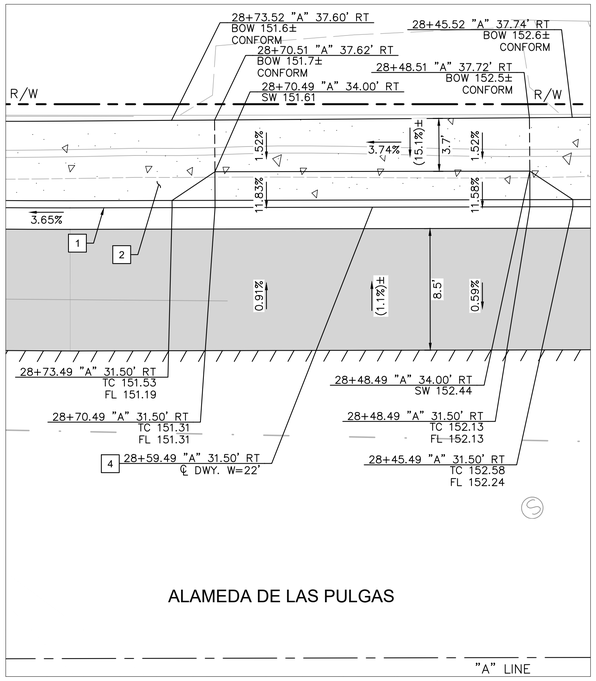
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CD-22
SHEET 34 OF 67

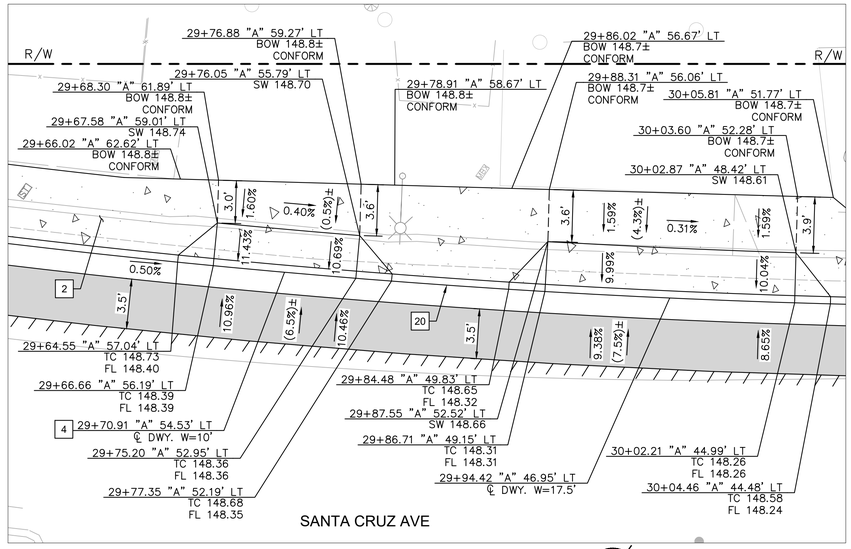
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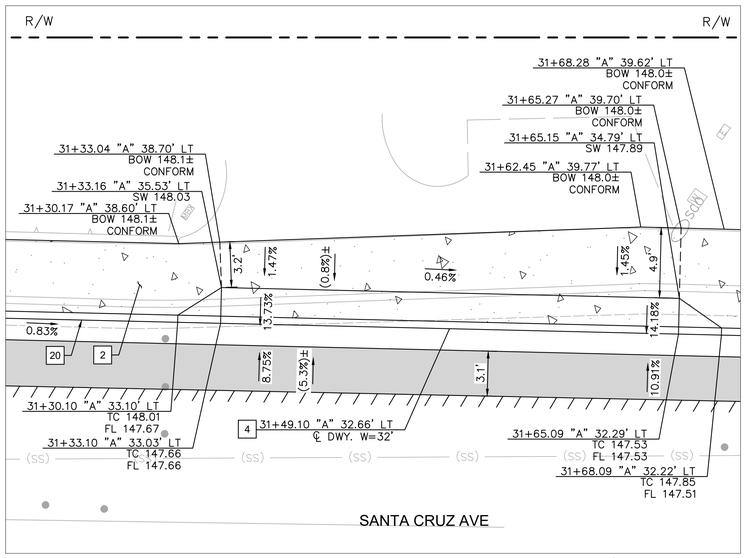
DRIVEWAY #19
DRIVEWAY CONSTRUCTION DETAIL



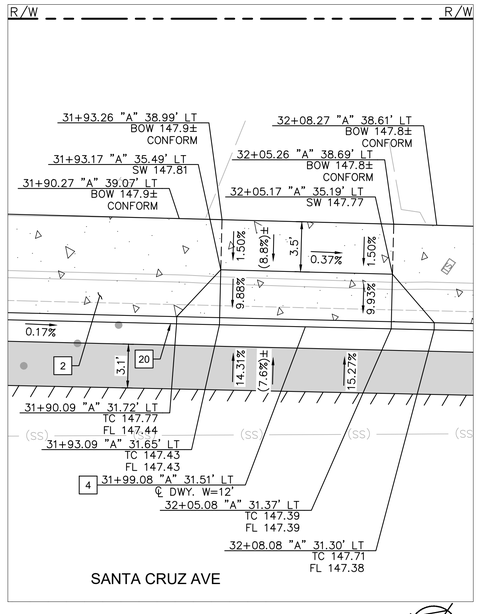
DRIVEWAY #20
DRIVEWAY CONSTRUCTION DETAIL



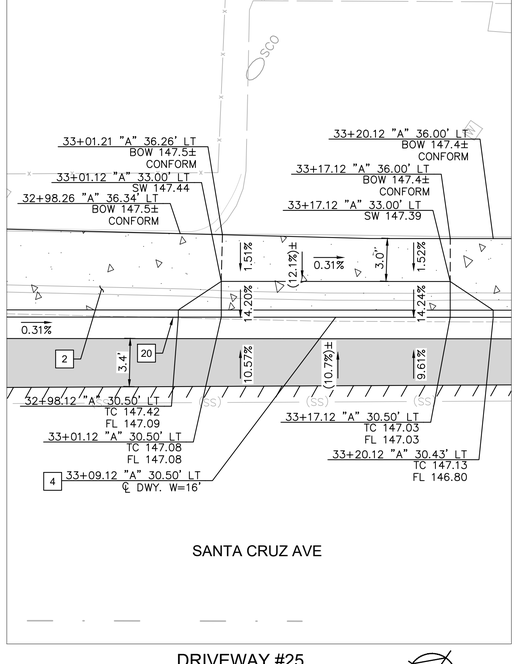
DRIVEWAY #21 AND #22
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #23
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #24
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #25
DRIVEWAY CONSTRUCTION DETAIL

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
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GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

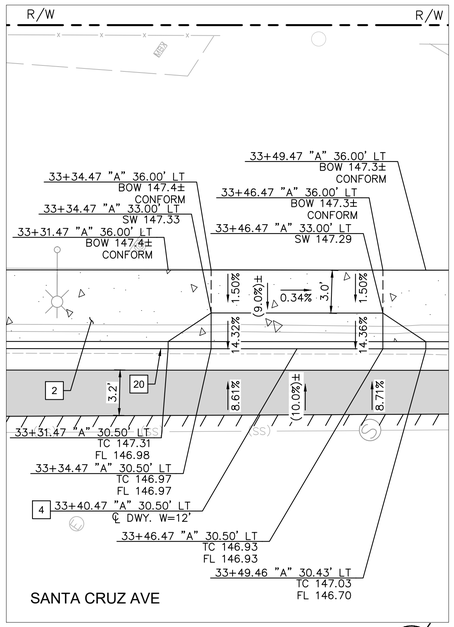
JOHN PULLIAM

KIMLEY-HORN

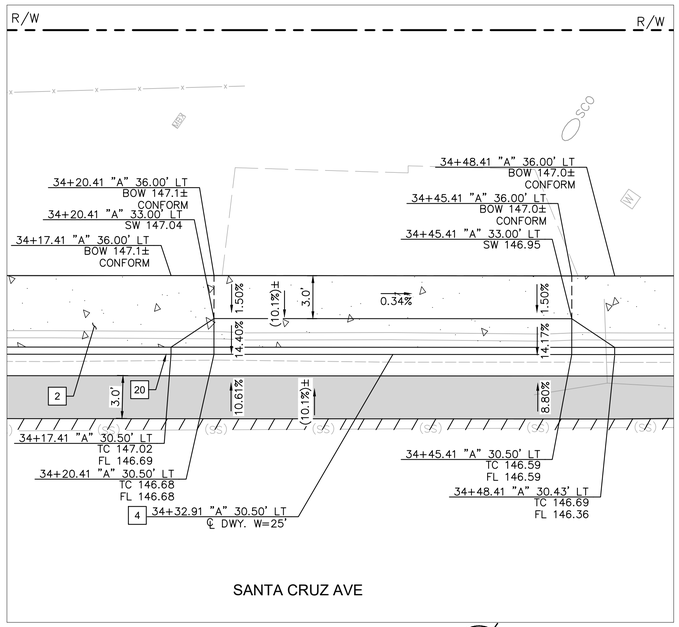
R.C.E. # 68897 / EXPIRES 09-30-2023

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	DRIVEWAY DETAILS CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO		555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4		CD-23 SHEET 35 OF 67

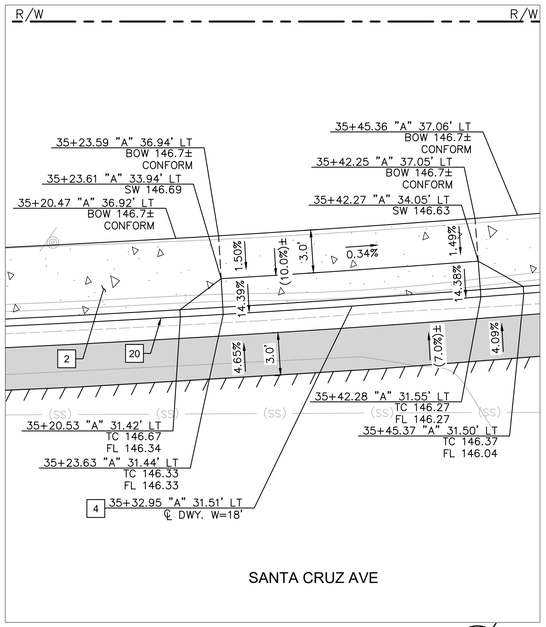
FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - #V108 CADD\PLANSHEETS\CD-20.DWG (35 CD-23)



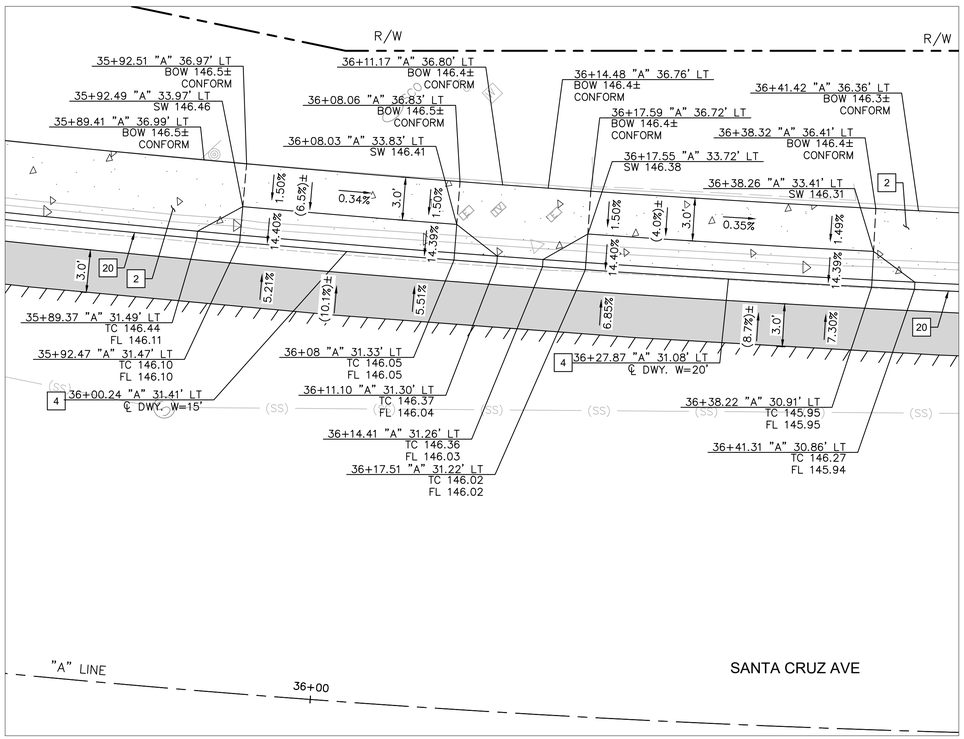
DRIVEWAY #26
DRIVEWAY CONSTRUCTION DETAIL



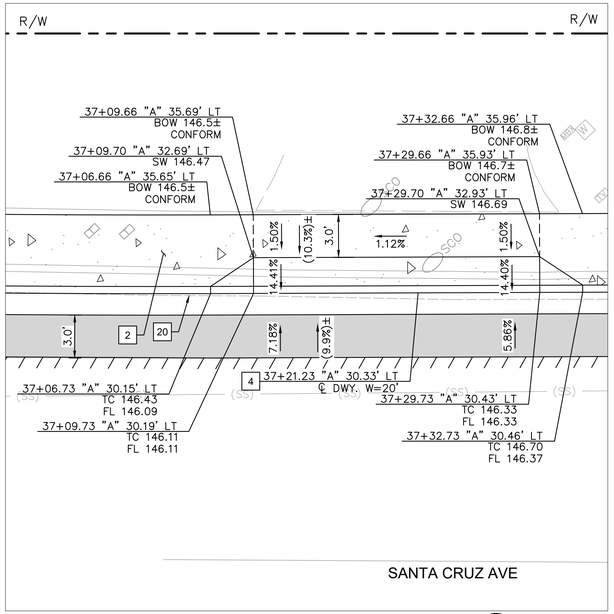
DRIVEWAY #27
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #28
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #29 AND #30
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #31
DRIVEWAY CONSTRUCTION DETAIL

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

APPROVED:

DATE: _____

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

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- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
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4 DRIVEWAY PER COUNTY OF SAN MATEO DRAWING D-1.

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

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (36 CD-24)

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

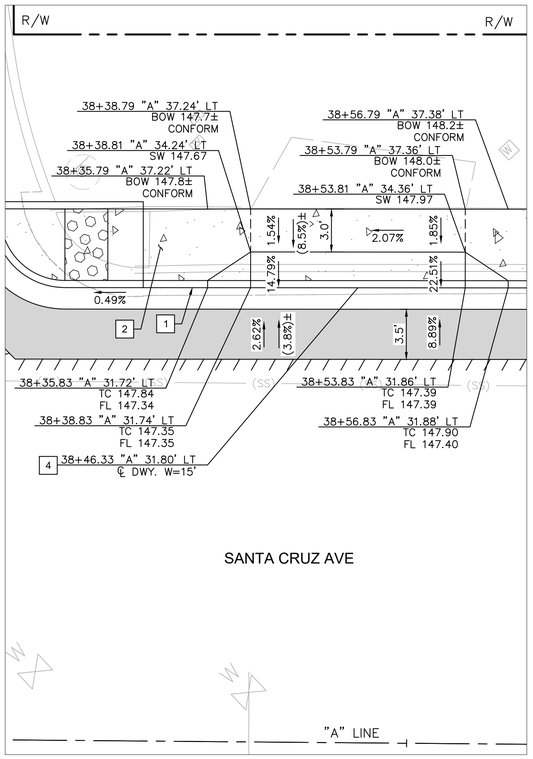
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

COUNTY OF SAN MATEO
PUBLIC WORKS

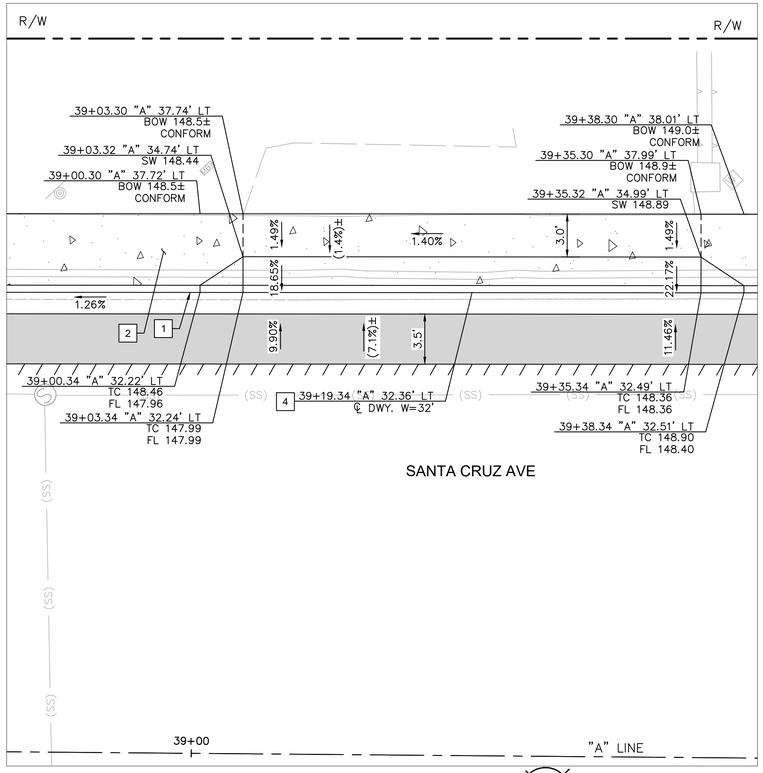
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	DRIVEWAY DETAILS CONSTRUCTION DETAILS
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

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

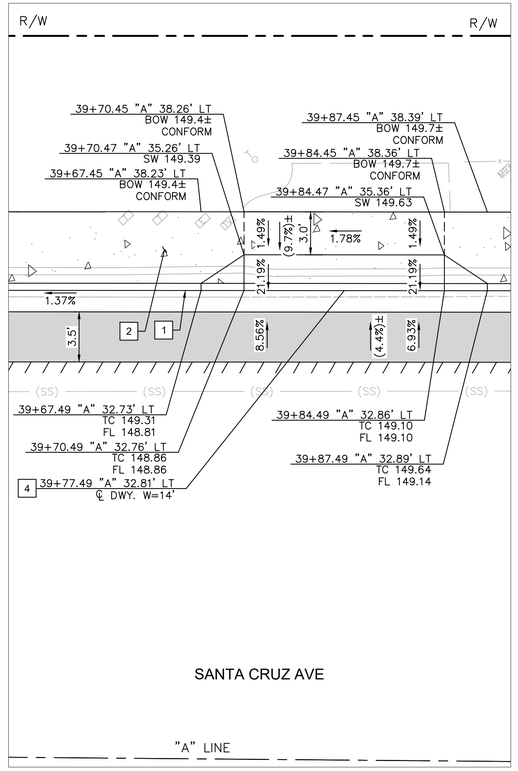
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DATE:	7/22/2022
FILE NO.:	E5043
	CD-24
	SHEET 36 OF 67



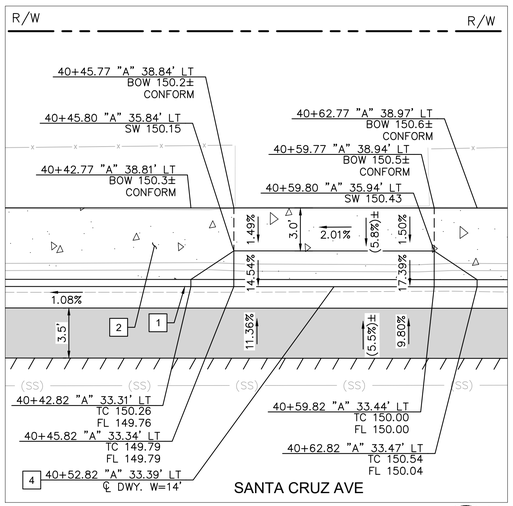
DRIVEWAY #32
DRIVEWAY CONSTRUCTION DETAIL



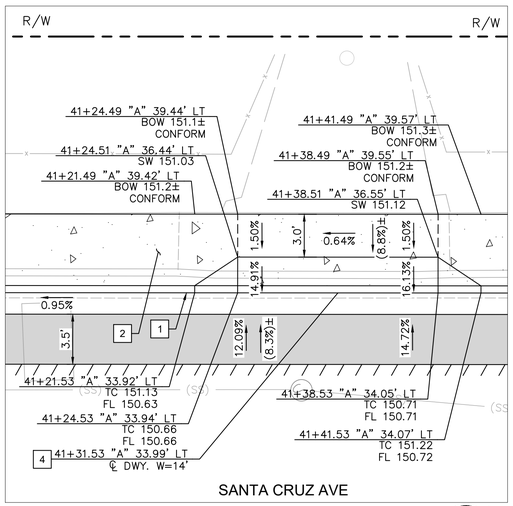
DRIVEWAY #33
DRIVEWAY CONSTRUCTION DETAIL



