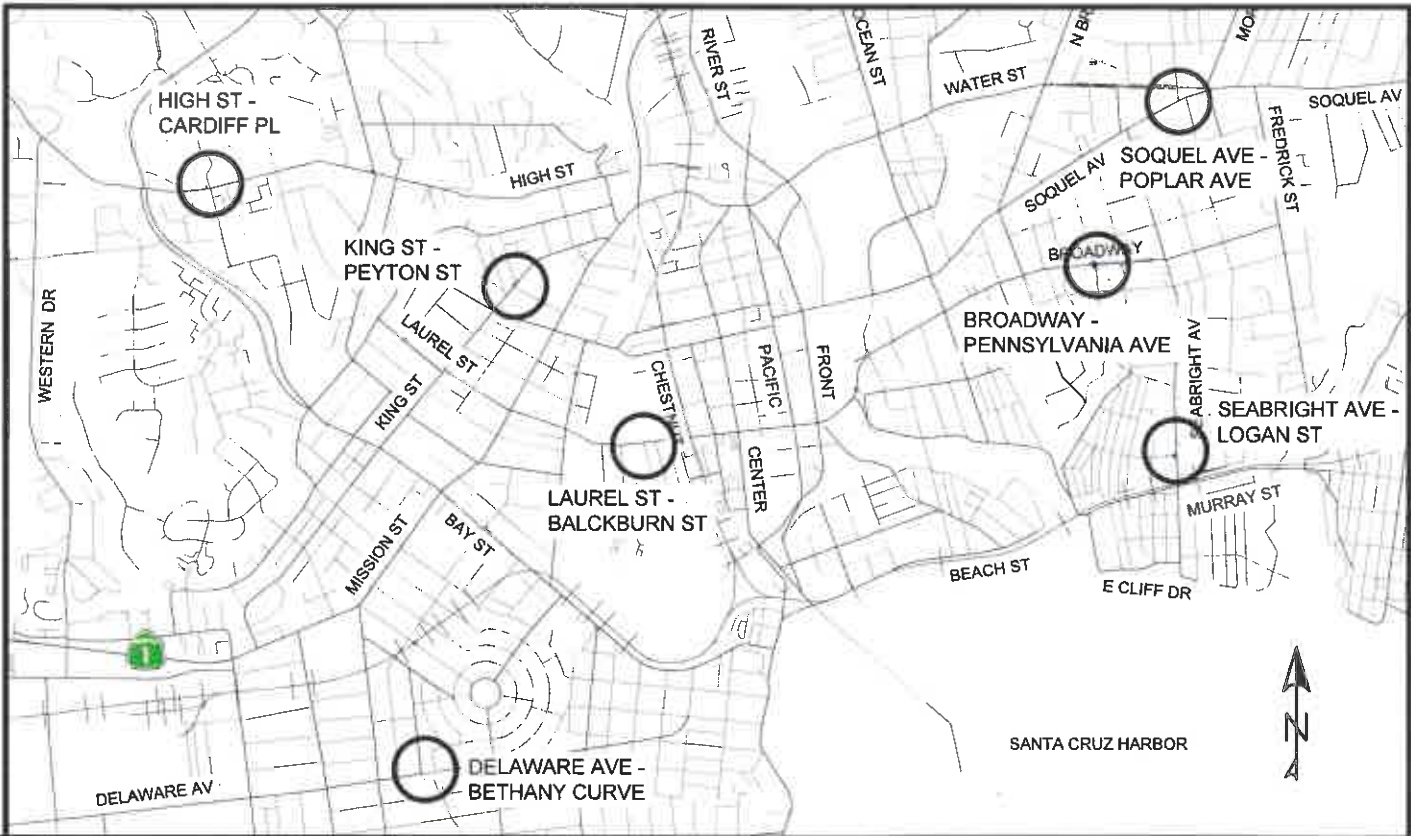




PUBLIC WORKS DEPARTMENT
HSIP CYCLE 11 & 12
UNSIGNALIZED CROSSING IMPROVEMENT PROJECT

PROJECT NO. STATE: HSIP11 - HSIPL-5025(087); CITY: c402517
PROJECT NO. STATE: HSIP12 - HSIPL-5025(090); CITY: c402610



SHEET	NAME
1	TITLE SHEET
2	NOTES AND LEGENDS
3	DELAWARE AVENUE & BETHANY CURVE
4	LAUREL STREET & BLACKBURN STREET
5	KING STREET & PEYTON STREET
6	DETAIL - KING STREET & PEYTON STREET
7	BROADWAY & PENNSYLVANIA AVENUE
8	DETAIL - BROADWAY & PENNSYLVANIA AVENUE
9	SEABRIGHT AVENUE & LOGAN STREET
10	HIGH STREET & CARDIFF PLACE
11	DETAIL - HIGH STREET & CARDIFF PLACE
12	SOQUEL AVENUE & POPLAR AVENUE
13	DETAIL - SOQUEL AVENUE & POPLAR AVENUE
14	DETAIL SHEET
15	DETAIL SHEET
16	DETAIL SHEET
17	QUANTITY SHEET