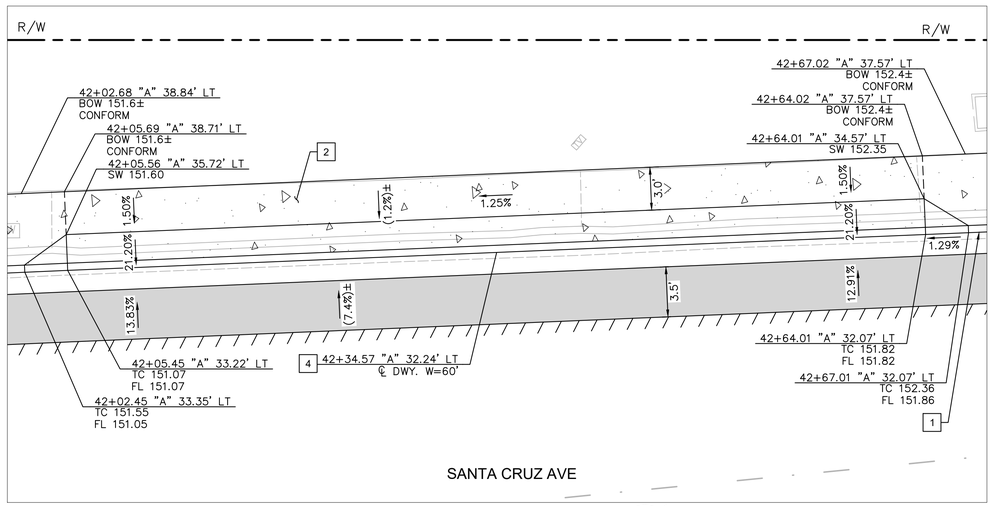
DRIVEWAY #34
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #35
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #36
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #37
DRIVEWAY CONSTRUCTION DETAIL

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

APPROVED:

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LEGEND

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

CONSTRUCTION NOTES

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

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (37 CD-25)

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

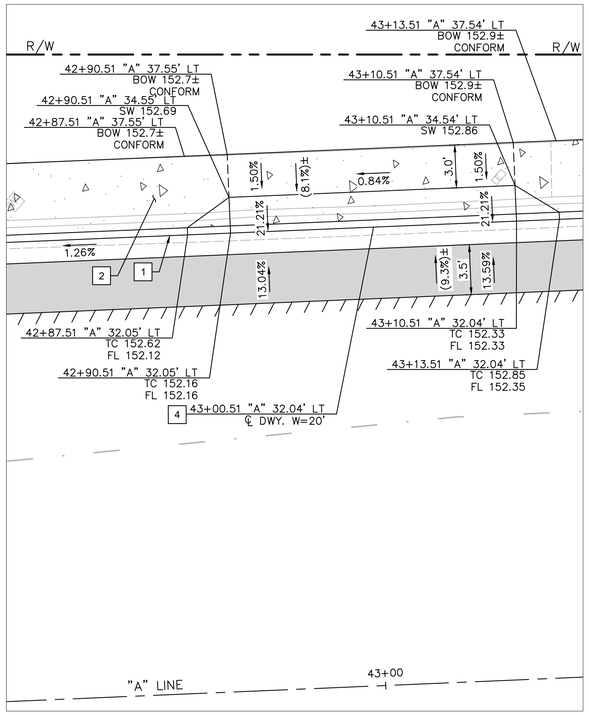
COUNTY OF SAN MATEO
PUBLIC WORKS

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

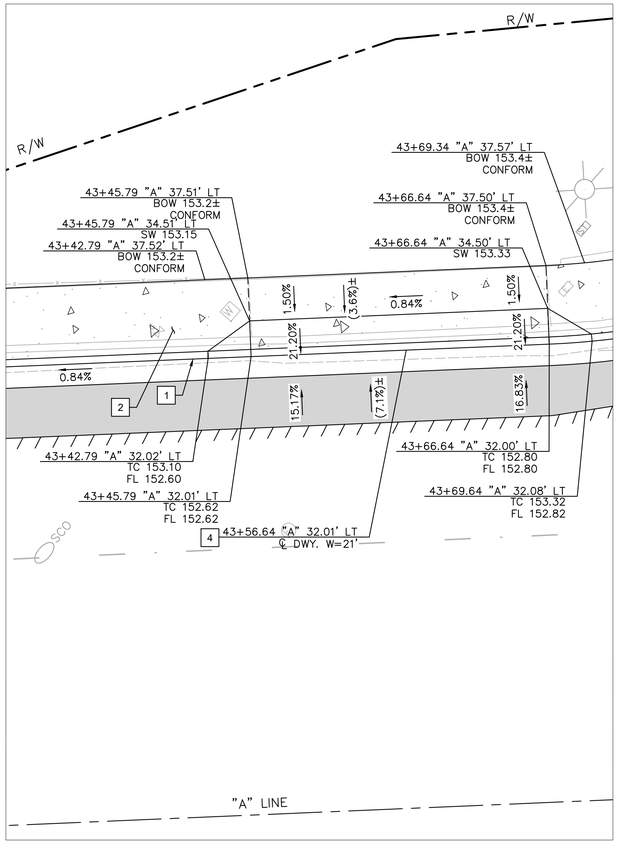
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

CD-25
SHEET 37 OF 67



DRIVEWAY #38
DRIVEWAY CONSTRUCTION DETAIL



DRIVEWAY #39
DRIVEWAY CONSTRUCTION DETAIL

APPROVED:

DATE: _____

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

LEGEND

- HMA PAVEMENT (12" DEPTH)
- PCC SIDEWALK
- DETECTABLE WARNING SURFACE
- STAMPED CONCRETE
- AC SAWCUT
- GRADE BREAK
- RIGHT OF WAY
- X.XX% PROPOSED GRADE
- (X.XX%) EXISTING GRADE

NOTES

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CONSTRUCTION NOTES

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

GRAPHIC SCALE IN FEET
0 2.5 5 10

90% DESIGN
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APPROVED DATE:	
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JOHN PULLIAM	
KIMLEY-HORN	
R.C.E. # 68897 / EXPIRES 09-30-2023	

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

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

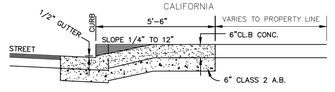
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DATE:	7/22/2022
FILE NO.:	E5043
	CD-26
	SHEET 38 OF 67

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-20.DWG (38 CD-26)

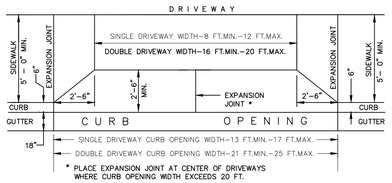
SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P.
CHECK BY: J.A.L.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 4/97



SECTION



PLAN



ELEVATION

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

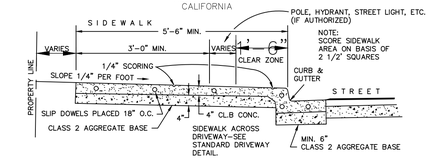
STANDARD STRUCTURES
DRIVEWAY WIDTHS AND CURB OPENINGS FOR SINGLE FAMILY RESIDENTIAL DWELLINGS

D-1

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

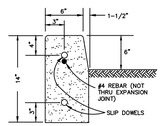
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CHECK BY: J.A.L.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 4/97

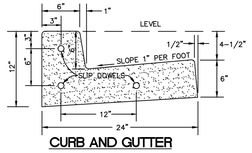


TYPICAL SECTION
URBAN CURB, GUTTER AND SIDEWALK

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



A1-6 CURB



CURB AND GUTTER

TYPICAL SECTIONS

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

D-3

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P.
CHECK BY: J.A.L.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 7/97
REVISED:

GENERAL NOTES

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

SIDEWALK ACCESS RAMP FOR SIDEWALKS LESS THAN 6' WIDE

NO SCALE

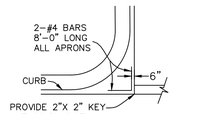
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D-4A

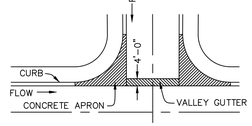
SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: D.P.
CHECK BY: J.A.L.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 7/97
REVISED:

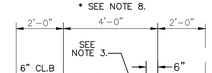


CONCRETE APRON

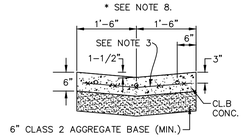


VALLEY GUTTER INTERSECTION PLAN

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



CONCRETE VALLEY GUTTER
AT STREET INTERSECTION



CONCRETE VALLEY GUTTER
AT NON-STREET INTERSECTION LOCATIONS

VALLEY GUTTER DETAILS

D-5

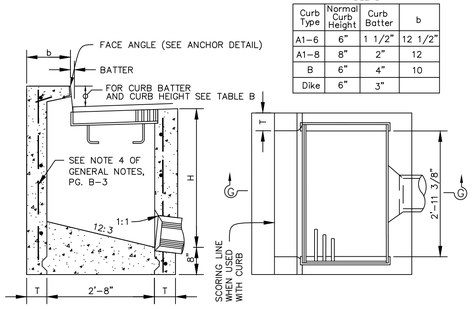
SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: A.G.M.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

SCALE: NONE
DATE: 6/95
REVISED: 4/97

TABLE B

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



SECTION G-G

PLAN

INLET TYPE GO

CATCH BASIN QUANTITY TABLE

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

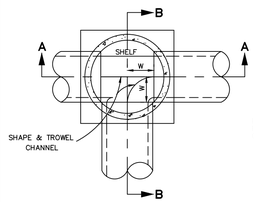
TABLE BASED ON 8" FLOOR SLAB, NO DEDUCTION FOR PIPE OPENINGS, AND CURB TYPE GIVING HIGHEST QUANTITY OF CONCRETE. NO DEDUCTIONS OR ADJUSTMENTS ARE TO BE MADE TO THESE QUANTITIES BECAUSE OF PIPE OPENINGS, DIFFERENT FLOOR ALTERNATIVES OR DIFFERENT CURB TYPE.

B-1

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: B.M.A.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

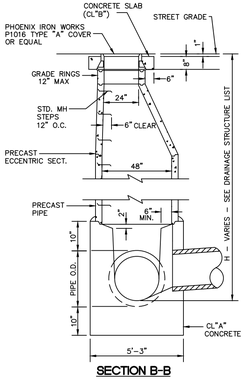
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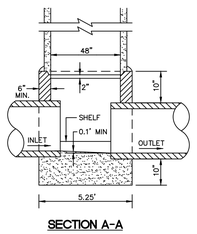


PLAN

PIPE SIZE	W
15	22"
18	21"
21	20"
24	19"
27	18"

TABLE 1





SECTION A-A

SECTION B-B

STANDARD STORM DRAIN MANHOLE

NO SCALE

B-10

SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS
REDWOOD CITY CALIFORNIA

DRAWN BY: N.M.A.
CHECK BY: R.L.F.
APPROVED BY: N.R.C.

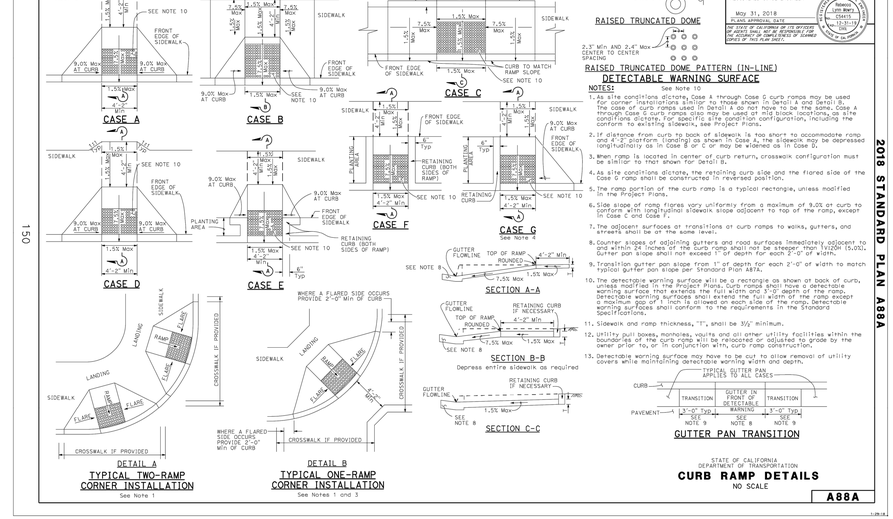
SCALE: NONE
DATE: 6/95
REVISED:

GENERAL NOTES:

1. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTLET PIPE FLOW LINE AND THE NORMAL GUTTER GRADE LINE UNDEPRESSED AT THE CURB FACE.
2. FOR "T" WALL THICKNESS SEE TABLE.
3. HEIGHT OF CURB OPENING WILL VARY WITH THE TYPE OF CURB AND THE DEPTH OF THE LOCAL DEPRESSION.
4. WALL REINFORCING NOT REQUIRED WHEN H = 8' OR LESS AND THE UNSUPPORTED WIDTH OR LENGTH = 7' OR LESS. WALLS EXCEEDING THESE LIMITS SHALL BE REINFORCED WITH #4 BARS @ 18"+/- CENTERS PLACED 1-1/2" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
5. STEPS - NONE REQUIRED WHERE "H" IS LESS THAN 30 INCHES. WHERE "H" IS 30 INCHES OR MORE, INSTALL STEPS WITH LOWEST RUNG 12 INCHES ABOVE THE FLOOR, AND HIGHEST RUNG NOT MORE THAN 6 INCHES BELOW TOP OF INLET. THE DISTANCE BETWEEN STEPS SHALL NOT EXCEED 12 INCHES AND SHALL BE UNIFORM THROUGHOUT THE LENGTH OF WALL. PLACE STEPS IN THE WALL WITHOUT AN OPENING. STEP INSERTS MAY BE SUBSTITUTED FOR THE BAR STEPS. STEP INSERTS SHALL COMPLY WITH STATE INDUSTRIAL SAFETY REQUIREMENTS.
6. WHEN SHOWN ON THE PROJECT PLANS, PLACE A #6 PROTECTION BAR HORIZONTALLY ACROSS THE ENTIRE LENGTH OF THE OPENING AND BEND BACK 4" INTO THE INLET WALL ON EACH SIDE.
7. CURB SUPPORTS SHALL BE EVENLY SPACED AND MINIMAL IN NUMBER SUCH THAT MAXIMUM SPAN OF UNSUPPORTED CURB IS 7'.
8. EXCEPT FOR INLETS USED AS JUNCTION BOXES, BASIN FLOOR SHALL HAVE A MINIMUM SLOPE OF 12:3 FROM ALL DIRECTIONS TOWARD OUTLET PIPE AND SHALL HAVE A WOOD TROWEL FINISH.
9. GALVANIZING: SEE STANDARD SPECIFICATION OR SPECIAL PROVISIONS.
10. SEE STANDARD PLAN D78 FOR DEPRESSION DETAILS.
11. FULL PENETRATION BUTT WELDS MAY BE SUBSTITUTED FOR THE FILLET WELDS ON ALL ANCHORS.
12. STANDARD SQUARE, HEXAGON, ROUND OR EQUIVALENT HEADED ANCHORS MAY BE SUBSTITUTED FOR THE RIGHT ANGLE HOOKS ON THE ANCHORS SHOWN ON THIS PLAN.
13. CAST-IN-PLACE OR PRECAST ALTERNATIVE IS OPTIONAL WITH CONTRACTOR. SEE STANDARD SPECIFICATIONS.

STORM DRAINAGE INLETS

B-3



2018 STANDARD PLAN A88A

150

Return to Table of Contents

APPROVED:

DATE:

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

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

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
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CIVIL
STATE OF CALIFORNIA

90% DESIGN
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COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE

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

COUNTY STANDARD DETAILS
CONSTRUCTION DETAILS

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

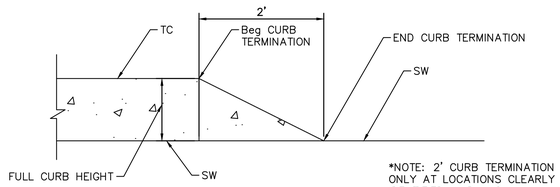
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

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

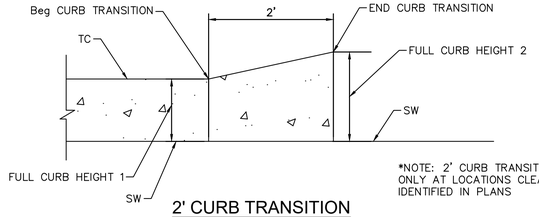
CD-27
SHEET 39 OF 67

FILENAME: K:\BAY_ROW\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-27.DWG (39 CD-27)



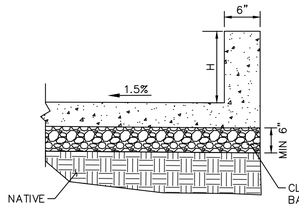
*NOTE: 2' CURB TERMINATION ONLY AT LOCATIONS CLEARLY IDENTIFIED IN PLANS

2' CURB TERMINATION
NTS

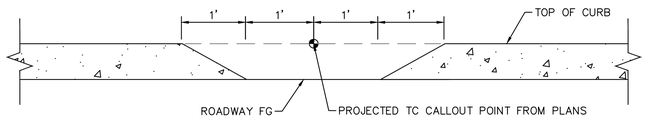


*NOTE: 2' CURB TRANSITIONS ONLY AT LOCATIONS CLEARLY IDENTIFIED IN PLANS

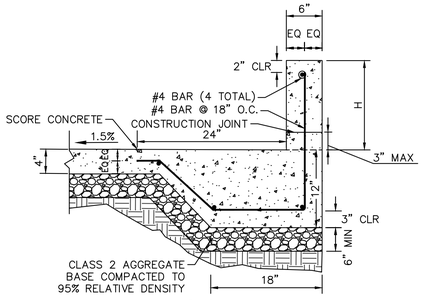
2' CURB TRANSITION
NTS



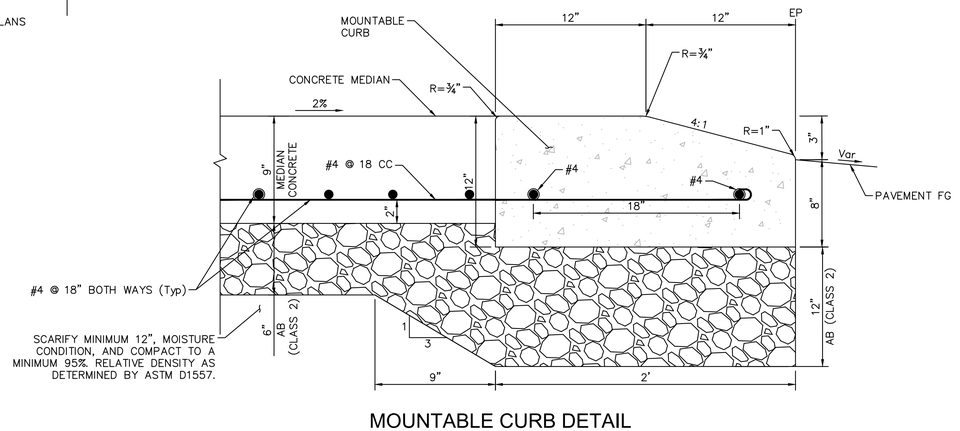
RETAINING CURB DETAIL
H < 12"
NTS



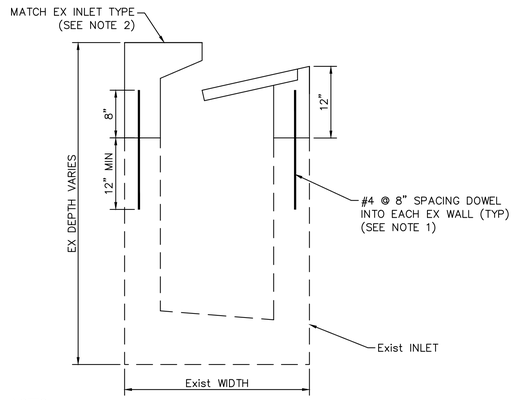
MEDIAN CURB OPENING DETAIL
NTS



RETAINING CURB DETAIL
H > 12" (MAX 2.5')
NTS



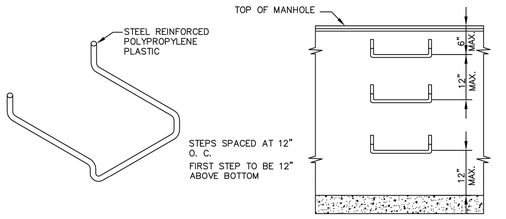
MOUNTABLE CURB DETAIL
NTS



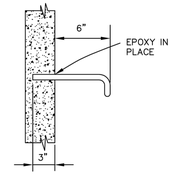
NOTES

1. DOWELS SHALL BE PLACED IN 3/4" DIAMETER, DRILLED HOLES WITH 1:1 SAND CEMENT GROUT OR EPOXY.
2. SEE BACKSIDE INLET DETAIL THIS SHEET OR COUNTY OF SAN MATEO STANDARD DRAWINGS B-1 TO B-9 FOR INLET TOP DETAILS NOT SHOWN (INCLUDING REINFORCEMENTS).

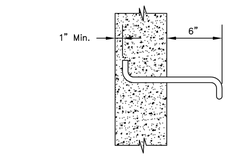
RECONSTRUCT INLET TOP DETAIL
NTS



STEP DETAIL



PRECAST WALL
STEPS SHALL BE CAST INTO WALL AT FACTORY

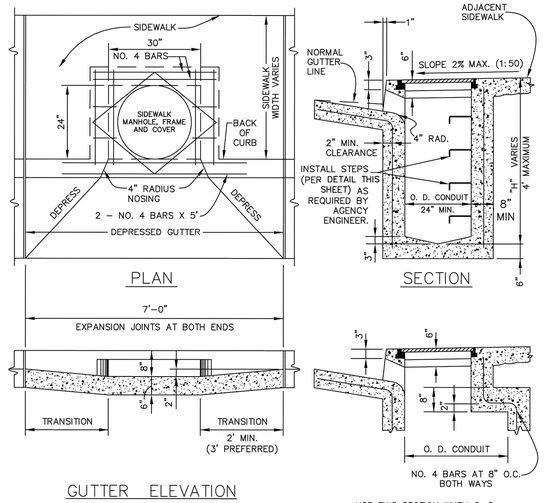


CAST IN PLACE WALL

MANHOLE FRAME AND COVER (INSTALLED IN SIDEWALK)
PHOENIX IRON WORKS P1016 TYPE "A" COVER OR APPROVED EQUAL

NOTE:
INSTALLATION OF STEPS SHALL BE AS REQUIRED BY AGENCY ENGINEER.
WHERE INSTALLED, STEPS SHALL BE STEEL REINFORCED POLYPROPYLENE PLASTIC. CENTRAL PRECAST CONCRETE CO. DWG. No. PS2-PF OR EQUIVALENT. STEPS TO BE CAST IN PLACE OR PRESS FITTED INTO PROVIDED HOLES AS PER MANUFACTURER. INSTALL STEPS WITH LOWEST RUNG 1'-0" ABOVE THE FLOOR AND HIGHEST RUNG NOT MORE THAN 6" BELOW TOP OF MANHOLE. THE SPACING BETWEEN STEPS SHALL NOT EXCEED 1'-0" AND SHALL BE UNIFORM THROUGHOUT THE LENGTH OF THE WALL. PLACE STEPS IN THE WALL WITHOUT A PIPE OPENING. NO STEPS REQUIRED WHERE HEIGHT FROM BOTTOM TO TOP OF MANHOLE IS LESS THAN 30".

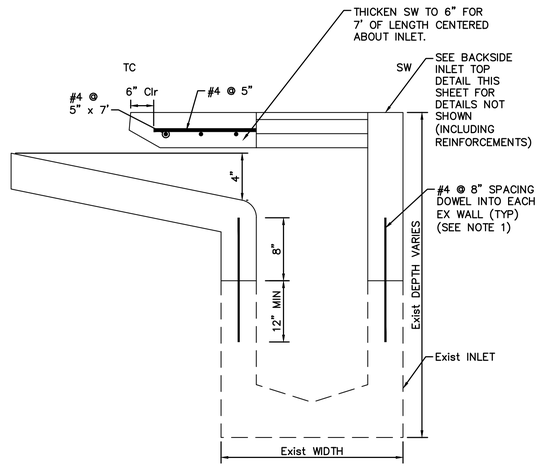
STEP AND MAHOLE CASTING DETAIL
NTS



NOTES

1. TOP SHALL BE CAST IN PLACE.
2. ADJACENT SIDEWALK SHALL BE POURED MONOLITHIC WITH TOP.

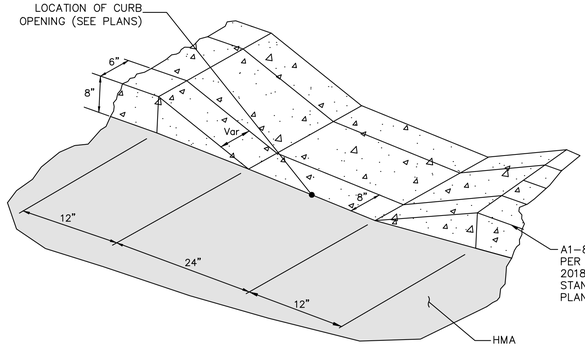
BACKSIDE INLET DETAIL
NTS



NOTES

1. DOWELS SHALL BE PLACED IN 3/4" DIAMETER, DRILLED HOLES WITH 1:1 SAND CEMENT GROUT OR EPOXY.

OFFSET BACKSIDE INLET DETAIL
NTS



MEDIAN CURB OPENING ISOMETRIC VIEW
NTS

APPROVED:

DATE: _____

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

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

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

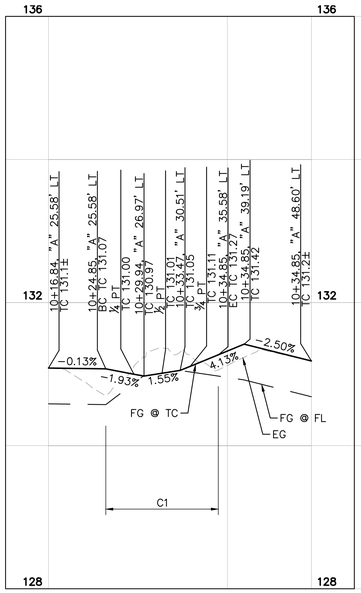
90% DESIGN FOR REVIEW ONLY JULY 2022

REVISION	DATE	DESIGNED BY: CLH/ASP /HW	COUNTY STANDARD DETAILS CONSTRUCTION DETAILS	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

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

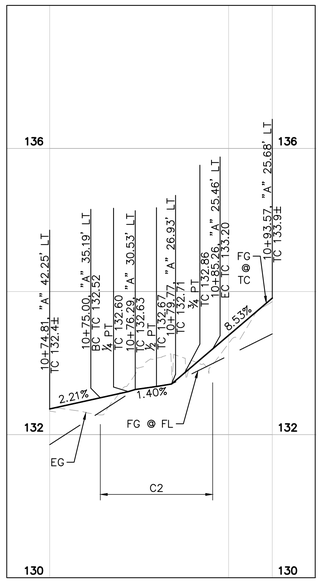
CD-28
SHEET 40 OF 67

FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CD-29.DWG (33 CD-21)



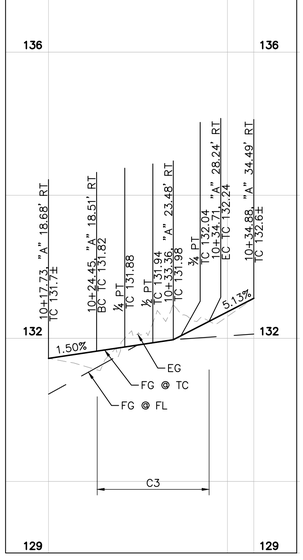
AVY AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

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



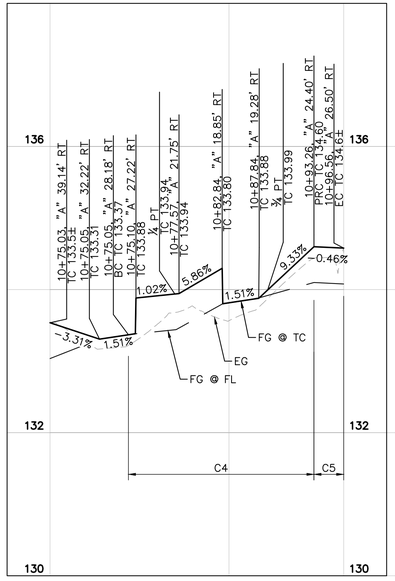
AVY AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

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



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

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



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

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	10.00'	15.71'	N79°41'58"E	14.14'	90°00'04"	10.00'
C2	10.00'	15.71'	S11°48'09"E	14.14'	90°00'00"	10.00'
C3	10.00'	15.71'	S11°48'09"E	14.14'	90°00'00"	10.00'
C4	9.50'	25.92'	S67°01'21"E	18.60'	156°19'54"	45.34'
C5	3.50'	4.15'	S22°49'47"E	3.91'	67°56'45"	2.36'

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

APPROVED:

DATE: _____

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

NOTES

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE	DESIGNED BY: CLH/ASP/HW	AVY AVE CURB RETURN PROFILES	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	

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

CR-01
SHEET 41 OF 67

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

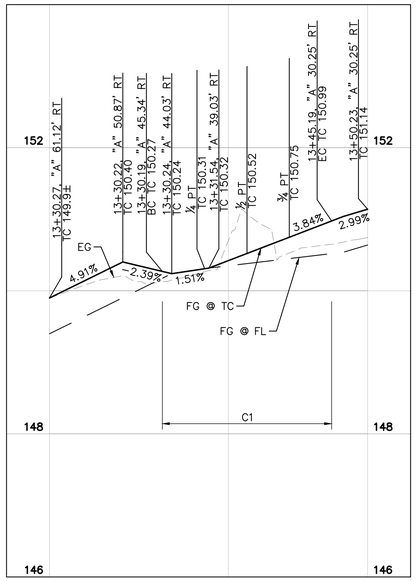
APPROVED:

DATE: _____

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

NOTES

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



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

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	23.65'	N79°32'04"E	21.28'	90°21'00"	15.09'

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

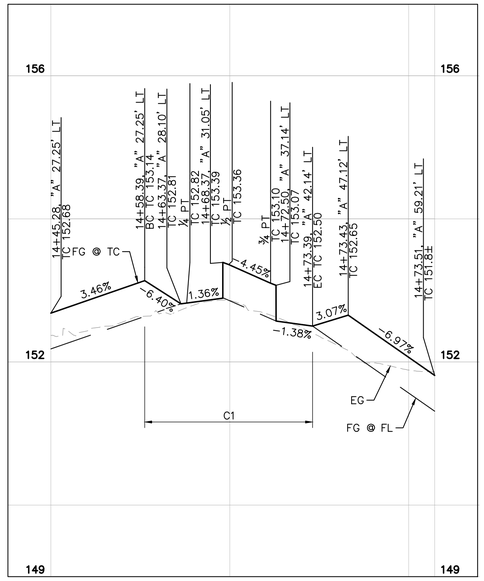
		DESIGNED BY: CLH/ASP /HW	HARKINS AVE
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

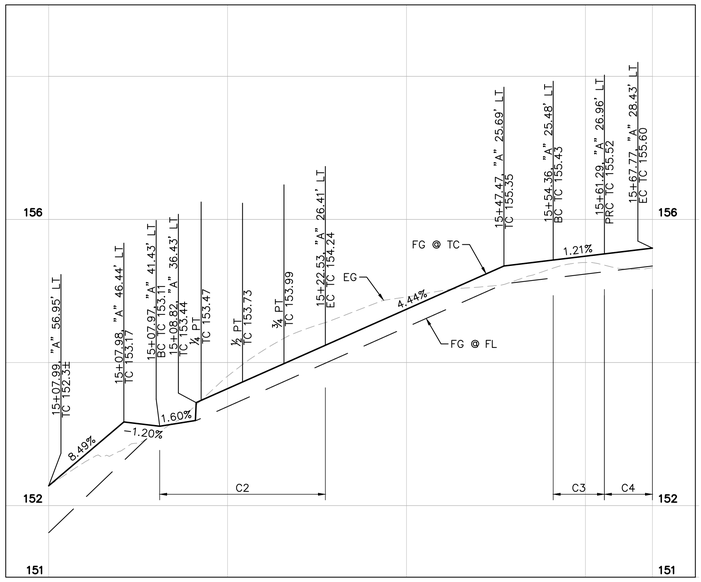
CR-02
SHEET 42 OF 67

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



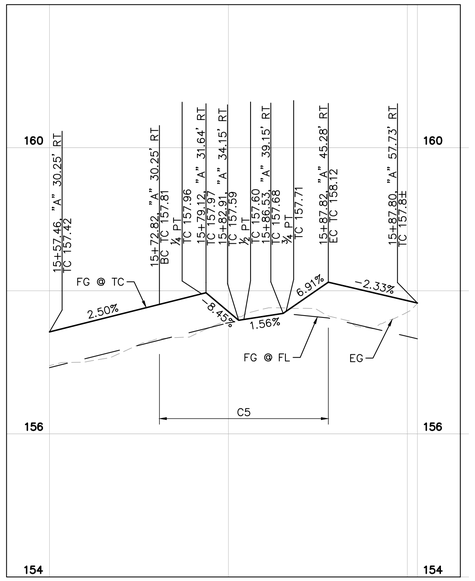
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

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



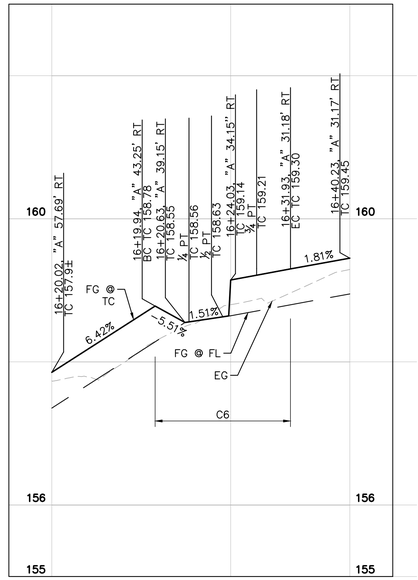
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

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



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

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



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

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	23.46'	N79°54'42"E	21.14'	89°35'44"	14.89'
C2	15.00'	23.15'	S9°24'22"E	20.92'	88°25'47"	14.59'
C3	15.00'	7.15'	S67°16'53"E	7.09'	27°19'15"	3.65'
C4	15.00'	6.71'	S68°08'06"E	6.65'	25°36'48"	3.41'
C5	15.00'	23.59'	S10°14'04"E	21.23'	90°06'44"	15.03'
C6	12.00'	18.91'	N79°31'30"E	17.02'	90°18'23"	12.06'

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

APPROVED:

DATE: _____

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

NOTES

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

COUNTY OF SAN MATEO
PUBLIC WORKS

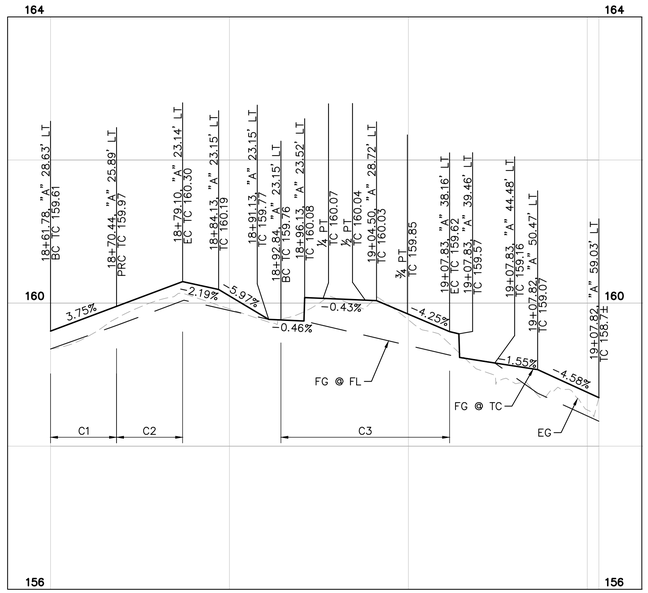
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	LIBERTY PARK AVE/PROSPECT ST
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022

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

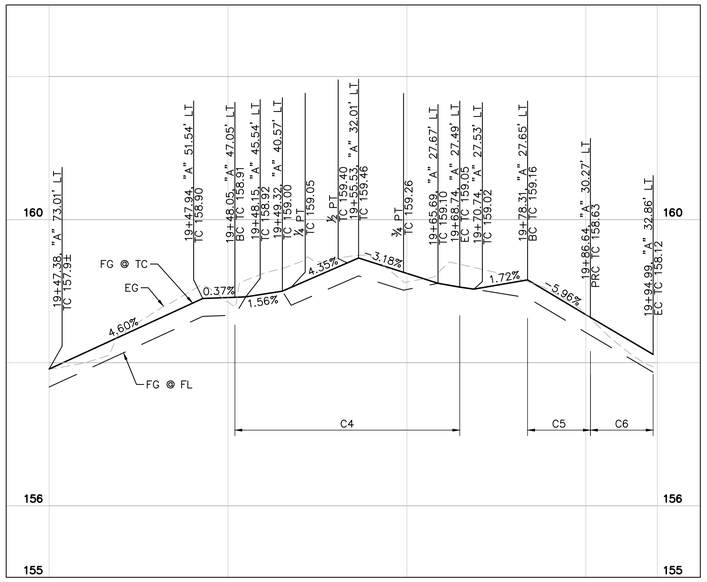
CR-03
SHEET 43 OF 67

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



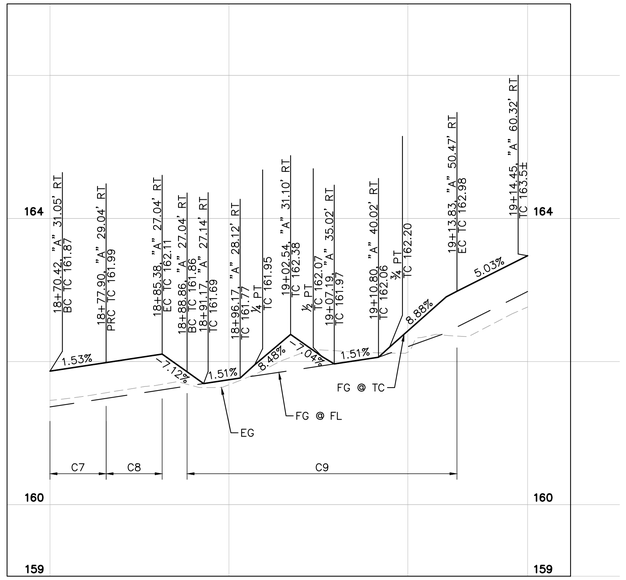
SHARON RD AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

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



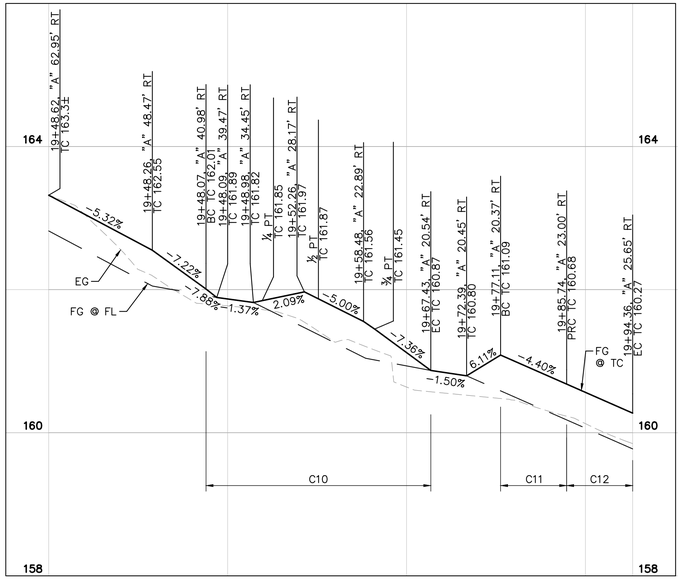
SHARON RD AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

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



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

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



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

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

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	9.23'	S37°42'19"E	9.08'	35°14'51"	4.77'
C2	15.00'	9.23'	S37°42'19"E	9.08'	35°14'51"	4.77'
C3	15.00'	23.56'	N79°40'15"E	21.21'	90°00'00"	15.00'
C4	19.99'	31.42'	S11°48'09"E	28.28'	90°02'48"	20.01'
C5	15.00'	8.79'	S73°34'52"E	8.66'	33°33'26"	4.52'
C6	15.00'	8.79'	S73°34'52"E	8.66'	33°33'26"	4.52'
C7	15.00'	7.83'	S70°17'06"E	7.75'	29°55'35"	4.01'
C8	15.00'	7.83'	S70°17'06"E	7.75'	29°55'35"	4.01'
C9	25.00'	37.72'	S12°06'07"E	34.24'	86°26'23"	23.49'
C10	20.00'	31.42'	N78°11'51"E	28.28'	90°00'00"	20.00'
C11	15.00'	9.23'	S39°10'44"E	9.08'	35°14'51"	4.77'
C12	15.00'	9.23'	S39°10'44"E	9.08'	35°14'51"	4.77'

APPROVED:

DATE: _____

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

NOTES

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

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

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

SHARON RD
CURB RETURN PROFILES

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

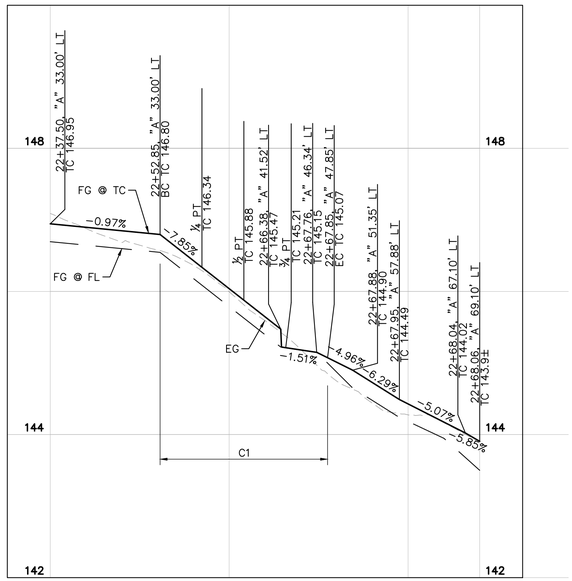
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

REVISION | DATE

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

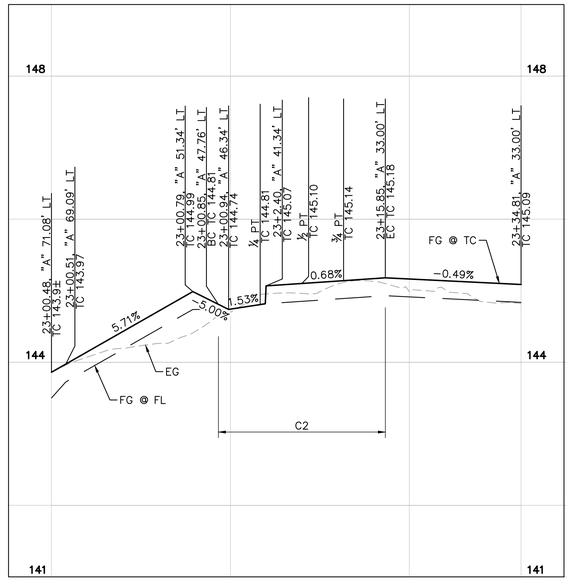
CR-04
SHEET 44 OF 67

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



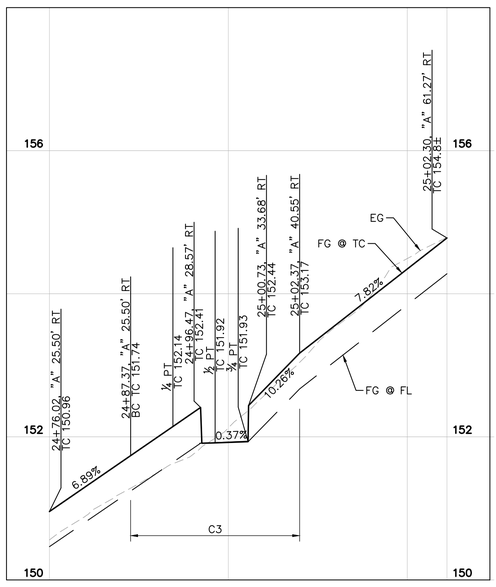
HARRISON WAY AT ALAMEDA DE LAS PULGAS
NW CORNER: CURB RETURN PROFILE

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



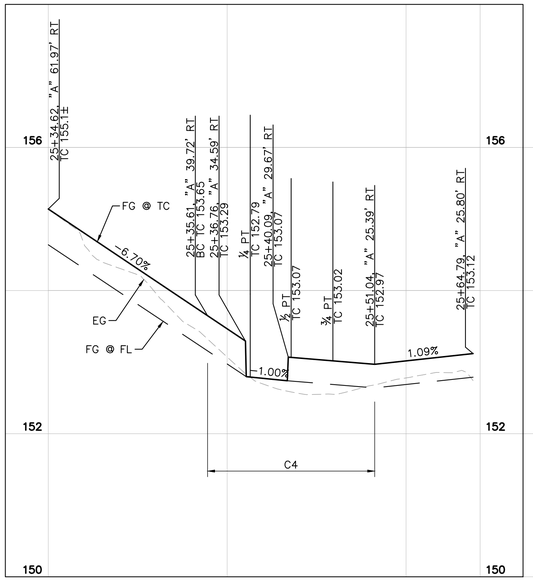
HARRISON WAY AT ALAMEDA DE LAS PULGAS
NE CORNER: CURB RETURN PROFILE

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



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

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



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

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

APPROVED:

DATE:

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

NOTES

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	23.41'	N78°29'10"E	21.11'	89°25'22"	14.85'
C2	15.00'	23.32'	S12°15'32"E	21.04'	89°05'15"	14.76'
C3	15.00'	23.62'	S11°41'56"E	21.25'	90°12'26"	15.05'
C4	15.00'	23.34'	N80°18'58"E	21.06'	89°10'15"	14.78'

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JULY 2022

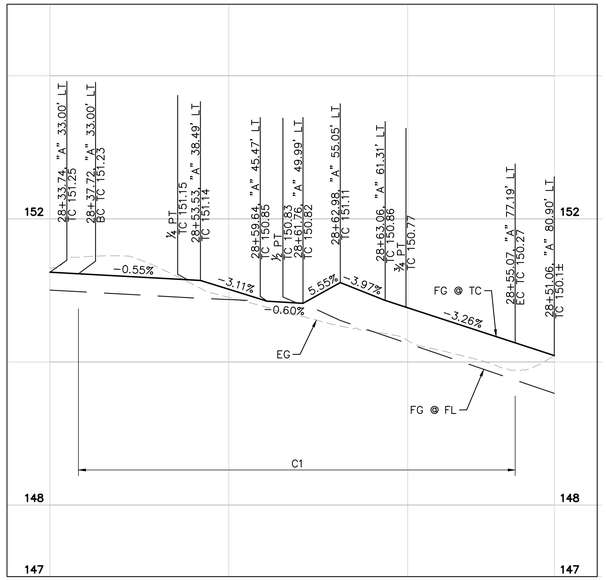
APPROVED DATE:

SIGNATURE

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

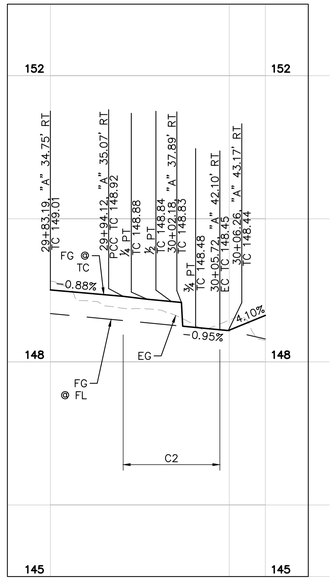
REVISION	DATE	DESIGNED BY: CLH/ASP/HW	HARRISON WAY/CLAYTON DR CURB RETURN PROFILES	SCALE: AS SHOWN
		CHECKED BY: JP		DATE: 7/22/2022
		DRAWN BY: SD/KS		FILE NO.: E5043
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063	
		FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4		CR-05 SHEET 45 OF 67

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



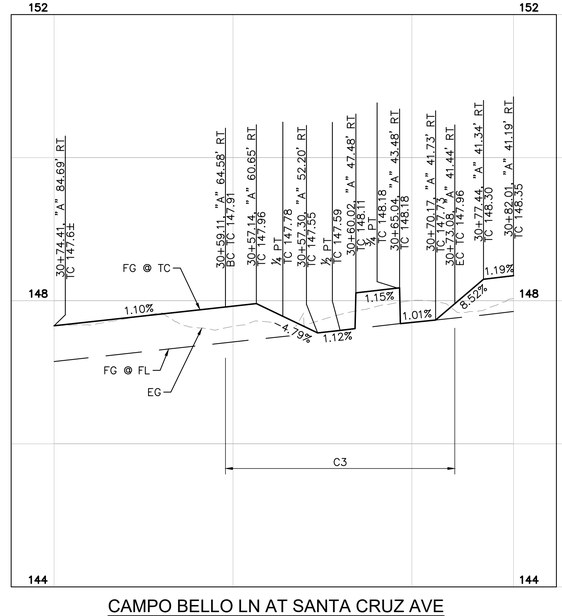
SANTA CRUZ AVE AT ALAMEDA DE LAS PULGAS
CURB RETURN PROFILE

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



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

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



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

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	25.50'	61.03'	N54°37'48"E	47.47'	137°08'06"	64.96'
C2	12.00'	13.51'	S12°15'24"E	12.80'	64°29'17"	7.57'
C3	15.00'	32.05'	N80°23'23"E	26.29'	122°24'29"	27.29'

APPROVED:

DATE: _____

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

NOTES

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

SANTA CRUZ AVE/CAMPO BELLO LN
CURB RETURN PROFILES

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

REVISION | DATE

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

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

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

CR-06
SHEET 46 OF 67

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

APPROVED:

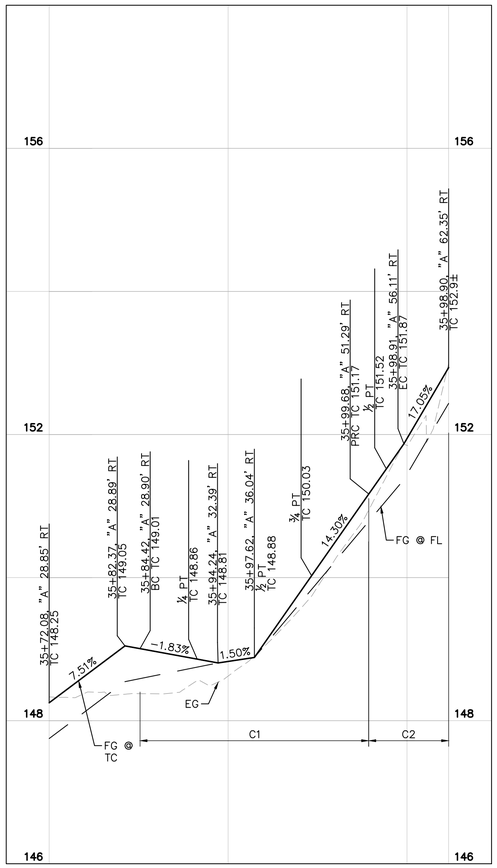
DATE: _____

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	17.00'	31.96'	S12°33'33"W	27.46'	107°43'07"	23.28'
C2	15.00'	4.90'	S57°03'08"W	4.88'	18°43'57"	2.47'
C3	15.00'	23.08'	S89°10'43"E	20.87'	88°09'09"	14.52'
C4	999.50'	20.92'	S45°42'07"E	20.92'	1°11'58"	10.46'
C5	15.00'	9.47'	S28°54'35"E	9.31'	36°09'32"	4.90'
C6	15.00'	9.29'	S28°33'58"E	9.14'	35°28'17"	4.80'
C7	10.00'	15.71'	N88°41'54"E	14.14'	90°00'00"	10.00'
C8	5.00'	7.90'	S1°28'05"E	7.10'	90°32'46"	5.05'

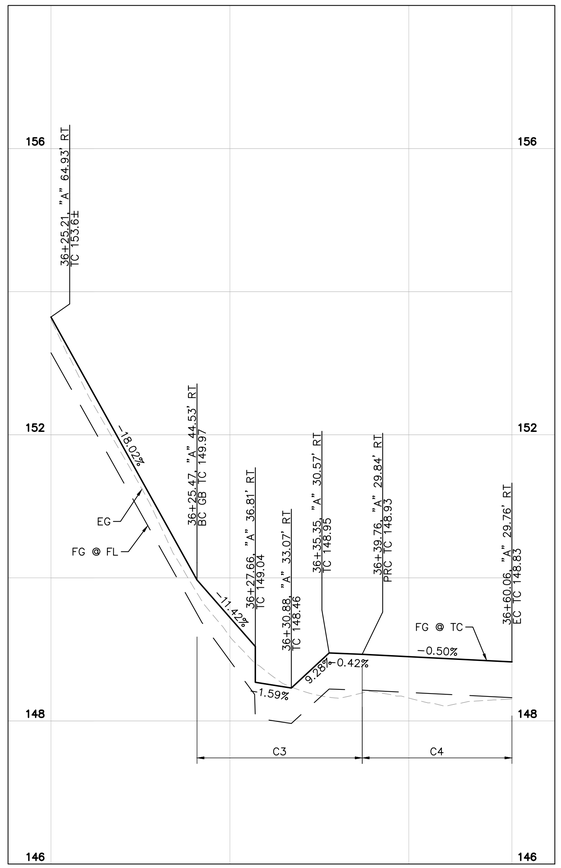
NOTES

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



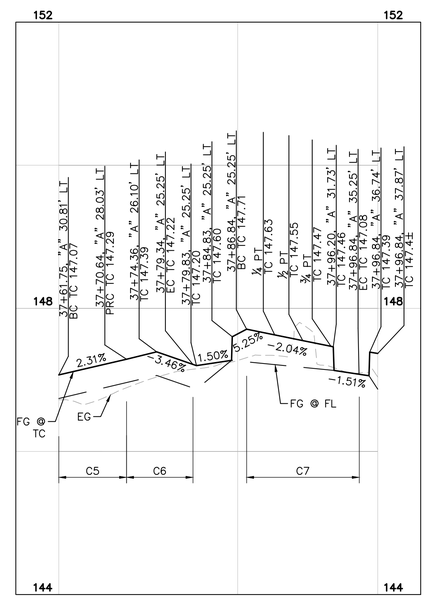
OAK HOLLOW WAY AT SANTA CRUZ AVE
SW CORNER: CURB RETURN PROFILE

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



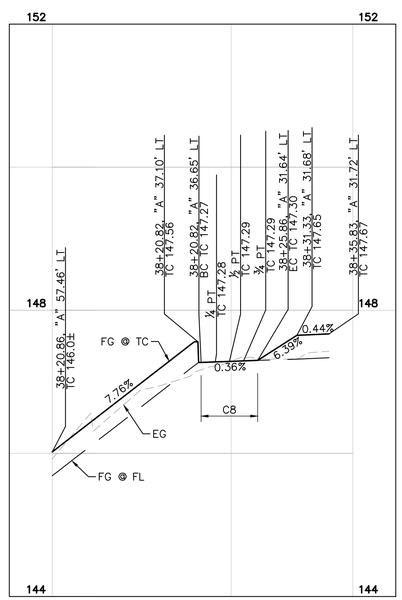
OAK HOLLOW WAY AT SANTA CRUZ AVE
SE CORNER: CURB RETURN PROFILE

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



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

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



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

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

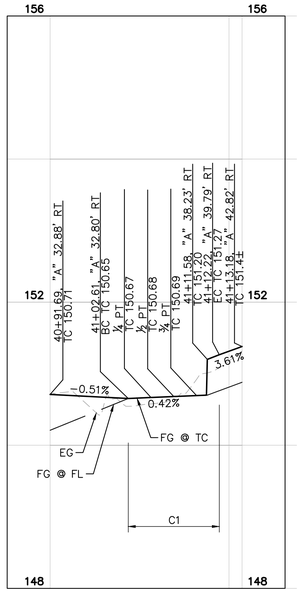
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	OAK HOLLOW WAY/ PALO ALTO WAY
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

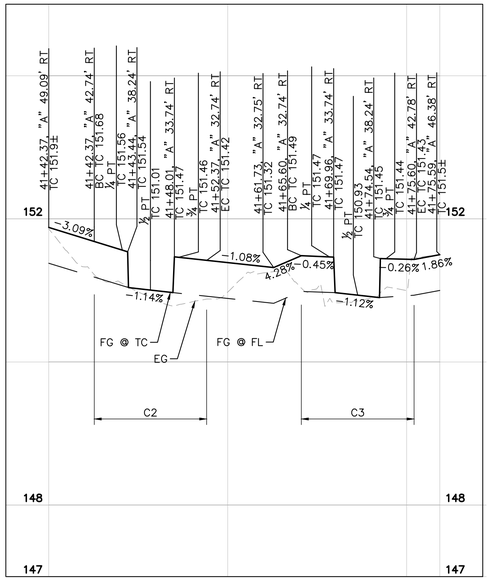
CR-07
SHEET 47 OF 67

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



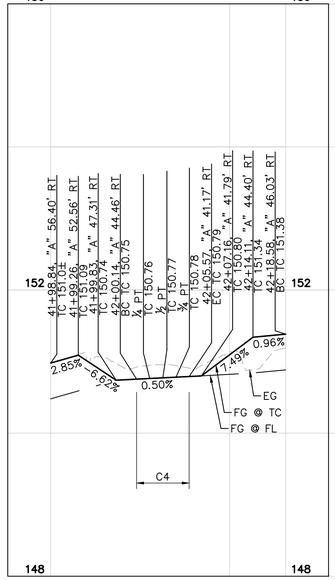
DRIVEWAY TO MENLO COMMONS AT SANTA CRUZ AVE
SW CORNER: CURB RETURN PROFILE

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



DRIVEWAY TO MENLO COMMONS AT SANTA CRUZ AVE
SE CORNER: CURB RETURN PROFILE

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



DRIVEWAY TO PACIFIC HILL HOUSING AT SANTA CRUZ AVE
SE CORNER: CURB RETURN PROFILE

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	10.00'	12.72'	S10°16'08"E	11.88'	72°53'31"	7.39'
C2	10.00'	15.71'	N88°41'56"E	14.14'	89°59'55"	10.00'
C3	10.00'	15.75'	S1°11'37"E	14.17'	90°12'58"	10.04'
C4	4.00'	7.34'	S77°32'45"E	6.35'	105°08'46"	5.23'

APPROVED:

DATE: _____

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

NOTES

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

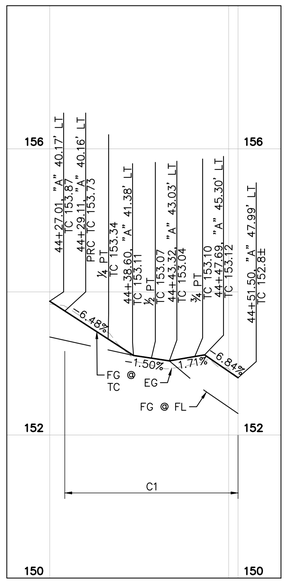
		DESIGNED BY: CLH/ASP/HW	DRIVEWAYS TO MENLO COMMONS AND PACIFIC HILL HOUSING
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
REVISION	DATE	ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

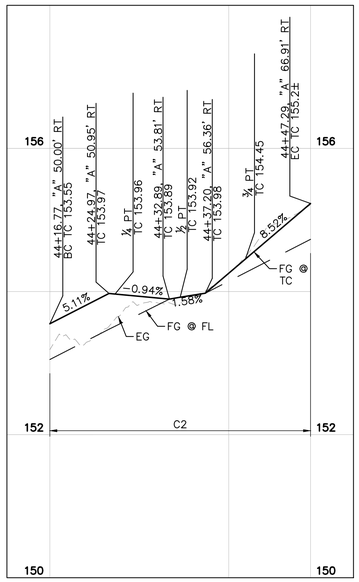
CR-08
SHEET 48 OF 67

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



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

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



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

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

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	35.00'	24.20'	S63°04'38"E	23.72'	39°37'01"	12.61'
C2	36.00'	36.43'	S14°48'32"E	34.90'	57°58'48"	19.95'

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

APPROVED:

DATE: _____

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

NOTES

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90% DESIGN
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JULY 2022

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

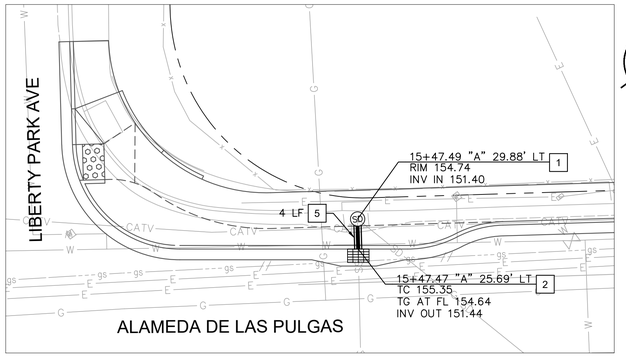
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SAND HILL RD
		CHECKED BY: JP	CURB RETURN PROFILES
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

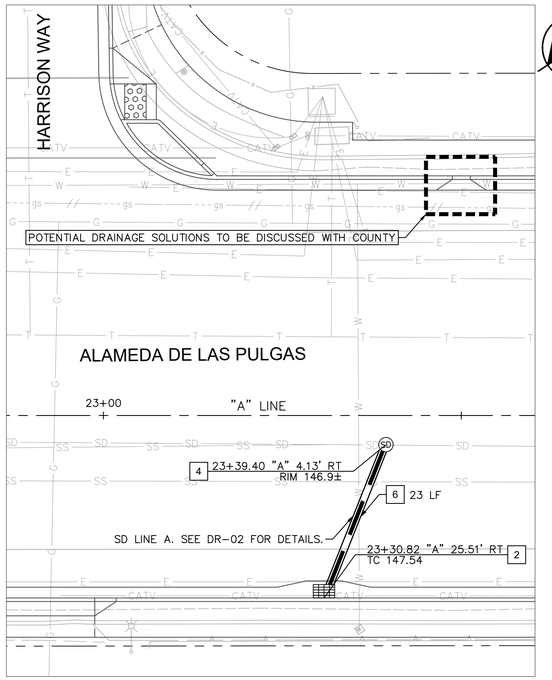
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

CR-09
SHEET 49 OF 67

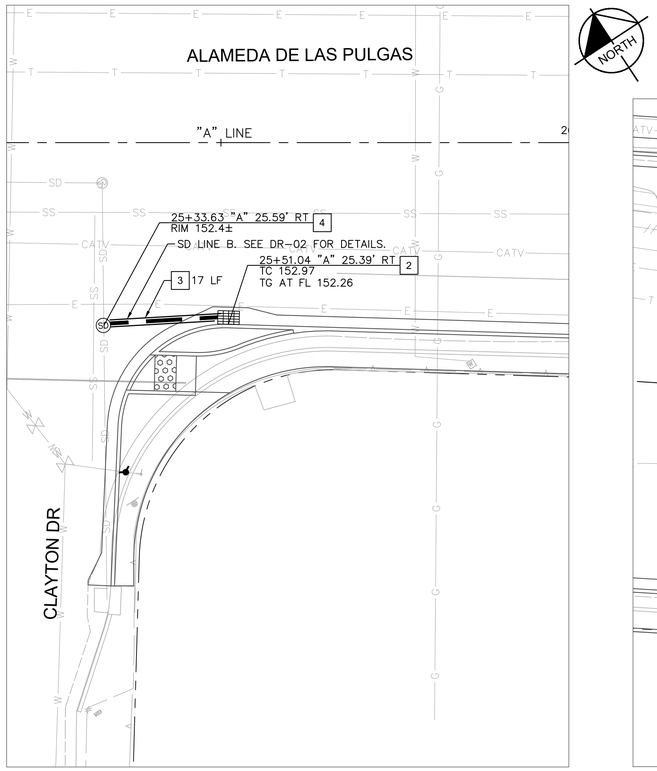
FILENAME: K:\BAY_RDWY\097889107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\CR-06.DWG (CR-09)



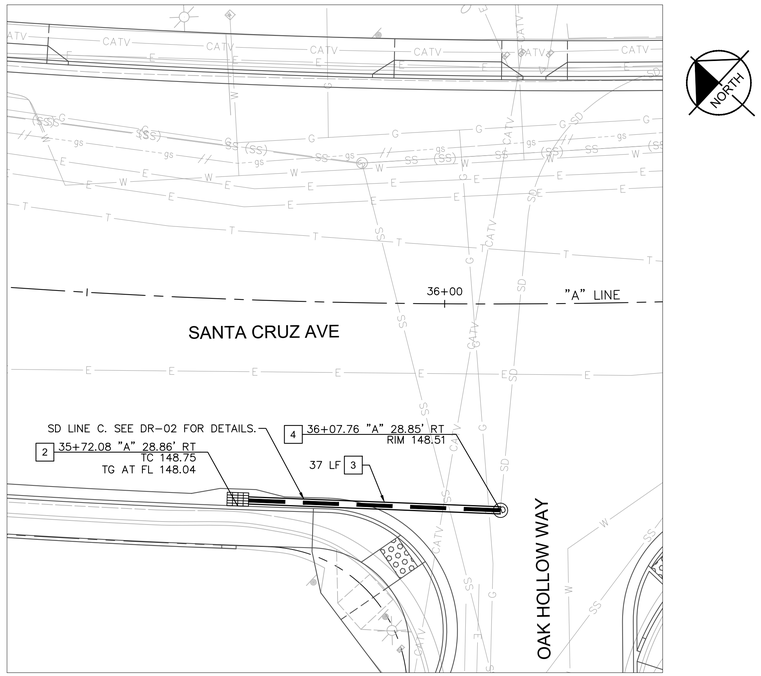
LIBERTY PARK AVE AT ALAMEDA DE LAS PULGAS



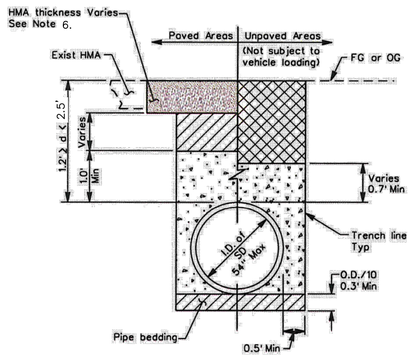
HARRISON WAY AT ALAMEDA DE LAS PULGAS



CLAYTON DR AT ALAMEDA DE LAS PULGAS



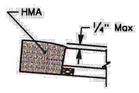
OAK HOLLOW WAY AT ALAMEDA DE LAS PULGAS



TYPICAL HALF SECTIONS
1.2' ≥ d < 2.5'
SEE NOTE 3

LEGEND

- HMA Paving
- Cl 2 AB
- Conc Bkf, See Note 5
- Suitable native Mtl, no solid materials (rock, Conc) larger than 4 inches in greatest dimension or organic matter.



DETAIL A
Gutter Lip Paving

NOTES:

1. Unsuitable native material shall be excavated below the limit of excavation and replaced with suitable backfill material when directed by the County of San Mateo.
2. If cover is less than 1.2' or the storm drain I.D. exceeds 54 inches in shallow installations, a special design is required with approval by the County of San Mateo.
3. Where the trench parallels curb and the nearest trench line is less than 3 feet from the gutter lip, all existing HMA shall be replaced to the gutter lip. For gutter lip paving detail see Detail A.
4. Hot mix asphalt shall be ½-inch Type A HMA in conformance with Section 39, "Hot Mix Asphalt," of the California Department of Transportation's Standard Specifications, unless otherwise specified in the County contract.
5. Concrete shall contain not less than 505 lbs of cementious material per cubic yard in conformance with Section 90, "Concrete," of the California Department of Transportation's Standard Specifications.
6. HMA thickness shall be existing HMA plus 0.1'. If PCC backfill encroaches into this specified thickness, the HMA thickness may be reduced, except the minimum HMA thickness shall not be less than 0.20'.

SHALLOW TRENCH BACKFILL DETAIL
NTS

APPROVED:

DATE: _____

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

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

LEGEND

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

NOTES

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

DRAINAGE NOTES

1. CONVERT EXISTING INLET TO STANDARD STORM DRAIN MANHOLE (SHALLOW COVER) PER COUNTY OF SAN MATEO STD DRAWING B-11.
2. TYPE GO INLET PER COUNTY OF SAN MATEO STD DRAWING B-1.
3. 15" RCP STORM DRAIN PIPE AT 1.0% LENGTH NOTED PER PLANS.
4. STANDARD STORM DRAIN MANHOLE (SHALLOW COVER) PER COUNTY OF SAN MATEO STD DRAWING B-11.
5. 15" RCP STORM DRAIN PIPE AT 1.0% WITH SHALLOW TRENCH BACKFILL PER DETAIL THIS SHEET. LENGTH NOTED PER PLANS.
6. 15" RCP STORM DRAIN PIPE AT 0.5% WITH SHALLOW TRENCH BACKFILL PER DETAIL THIS SHEET. LENGTH NOTED PER PLANS.

GRAPHIC SCALE IN FEET
0 5 10 20

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE

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

DRAINAGE PROFILES AND DETAILS

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

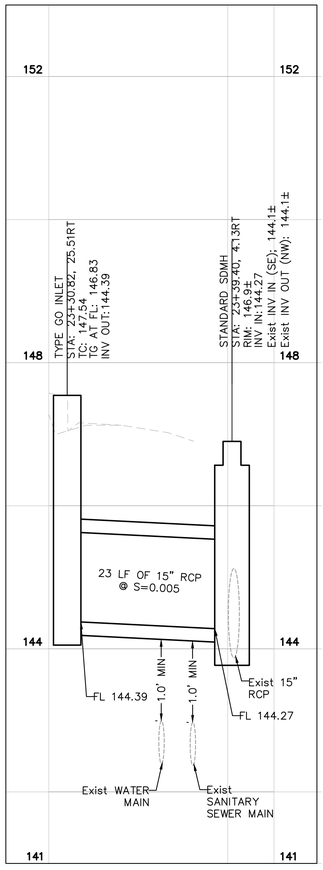
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

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

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

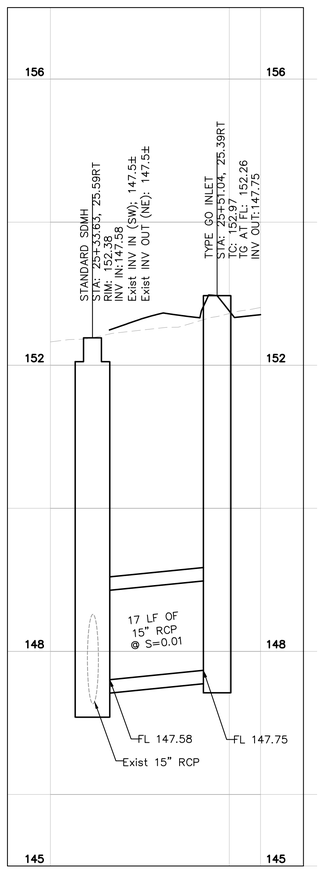
DR-01
SHEET 50 OF 67

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



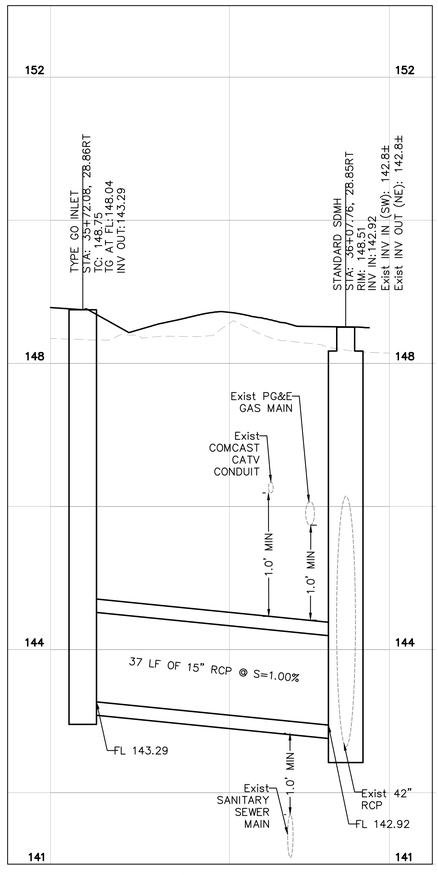
SD LINE A

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



SD LINE B

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



SD LINE C

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

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

APPROVED:

DATE: _____

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

NOTES

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

FILENAME: K:\BAY_ROWY\097888107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\DR-01.DWG (DR-03)

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

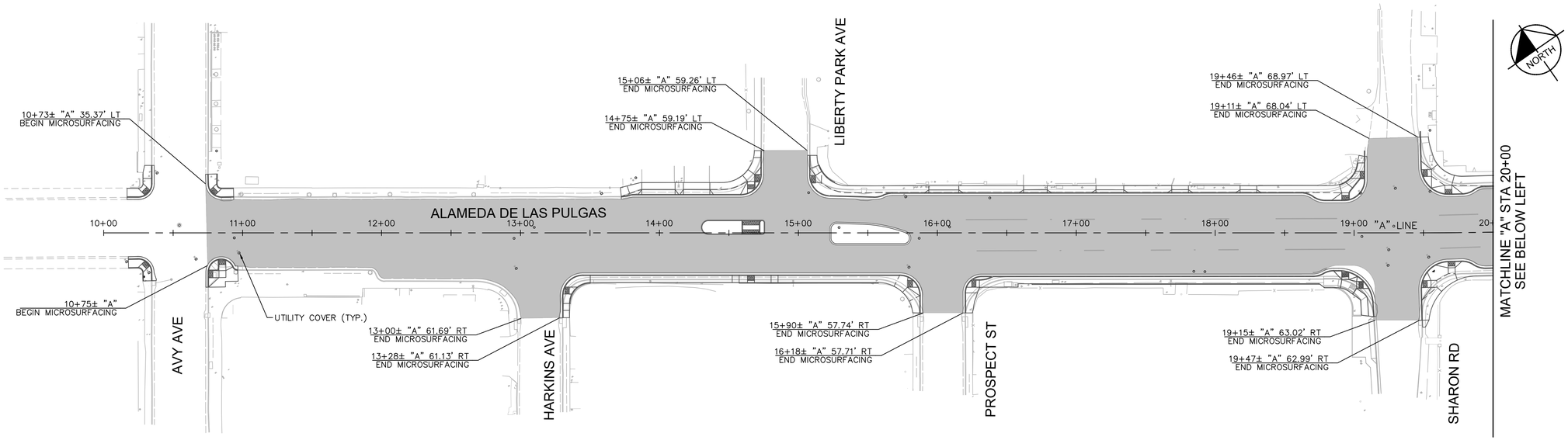
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

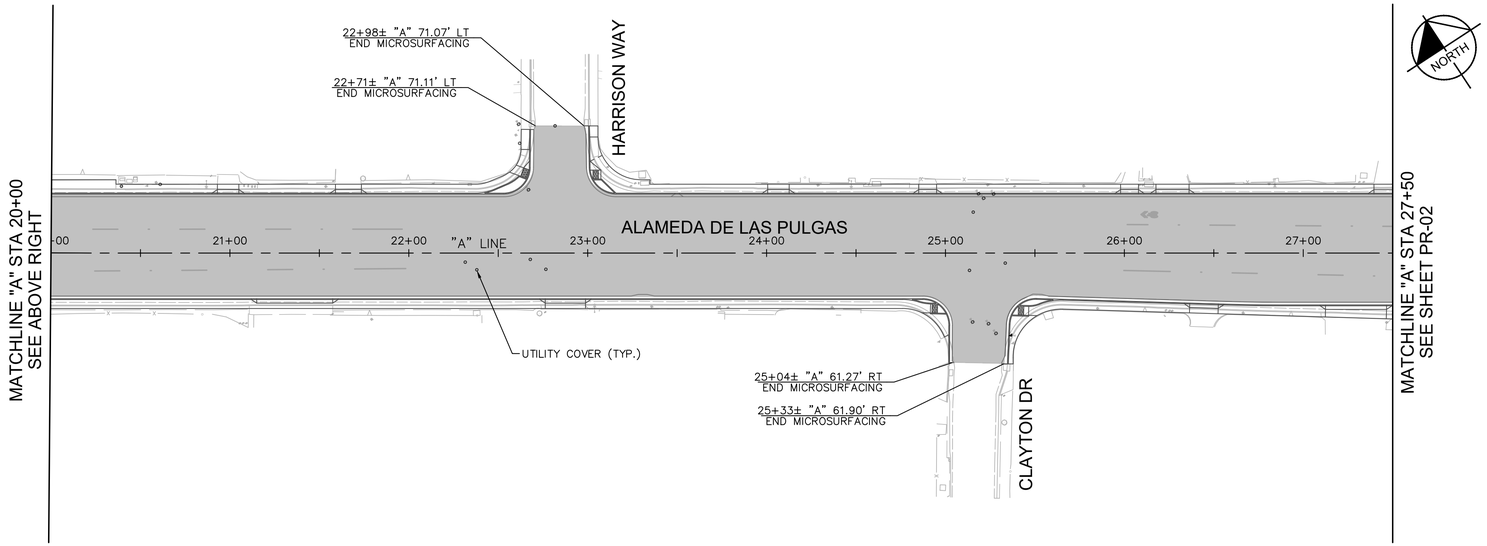
COUNTY OF SAN MATEO
PUBLIC WORKS

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

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

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043
	DR-02
	SHEET 51 OF 67





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

APPROVED:

DATE: _____

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

NOTES

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

LEGEND

MICROSURFACING

FILENAME: K:\BAY_ROW\109788107 - SANTA CRUZ AVE - JP\08 CADD\PLANSHEETS\PR-01.DWG (PR-01)

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

GRAPHIC SCALE IN FEET
0 20 40 80

90% DESIGN
FOR REVIEW ONLY
JULY 2022

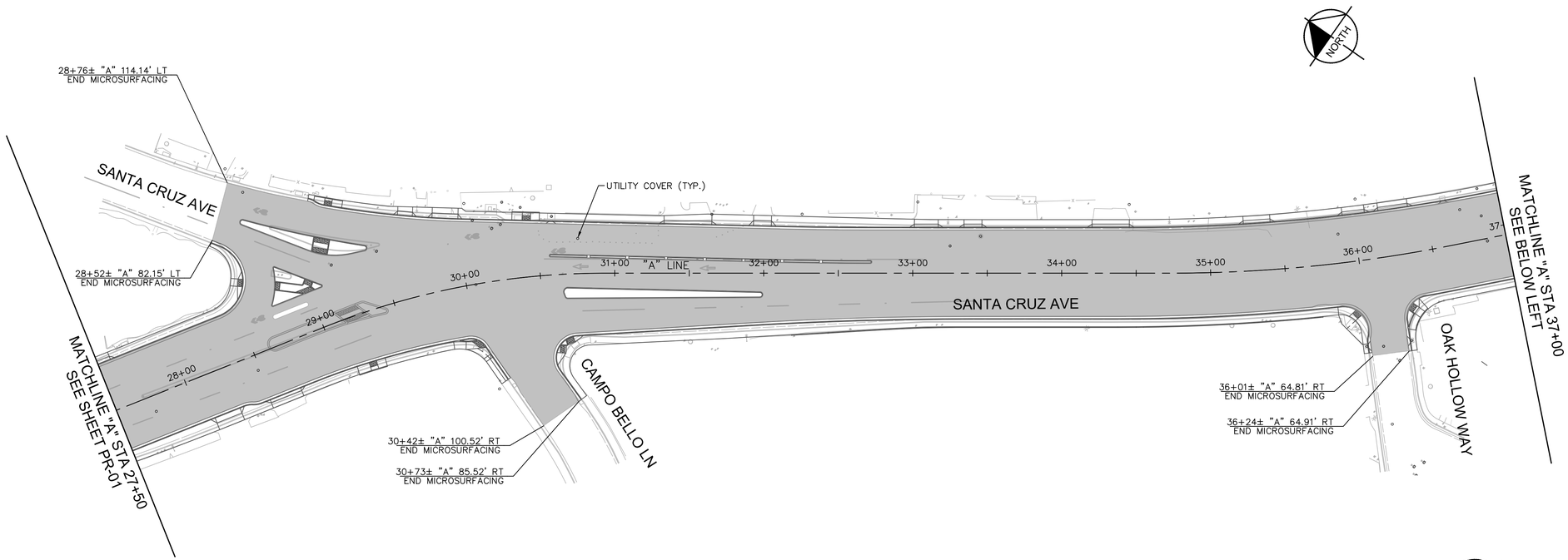
REGISTERED PROFESSIONAL ENGINEER
JOHN E. PULLIAM
No. 68897
CIVIL
STATE OF CALIFORNIA

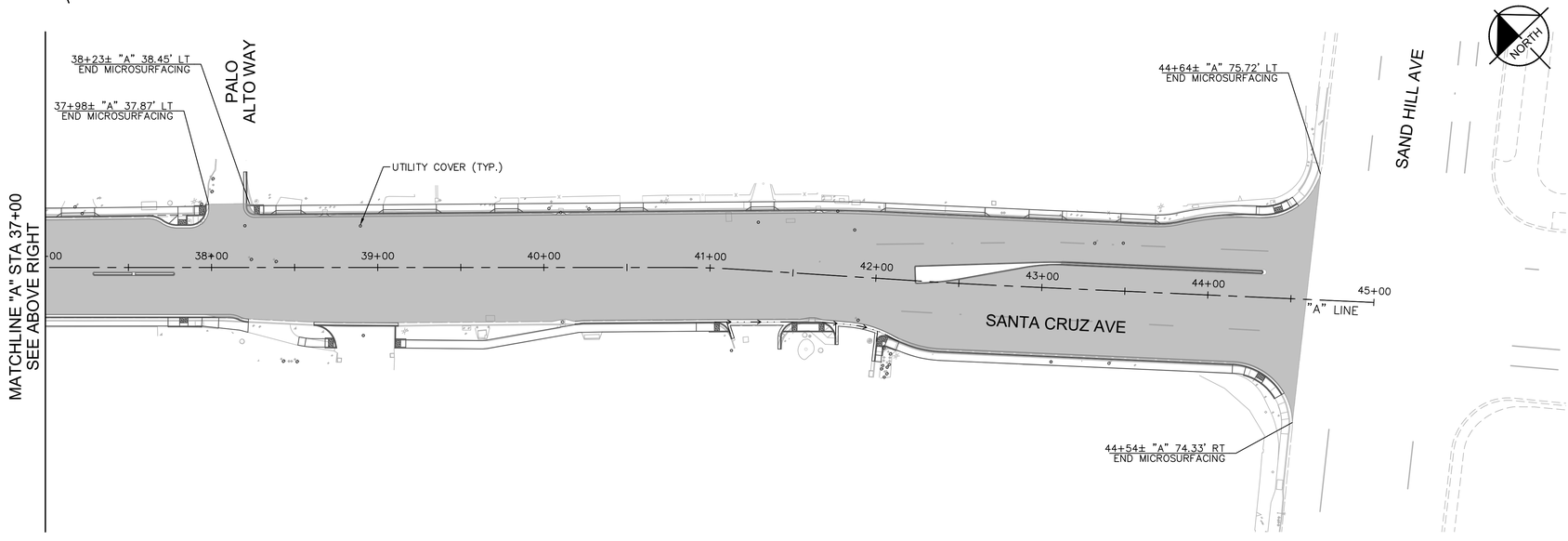
COUNTY OF SAN MATEO
PUBLIC WORKS

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

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043
PR-01
SHEET 52 OF 67





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

APPROVED:

DATE: _____

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

NOTES

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4. CONTRACTOR SHALL PROTECT MONUMENTS IN PLACE AND SHALL NOTIFY THE CITY INSPECTOR IF ANY ARE IDENTIFIED WITHIN THE LIMITS OF THE WORK.
5. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PAVEMENT REHABILITATION LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON SS-SHEETS.
6. TREATMENT AND EXACT REPAIR LIMITS SHALL BE MARKED AND CONFIRMED, IN THE FIELD BY THE COUNTY INSPECTOR PRIOR TO CONSTRUCTION.
7. UNLESS OTHERWISE NOTED, ALL UTILITIES ARE TO REMAIN.
8. SEE SS-SHEETS FOR STRIPING AND PAVEMENT MARKING PLANS.

LEGEND

MICROSURFACING

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

GRAPHIC SCALE IN FEET
0 20 40 80

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

COUNTY OF SAN MATEO
PUBLIC WORKS

REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	PAVEMENT REHABILITATION PLAN
		CHECKED BY: JP	
		DRAWN BY: SD/KS	

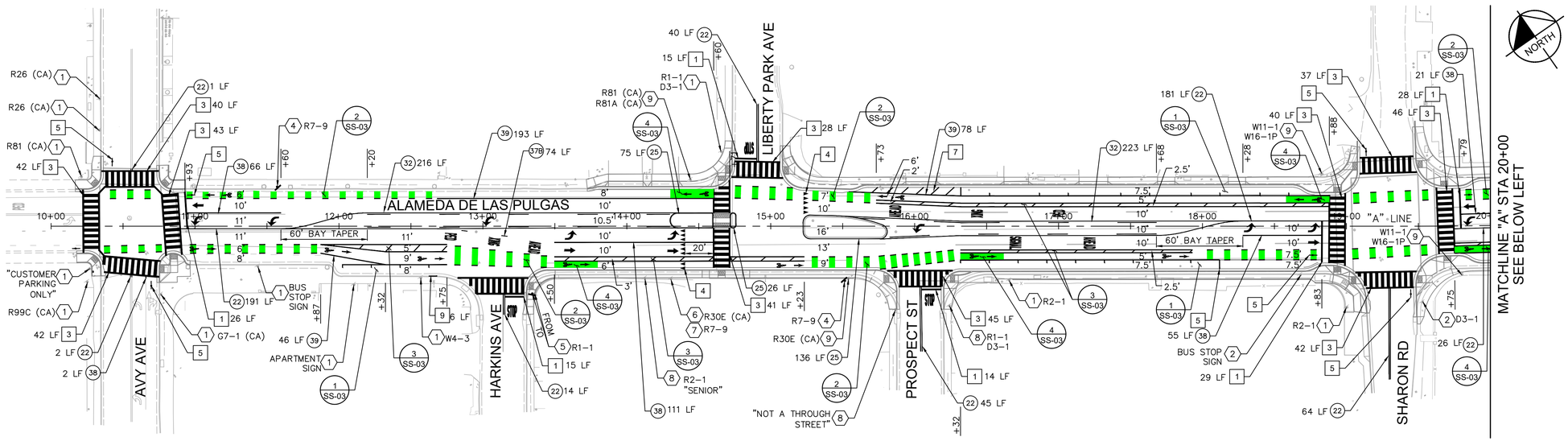
ANN MADER STILLMAN,
INTERIM DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN MATEO

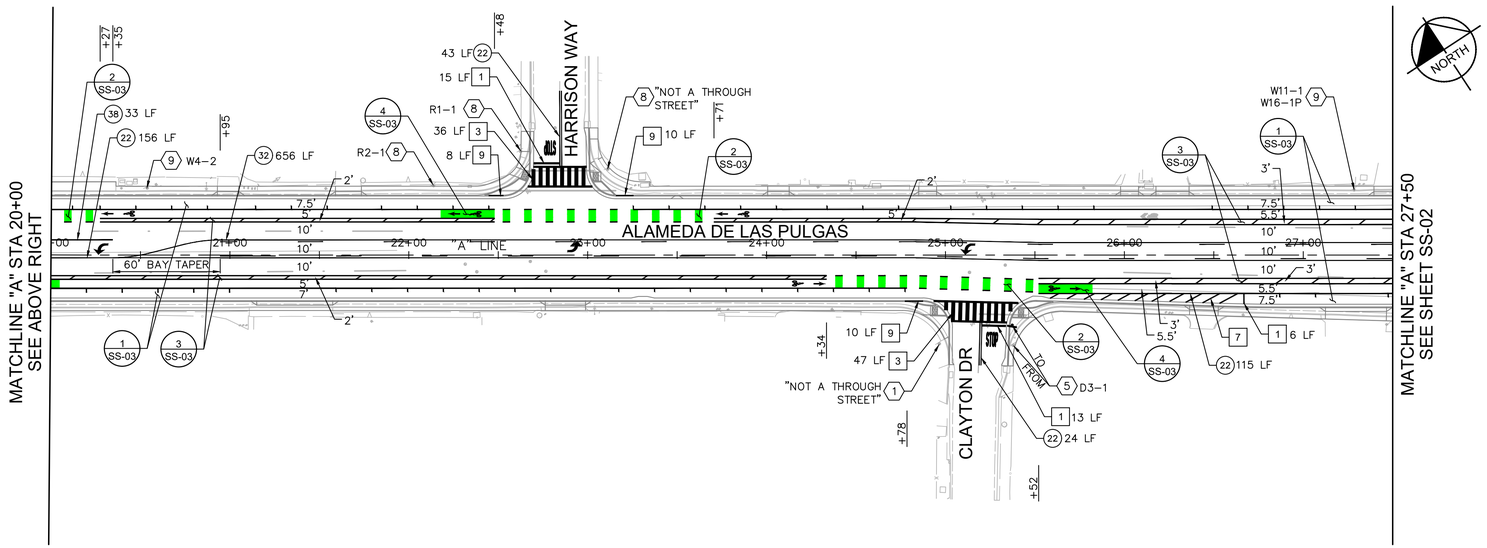
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

PR-02
SHEET 53 OF 67





APPROVED:

DATE: _____

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

NOTES

1. EXISTING SIGNS SHALL BE PROTECTED IN PLACE UNLESS SPECIFIED FOR REMOVAL OR RELOCATION, OR SPECIFIED TO BE RESET PER PV AND CD SHEETS.
2. EXISTING SIGNS SPECIFIED FOR REMOVAL SHALL NOT BE REMOVED UNTIL NO LONGER PERTINENT TO TRAFFIC CONTROL.
3. DO NOT REMOVE UTILITY LOCATION MARKERS UNLESS OTHERWISE SHOWN ON PV OR CD SHEETS.
4. ALL STRIPING CONFLICTING WITH PROPOSED STRIPING SHALL BE REMOVED BY GRINDING.
5. PAVEMENT MARKINGS PER 2018 CALTRANS STANDARD PLANS UNLESS OTHERWISE SPECIFIED.
6. PAVEMENT DELINEATION SHALL BE THERMOPLASTIC UNLESS SHOWN OTHERWISE.
7. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PROJECT LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON STRIPING SHEETS.
8. UNLESS OTHERWISE NOTED PER THESE PLANS, LANE WIDTHS ARE TO CENTER OF STRIPE OR FACE OF CURB.
9. UNLESS OTHERWISE NOTED PER THESE PLANS, ALL EXISTING UTILITIES TO REMAIN.
10. BAY TAPER PER 7TH EDITION OF THE CALTRANS HIGHWAY DESIGN MANUAL, TABLE 405.2A.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- CHANNELIZER

STRIPING NOTES

1. INSTALL LIMIT LINE PER CALTRANS STD PLAN A24E.
3. INSTALL 10' WIDE LADDER CROSSWALK PER CALTRANS STD PLAN A24F WITH WET RATED REFLECTIVE BEADS.
4. INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.
5. INSTALL BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS STD PLAN A24C.
7. INSTALL 6", 45° WHITE THERMOPLASTIC STRIPE AT 5' O/C.
9. INSTALL RED CURB WITH 2 COAT PAINT. LENGTH AS SHOWN PER PLAN, MEASURED FROM BC/EC OF CURB RETURN TO PARKING STALL LIMIT AS SHOWN.

(XX) INSTALL CALTRANS STRIPING DETAIL "XX" PER CALTRANS STANDARD PLANS.

SIGNING NOTES

1. EXISTING SIGN TO REMAIN.
2. RELOCATE EXISTING SIGN AND POST 1' BACK FROM PROPOSED FACE OF CURB.
4. INSTALL NEW SIGN AND POST.
5. RELOCATE EXISTING SIGN AND POST AS SHOWN ON PLANS.
6. REMOVE EXISTING SIGN PANEL. POST TO REMAIN.
7. INSTALL NEW SIGN ON EXISTING POST.
8. RESET.
9. REMOVE AND SALVAGE EXISTING SIGN AND POST.

GRAPHIC SCALE IN FEET
0 20 40 80

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

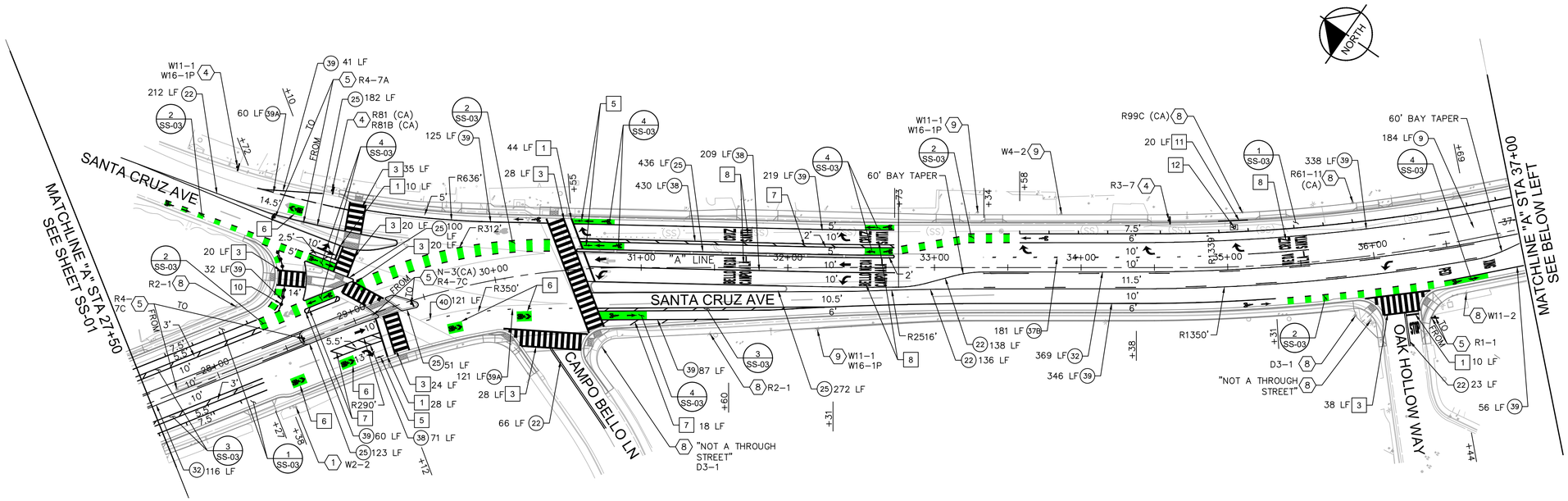
REVISION	DATE		
		DESIGNED BY: CLH/ASP/HW	SIGNING AND STRIPING PLAN
		CHECKED BY: JP	
		DRAWN BY: SD/KS	
		ANN MADER STILLMAN, INTERIM DIRECTOR OF PUBLIC WORKS COUNTY OF SAN MATEO	555 COUNTY CENTER, 5th FLOOR REDWOOD CITY, CALIFORNIA 94063

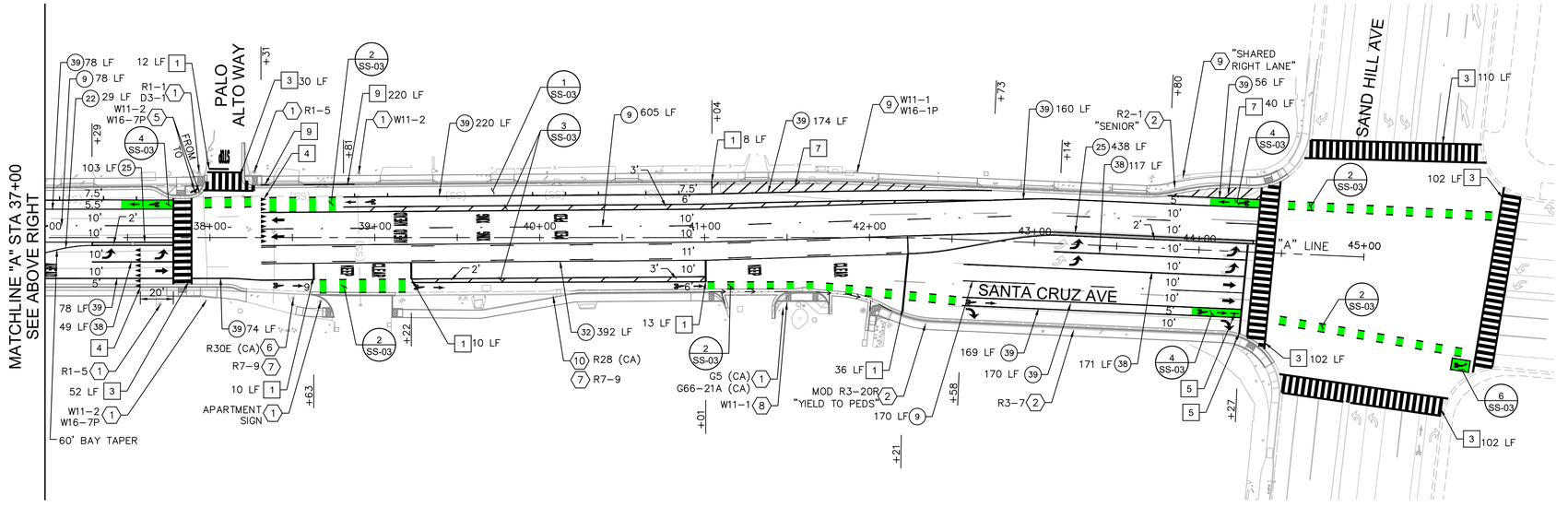
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

SS-01
SHEET 54 OF 67

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





GRAPHIC SCALE IN FEET
0 20 40 80

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

NOTES

1. EXISTING SIGNS SHALL BE PROTECTED IN PLACE UNLESS SPECIFIED FOR REMOVAL OR RELOCATION, OR SPECIFIED TO BE RESET PER PV AND CD SHEETS.
2. EXISTING SIGNS SPECIFIED FOR REMOVAL SHALL NOT BE REMOVED UNTIL NO LONGER PERTINENT TO TRAFFIC CONTROL.
3. DO NOT REMOVE UTILITY LOCATION MARKERS UNLESS OTHERWISE SHOWN ON PV OR CD SHEETS.
4. ALL STRIPING CONFLICTING WITH PROPOSED STRIPING SHALL BE REMOVED BY GRINDING.
5. PAVEMENT MARKINGS PER 2018 CALTRANS STANDARD PLANS UNLESS OTHERWISE SPECIFIED.
6. PAVEMENT DELINEATION SHALL BE THERMOPLASTIC UNLESS SHOWN OTHERWISE.
7. CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING PAINT OR THERMOPLASTIC OUTSIDE OF PROJECT LIMITS, OR LIMITS OF PROPOSED STRIPING AS SHOWN ON STRIPING SHEETS.
8. UNLESS OTHERWISE NOTED PER THESE PLANS, LANE WIDTHS ARE TO CENTER OF STRIPE OR FACE OF CURB.
9. UNLESS OTHERWISE NOTED PER THESE PLANS, ALL EXISTING UTILITIES TO REMAIN.
10. BAY TAPER PER 7TH EDITION OF THE CALTRANS HIGHWAY DESIGN MANUAL, TABLE 405.2A.

LEGEND

EXISTING SIGN
PROPOSED SIGN
CHANNELIZER

STRIPING NOTES

1. INSTALL LIMIT LINE PER CALTRANS STD PLAN A24E.
3. INSTALL 10' WIDE LADDER CROSSWALK PER CALTRANS STD PLAN A24F WITH WET RATED REFLECTIVE BEADS.
4. INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.
5. INSTALL BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS STD PLAN A24C.
6. INSTALL SHARROW MARKING PER CALTRANS STD PLAN A24C WITH GREEN BACKING.
7. INSTALL 6", 45° WHITE THERMOPLASTIC STRIPE AT 5' O/C.
8. INSTALL CUSTOM PAVEMENT MARKING PER DETAIL 5, SHEET SS-03.
9. INSTALL RED CURB WITH 2 COAT PAINT. LENGTH AS SHOWN PER PLAN, MEASURED FROM BC/EC OF CURB RETURN TO PARKING STALL LIMIT AS SHOWN.
10. INSTALL CHANNELIZER (5' O/C, 6 TOTAL).
11. INSTALL BLUE CURB WITH 2 COAT PAINT. LENGTH AS SHOWN PER PLAN.
12. MAINTAIN 1 EXISTING ADA PARKING STALL. INSTALL ISA MARKING PER CALTRANS STD DETAIL A24C WITH BLUE BACKING.

(XX) INSTALL CALTRANS STRIPING DETAIL "XX" PER CALTRANS STANDARD PLANS.

SIGNING NOTES

1. EXISTING SIGN TO REMAIN.
2. RELOCATE EXISTING SIGN AND POST 1' BACK FROM PROPOSED FACE OF CURB.
4. INSTALL NEW SIGN AND POST.
5. RELOCATE EXISTING SIGN AND POST AS SHOWN ON PLANS.
6. REMOVE EXISTING SIGN PANEL. POST TO REMAIN.
7. INSTALL NEW SIGN ON EXISTING POST.
8. RESET.
9. REMOVE AND SALVAGE EXISTING SIGN AND POST.
10. REMOVE EXISTING SIGN PANEL. RESET EXISTING POST.

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

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

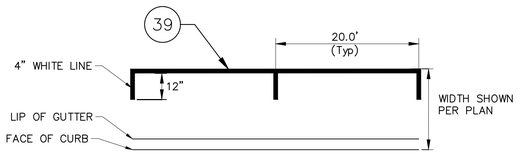
SIGNING AND STRIPING PLAN

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

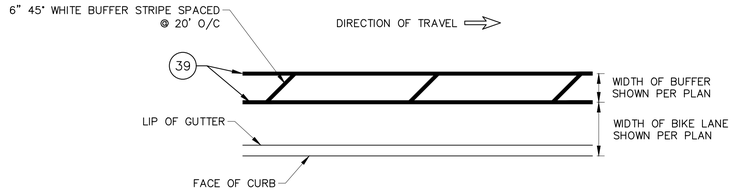
SS-02
SHEET 55 OF 67



PARKING STALL DETAIL

N.T.S

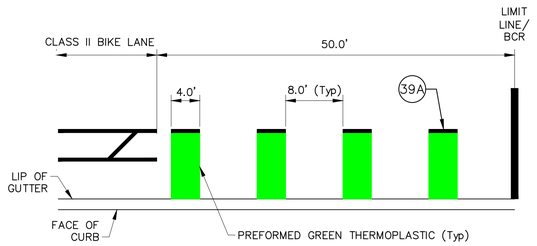
1 SS-03



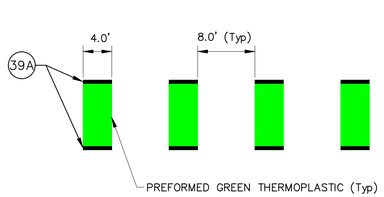
CLASS II BUFFEERED BIKE LANE DETAIL

N.T.S

3 SS-03



UPSTREAM OF INTERSECTION

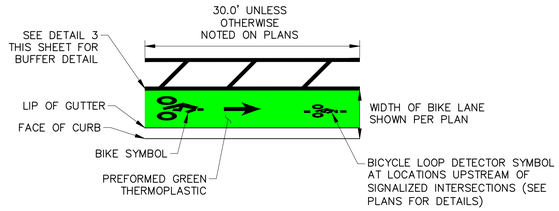


THROUGH INTERSECTION

GREEN BIKE CONFLICT ZONE DETAIL

N.T.S

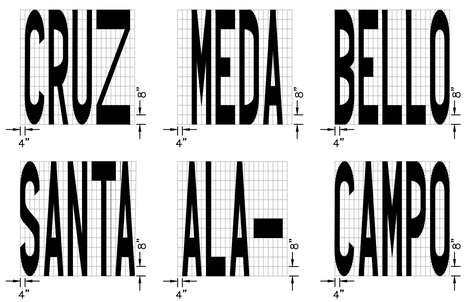
2 SS-03



BIKE LEGEND WITH GREEN BACK DETAIL

N.T.S

4 SS-03

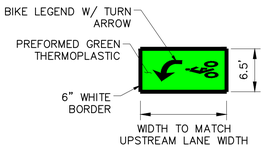


CUSTOM PAVEMENT MARKINGS

*LETTERS TO FOLLOW STANDARDS SET BY 2014 CA MUTCD SECTION 3B.20

N.T.S

5 SS-03



GREEN TWO-STAGE BIKE TURN BOX DETAIL

N.T.S

6 SS-03

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

APPROVED:

DATE: _____

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

SIGNATURE

JOHN PULLIAM

KIMLEY-HORN

R.C.E. # 68897 / EXPIRES 09-30-2023

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

COUNTY OF SAN MATEO
PUBLIC WORKS

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

SIGNING AND STRIPING DETAILS

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

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

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

SS-03
SHEET 56 OF 67

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

GENERAL NOTES (TS-01 TO TS-10)

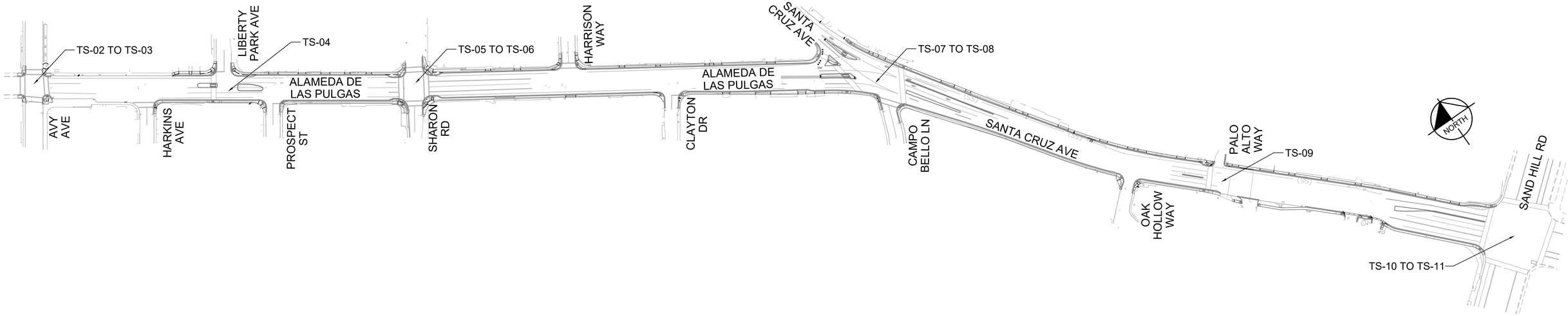
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REVISIONS OF THE 2018 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) REVISED STANDARD PLANS AND STANDARD SPECIFICATIONS, AND THE COUNTY OF SAN MATEO STANDARD PLANS AND SPECIFICATIONS.
2. ALL SIGN CODES REFER TO THE LATEST 2014 CALIFORNIA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

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

APPROVED:

DATE: _____

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



KEY MAP
NOT TO SCALE

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE:	AS SHOWN
DATE:	7/22/2022
FILE NO.:	E5043

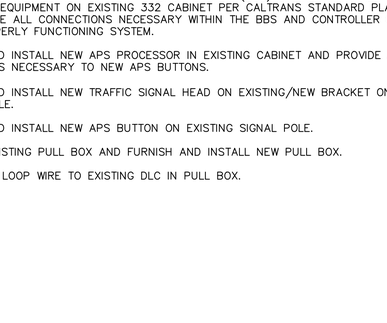
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-01
SHEET 57 OF 67

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

CONSTRUCTION NOTES (THIS SHEET ONLY)

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

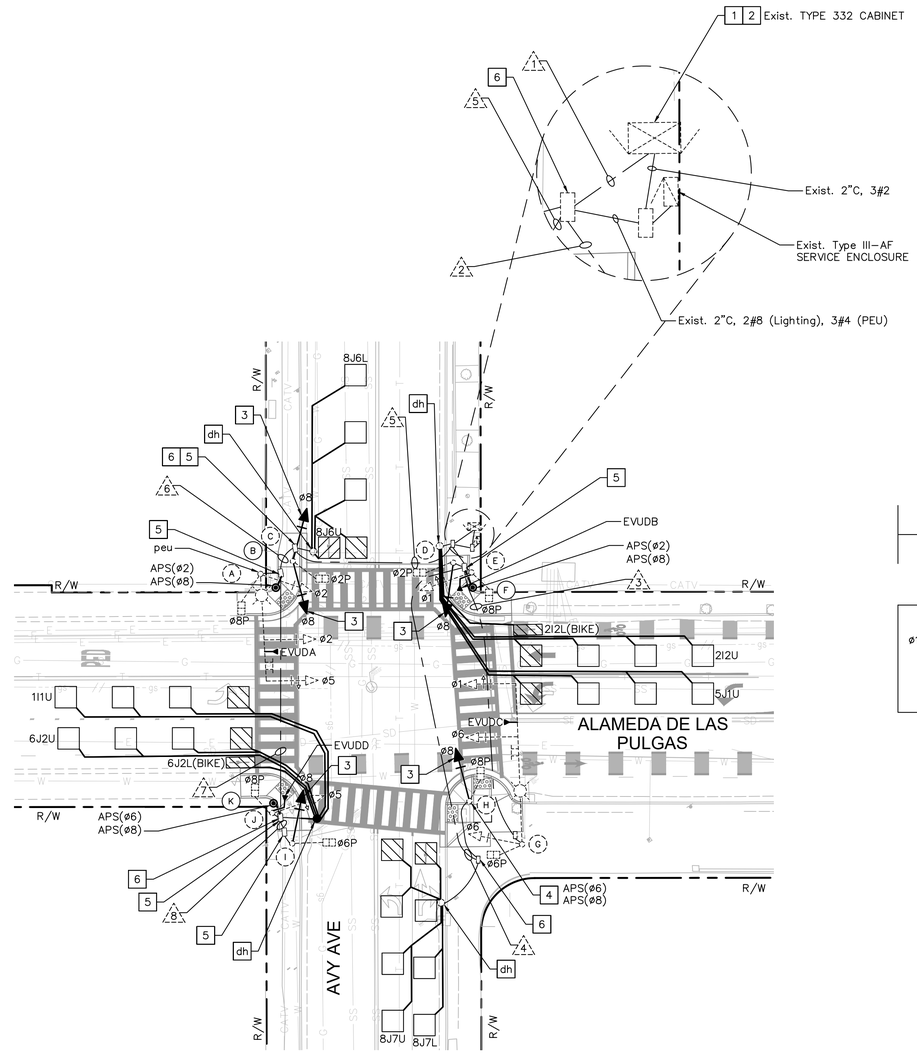


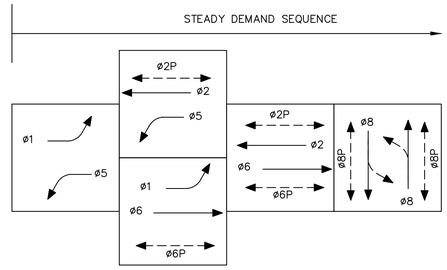
EXISTING SIGNAL EQUIPMENT

SCALE: 1" = 50'

DEMOLITION NOTES:

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





EXISTING PHASE DIAGRAM

(TO REMAIN)

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

APPROVED:

DATE:

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

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

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

90% DESIGN FOR REVIEW ONLY JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-02
SHEET 58 OF 67

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

CONDUCTOR SCHEDULE

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

ALL CONDUITS AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

POLE AND EQUIPMENT SCHEDULE

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

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

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

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

APPROVED:

DATE: _____

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

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED DATE:

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

TRAFFIC SIGNAL SCHEDULE

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

REVISION | DATE

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

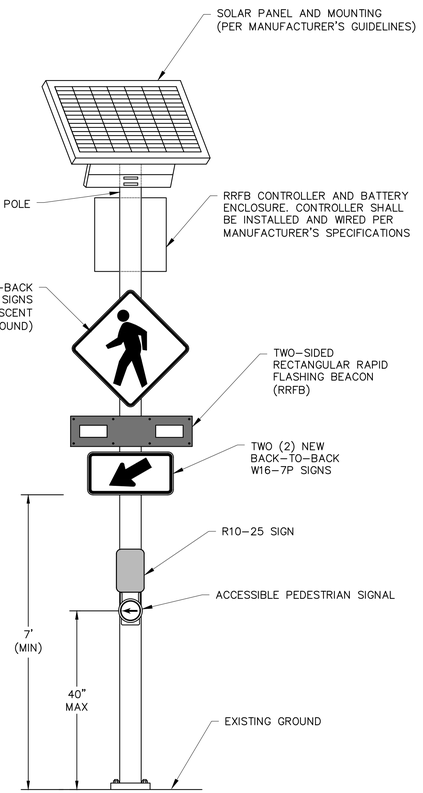
555 COUNTY CENTER, 5th FLOOR
REDWOOD CITY, CALIFORNIA 94063

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

TS-03
SHEET 59 OF 67

CONSTRUCTION NOTES (THIS SHEET ONLY)

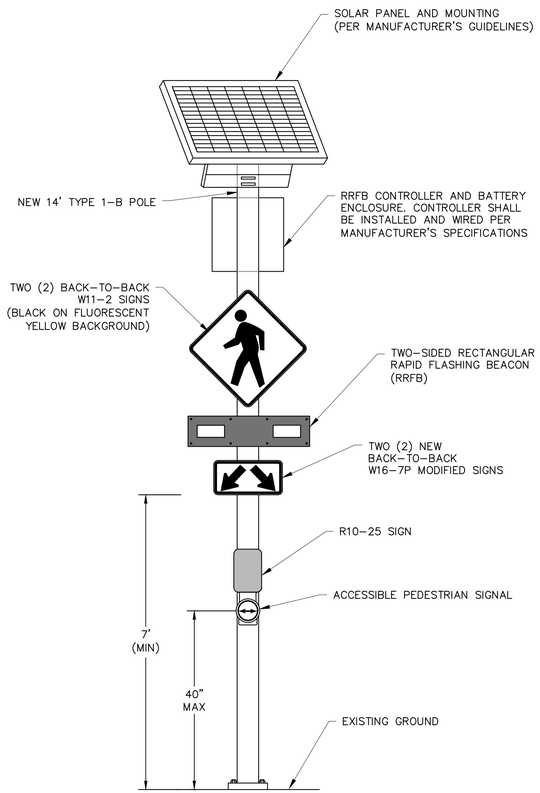
1. FURNISH AND INSTALL NEW TWO–SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB), TWO BACK–TO–BACK W11–2 AND W16–7P SIGNS, APS, RRFB CONTROLLER, 20W (OR AS SPECIFIED BY THE MANUFACTURER) SOLAR PANEL, AND BATTERY ENCLOSURE ON NEW 14' 1–B POLE. APS SHALL FACE EAST. SEE DETAIL A ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
2. FURNISH AND INSTALL NEW TWO–SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB), TWO BACK–TO–BACK W11–2 AND W16–7P (MODIFIED) SIGNS, APS, RRFB CONTROLLER, 55W (OR AS SPECIFIED BY THE MANUFACTURER) SOLAR PANEL, AND BATTERY ENCLOSURE ON NEW 14' 1–B POLE. APS SHALL FACE EAST. RRFB SHALL BE POWERED BY SOLAR. SEE DETAIL B ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
3. FURNISH AND INSTALL NEW R1–5A SIGN ON NEW POST.
4. FURNISH AND INSTALL NEW TWO–SIDED RECTANGULAR RAPID FLASHING BEACON (RRFB), TWO BACK–TO–BACK W11–2 AND W16–7P SIGNS, APS, AND RRFB CONTROLLER ON NEW 14' 1–B POLE. APS SHALL FACE EAST. SEE DETAIL C ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
5. INSTALL 2"C, 3#14.



DETAIL A

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL

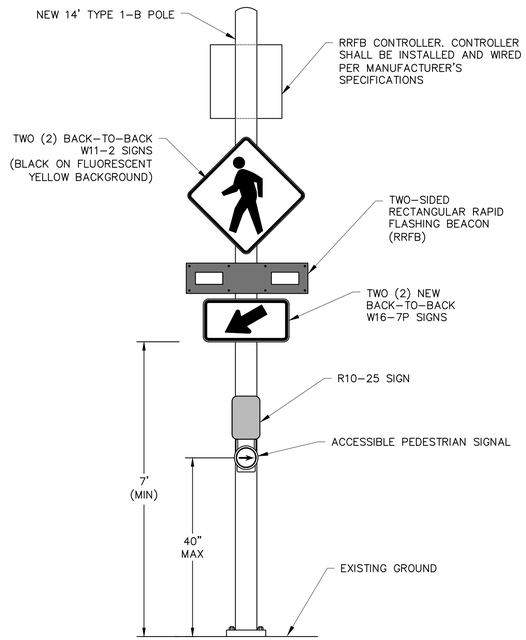
(THIS SHEET ONLY)



DETAIL B

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL (IN MEDIAN)

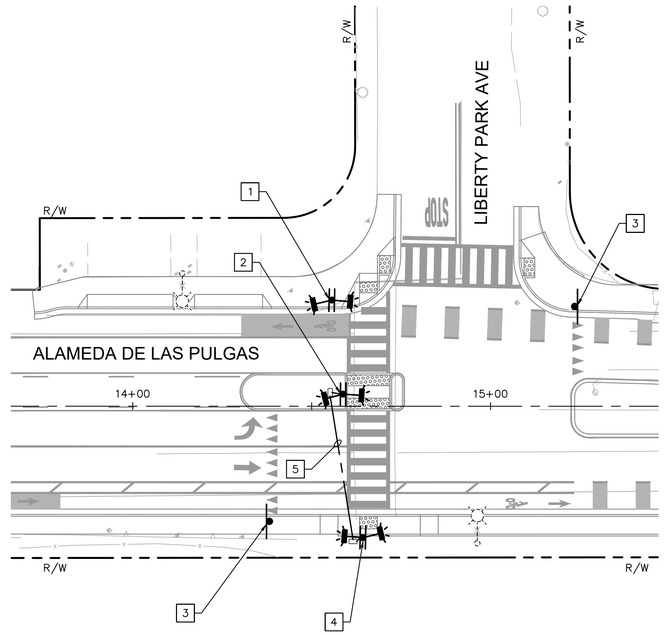
(THIS SHEET ONLY)



DETAIL C

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL

(THIS SHEET ONLY)



APPROVED:

DATE: _____

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

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

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

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

90% DESIGN FOR REVIEW ONLY JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

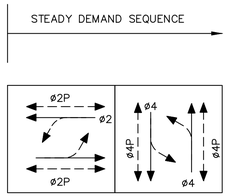
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-04
SHEET 60 OF 67

CONSTRUCTION NOTES (THIS SHEET ONLY)

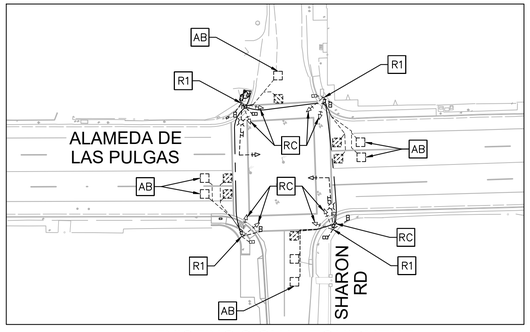
1. FURNISH AND INSTALL NEW BATTERY BACKUP SYSTEM (BBS) CABINET WITH ALL NECESSARY EQUIPMENT ON EXISTING 332 CABINET PER CALTRANS STANDARD PLANS ES-3C. MAKE ALL CONNECTIONS NECESSARY WITHIN THE BBS AND CONTROLLER CABINET FOR A PROPERLY FUNCTIONING SYSTEM.
2. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING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



EXISTING PHASE DIAGRAM

(TO REMAIN)

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

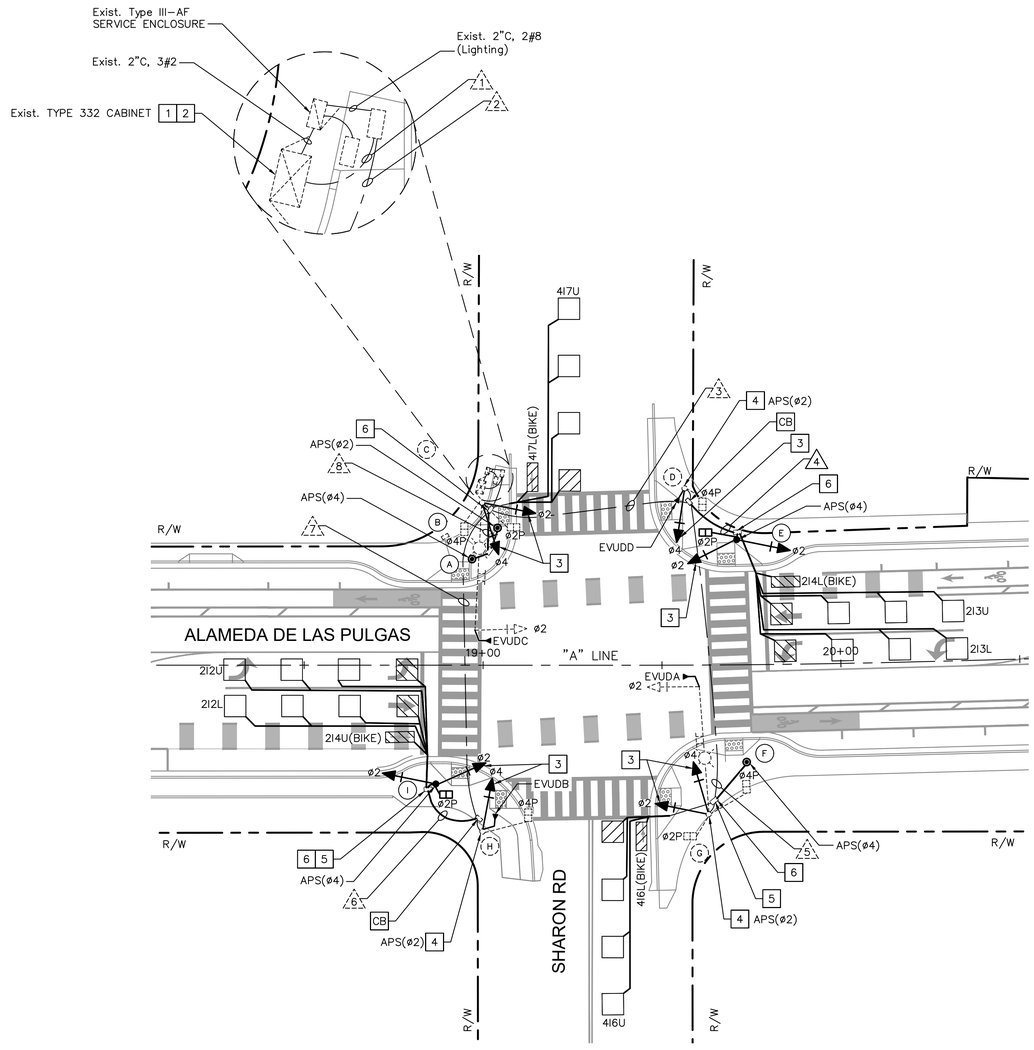


EXISTING SIGNAL EQUIPMENT

SCALE: 1" = 50'

DEMOLITION NOTES:

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



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

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

APPROVED DATE:

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-05
SHEET 61 OF 67

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

CONDUCTOR SCHEDULE

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

ALL CONDUITS AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

POLE AND EQUIPMENT SCHEDULE

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

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

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

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

APPROVED:

DATE: _____

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

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

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

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

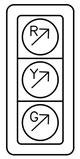
SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

TS-06
SHEET 62 OF 67

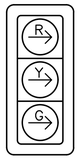
FILENAME: K:\BAY_ROW\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TS-05.DWG (TS-06)

CONSTRUCTION NOTES (THIS SHEET ONLY)

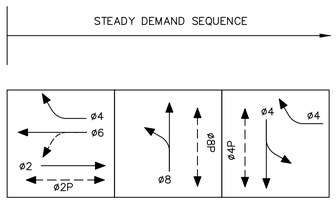
1. FURNISH AND INSTALL NEW BACKUP BATTERY SYSTEM (BBS) CABINET WITH ALL NECESSARY EQUIPMENT ON EXISTING 332 CABINET PER CALTRANS STANDARD PLANS ES-3C. MAKE ALL CONNECTIONS NECESSARY WITHIN THE BBS AND CONTROLLER CABINET FOR A PROPERLY FUNCTIONING SYSTEM.
2. REPLACE EXISTING PULL BOX WITH NEW PULL BOX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



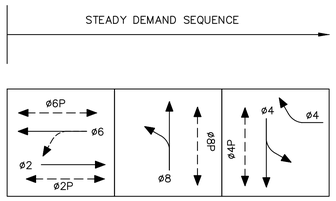
DETAIL 'A'
3-SECTION SIGNAL FACE
NOT TO SCALE



DETAIL 'B'
3-SECTION SIGNAL FACE
NOT TO SCALE

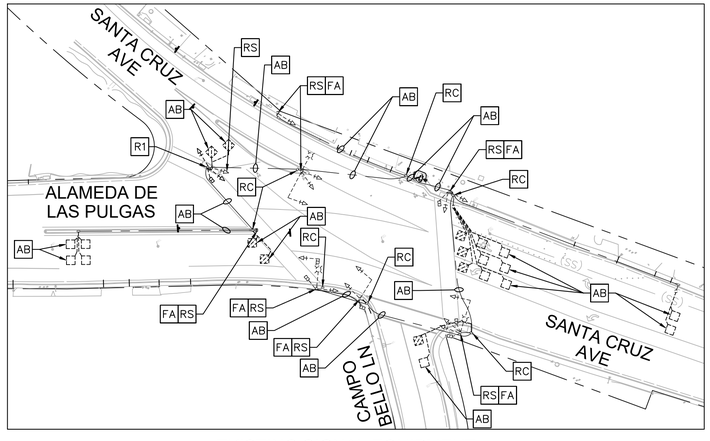


EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

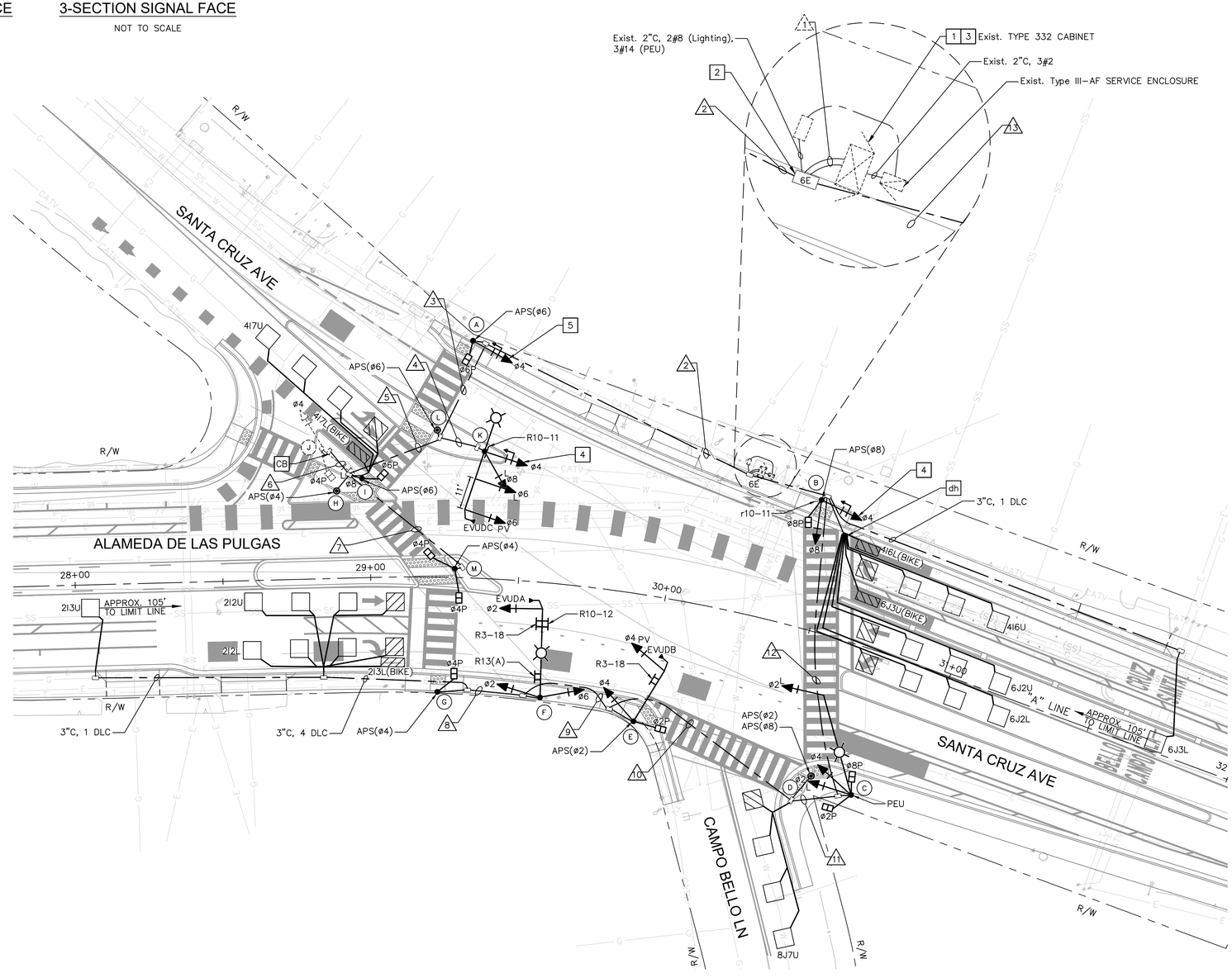
EVUDA = ø2
EVUDB = ø4
EVUDC = ø6



EXISTING SIGNAL EQUIPMENT
SCALE: 1" = 50'

DEMOLITION NOTES:

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



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

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

APPROVED:

DATE: _____

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-07
SHEET 63 OF 67

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

CONDUCTOR SCHEDULE

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

ALL POLES AND EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED.

E – EXISTING EQUIPMENT

POLE & EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	STANDARD SIGNAL MAST ARM	STANDARD LUMINAIRE MAST ARM	LUMINAIRE WATTAGE	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PEDESTRIAN SIGNAL MOUNT	PEDESTRIAN SIGNAL POLE QUAD	ACCESSIBLE PEDESTRIAN SIGNAL ø	ACCESSIBLE PEDESTRIAN SIGNAL ARROW	ACCESSIBLE PEDESTRIAN SIGNAL POLE QUAD	SNS LEGEND
A	1–B	–	–	–	–	TV–1–T	SP–1–T	NW	6	→	NW	–
B	1–B	–	–	–	–	TV–2–T	SP–1–T	NW	8	→	NW	–
C	19–3–100	35'	15'	73 LED	MAS	SV–2–T	SP–2–T	NW	–	–	–	–
D	PBAP	–	–	–	–	–	–	–	8 2	→ ←	NW	–
E	16–2–100	20'	–	–	MAS	SV–1–T	SP–1–T	NW	2	←	NW	–
F	24–4–100	30'	15'	73 LED	MAS	SV–2–T	–	–	–	–	–	–
G	1–B	–	–	–	–	–	SP–1–T	NW	4	→	NW	–
H	PBAP	–	–	–	–	–	–	–	4	←	NW	–
I	1–B	–	–	–	–	–	TP–1–T	NW	6	→	NW	–
J E	1–B E	–	–	–	–	SV–2–T E	SP–1–T E	NW	–	–	–	–
K	19–3–100	20'	12'	73 LED	MAS MAS	SV–2–T	–	–	–	–	–	–
L	PBAP	–	–	–	–	–	–	–	6	↔	NW	–
M	1–B	–	–	–	–	–	SP–2–T	NW	4	↔	NW	–

ALL POLES AND EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED.

E – EXISTING EQUIPMENT

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

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

APPROVED:

DATE: _____

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

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

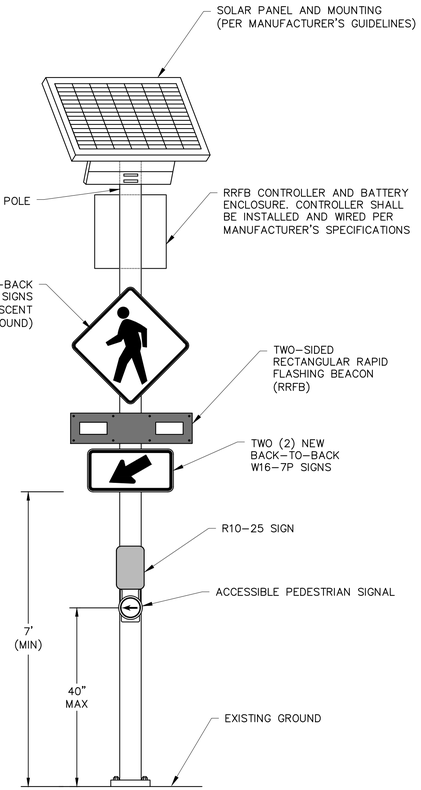
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-08
SHEET 64 OF 67

FILENAME: K:\BAY_ROWY\097888107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TS–07.DWG (TS–08)

CONSTRUCTION NOTES (THIS SHEET ONLY)

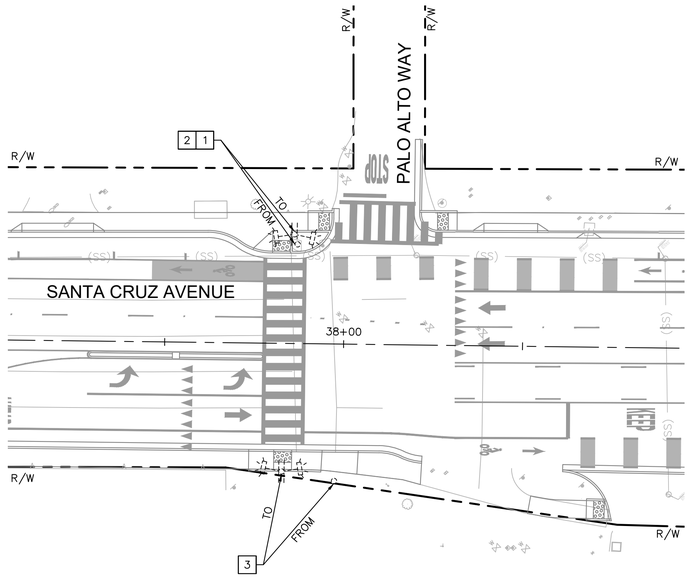
1. RELOCATE EXISTING POLE AND EQUIPMENT TO NEW FOUNDATION AS SHOWN. RELOCATE PUSH BUTTON TO FACE WEST. PLUG EXISTING HOLE WATERTIGHT. SEE DETAIL A ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.
2. ROTATE EXISTING RRFB CONTROLLER AND BATTERY ENCLOSURE TO FACE EAST.
3. RELOCATE EXISTING POLE AND EQUIPMENT TO NEW FOUNDATION AS SHOWN. SEE DETAIL A ON THIS SHEET. MAKE ALL CUTS AND CONNECTIONS FOR FULLY FUNCTIONAL RRFB SYSTEM.



DETAIL A

RRFB AND PEDESTRIAN SIGNS LOCATION DETAIL

(THIS SHEET ONLY)



APPROVED:

DATE: _____

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

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

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

90% DESIGN
FOR REVIEW ONLY
JULY 2022

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

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

COUNTY OF SAN MATEO — PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

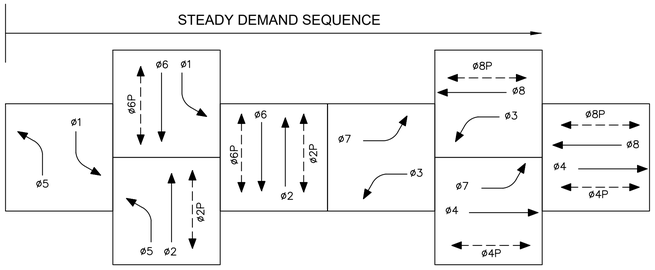
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3 4

TS-09
SHEET 65 OF 67

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

CONSTRUCTION NOTES (THIS SHEET ONLY)

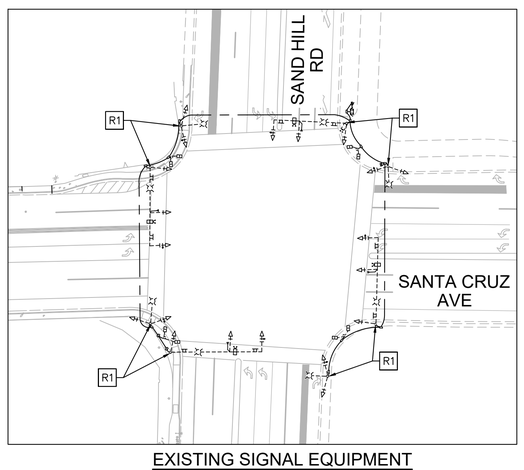
1. FURNISH AND INSTALL NEW APS PROCESSOR IN EXISTING CABINET AND PROVIDE ALL CONNECTIONS NECESSARY TO NEW APS BUTTONS.
2. FURNISH AND INSTALL NEW EXTENSION BRACKET WITH 90 DEGREE ADAPTOR ON EXISTING SIGNAL POLE. FURNISH AND INSTALL NEW APS BUTTON ON BRACKET.
3. FURNISH AND INSTALL NEW APS BUTTON ON EXISTING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



EXISTING PHASE DIAGRAM

(TO REMAIN)

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

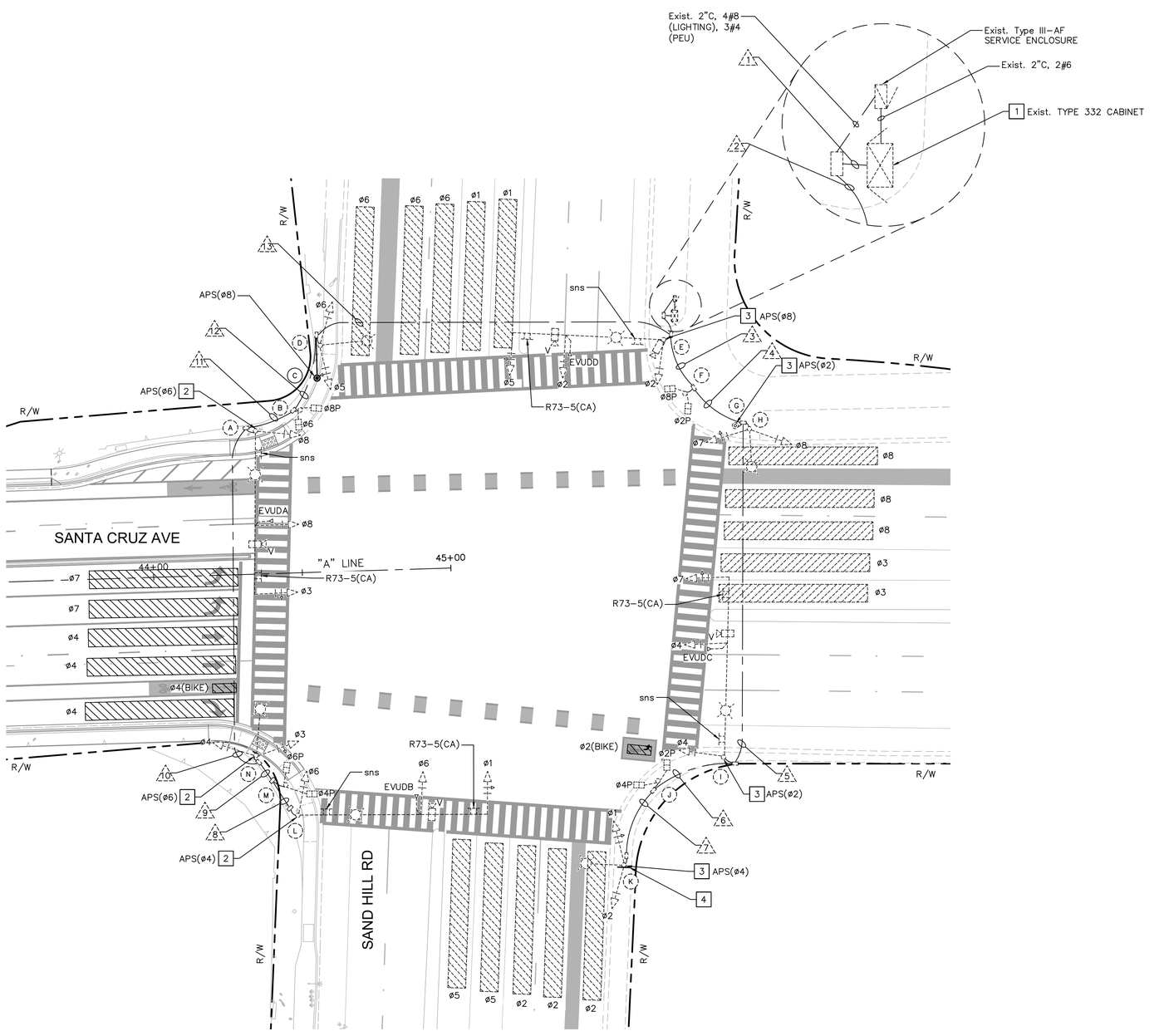


EXISTING SIGNAL EQUIPMENT

SCALE: 1" = 50'

DEMOLITION NOTES:

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



GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

90% DESIGN
FOR REVIEW ONLY
JULY 2022

APPROVED:

DATE:

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

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

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

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

COUNTY OF SAN MATEO
PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-10
SHEET 66 OF 67

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

CONDUCTOR SCHEDULE

AWG OR CABLE		NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13
NO. 14	ø1	3	3	3	3	3	3	3	3	3	3	3	3	3
	ø2	3	3	3	3	3	3	3						
	ø3										3	3	3	3
	ø4	3	3	3	3	3					3	3	3	3
	ø5	3	3											3
	ø6	3	3						3	3	3	3	3	3
	ø7	3	3	3	3	3								
	ø8	3	3	3	3							3	3	3
	ø2P	2	2	2	2	2	2							
	ø4P	2	2	2	2	2	2			2	2	2	2	2
	ø6P	2	2							2	2	2	2	2
	ø8P	2	2	2									2	2
	ø2 APS	2 N	2 N	2 N	2 N	2 N								
	ø4 APS	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N	2 N
	ø6 APS	2 N	2 N								2 N	2 N	2 N	2 N
	ø8 APS	2 N	2 N	2 N									N	2 N
	SPARES	6	3	3	3	3	3	3	3	3	3	3	3	3
	TOTAL #14	43	40	30	26	23	15	11	11	15	23	26	28	33
NO. 8	LIGHTING		2	2	2	2	2	2	2	2	2	2	2	2
	SIGNAL NEUTRAL	2	2	1	1	1	1	1	1	1	1	1	1	1
	SYSTEM GROUND	2	2	1	1	1	1	1	1	1	1	1	1	1
	TOTAL NO. 8	4	6	4	4	4	4	4	4	4	4	4	4	4
VIDEO DETECTION/ DILEMMA ZONE CAT 5E CABLE	ø1 & ø6 (SB)	1	1						1	1	1	1	1	1
	ø2 & ø5 (NB)	1	1											
	ø3 & ø8 (WB)	1	1									1	1	1
	ø4 & ø7 (EB)	1	1	1	1	1								
	TOTAL CABLE	4	4	1	1	1			1	1	1	2	2	2
EMERGENCY VEHICLE UNIT DETECTION	EVUDA	1	1									1	1	1
	EVUDB	1	1						1	1	1	1	1	1
	EVUDC	1	1	1	1	1								
	EVUDD	1	1											
	TOTAL CABLE	4	4	1	1	1			1	1	1	2	2	2
MISC	¼" PULL ROPE	1	1	1	1	1	1	1	1	1	1	1	1	1
	CONDUIT FILL (%)	22%	23%	13%	12%	11%	8%	6%	8%	9%	11%	14%	15%	16%
	CONDUIT SIZE (IN)	2–3"	2–3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

POLE & EQUIPMENT SCHEDULE

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

ALL POLES AND EQUIPMENT ARE EXISTING UNLESS OTHERWISE NOTED.

N – NEW EQUIPMENT

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

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

APPROVED:

DATE: _____

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

90% DESIGN FOR REVIEW ONLY JULY 2022

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

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

COUNTY OF SAN MATEO PUBLIC WORKS

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

SCALE: AS SHOWN
DATE: 7/22/2022
FILE NO.: E5043

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

TS-11
SHEET 67 OF 67

FILENAME: K:\BAY_ROW\Y\097889107 – SANTA CRUZ AVE – JP\08 CADD\PLANSHEETS\TS-10.DWG (TS-11)