APPROVED BY: 
ASSISTANT DIRECTOR / CITY ENGINEER
CITY OF SANTA CRUZ
R.C.E. NO. 079670



REVISIONS	



CITY OF
SANTA CRUZ
PUBLIC WORKS DEPARTMENT
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12
UNSIGNALIZED CROSSING IMPROVEMENT PROJECT
TITLE SHEET

REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE NO SCALE
	DRAWN DnC	
	DESIGN DnC	SHEET 1 OF 17
	CHECKED DE	VAULT NO. 9231

PRECONSTRUCTION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INTENT OF THESE PLANS AND S/HE SHALL REPORT ANY DISCREPANCIES FOUND IN THEM TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. UNDERGROUND UTILITY LOCATIONS AND DEPTHS, WHERE SHOWN ON THE PLANS, ARE BASED ON UTILITY COMPANY RECORDS AND ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LOCATIONS AND DEPTHS FOR ALL EXISTING UTILITIES IN THE FIELD.
3. THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE AT THE TIME THIS CONTRACT IS AWARDED. THE CONTRACTOR SHALL HAVE A CITY BUSINESS LICENSE PRIOR TO COMMENCING THE WORK.
4. CITY INSPECTOR SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT THE ENGINEER IF PRIVATE IMPROVEMENTS CONTINUE TO BE IN THE CITY RIGHT-OF-WAY PRIOR TO ANY DEMOLITION, CLEARING, AND GRUBBING. UPON DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL CAREFULLY REMOVE PRIVATE IMPROVEMENTS IN THE CONSTRUCTION AREA AND CAP ANY EXISTING IRRIGATION, ELECTRICAL, AND/OR DRAINAGE AT THE BACK OF NEW WALK.

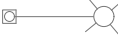
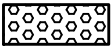
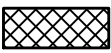
RAMP NOTES:

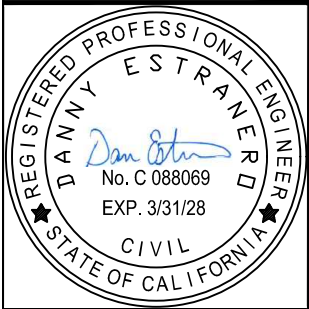
1. PRESERVE AND PROTECT EXISTING UTILITIES (I.E. - MANHOLES, METERS, FIRE HYDRANTS, ETC.)
2. ALL CONCRETE SHALL BE SIX SACK, CLASS "A" CONCRETE.
3. CURB, GUTTER, SIDEWALK AND SPANDREL/VALLEY GUTTER SHALL BE A MONOLITHIC POUR WHEREVER POSSIBLE.
4. THE RAMP SHALL HAVE A ROUGH TRANSVERSE BROOMED TEXTURE.
5. NATIVE SUBBASE SHALL BE COMPACTED TO 95%. IF MATERIAL IS SILT OR CLAY IT SHALL BE "FIRM" ACCORDING TO ASTM D1556. OTHERWISE EXCAVATE TO 12" BELOW FINISH GRADE AND REPLACE WITH CLASS II AGGREGATE BASE AND COMPACT.
6. THE CURB AND GUTTER ADJACENT TO THE RAMP LANDING SHALL BE MODIFIED SO THAT THE CROSS SLOPE OF THE GUTTER DOES NOT EXCEED 5%.
7. ANY NEW PCC CURB, GUTTER, AND SIDEWALK NEXT TO THE EXISTING PCC, SHALL BE DOWELED INTO EXISTING PCC EVERY 24" ON CENTER. USE 18" LONG #4 DOWELS.
8. SEE "STANDARD CURB, GUTTER & SIDEWALK" ON DETAILS SHEET FOR TYPICAL SECTION VIEW AND FURTHER REQUIREMENTS.
9. SPANDRELS SHALL BE REINFORCED WITH #4 BARS AT 18" O.C. BOTH WAYS OR WELDED WIRE MESH 4"X4" W4XW4, AND SHALL HAVE A MINIMUM OF 2" OF COVER. SEE SPANDREL/VALLEY GUTTER DETAIL FOR FURTHER REQUIREMENTS.
10. ALL NEW AC SHALL BE INSTALLED PER AC CONFORM ON CURB, GUTTER, AND SIDEWALK DETAILS.

PHONE NUMBERS:

*AREA CODE IS 831 UNLESS OTHERWISE NOTED		PARK & REC. DEPARTMENT..... 420-5270	
POLICE DEPARTMENT.....	420-5800 (ADMINISTRATION)	PG&E.....	476-9393
	471-1130 (DISPATCH)		
	911 (EMERGENCY)		
FIRE DEPARTMENT.....	420-5280 (ADMINISTRATION)	PACIFIC BELL.....	611-CITY
	471-1170 (ADMINISTRATION)		
	911 (EMERGENCY)		
PUBLIC WORKS DEPARTMENT..... 420-5160		U.S.A..... (800) 227-2600	
WATER DEPARTMENT..... 420-5210		CABLE T.V..... 425-1739.	

LEGEND:

	(E) CATCH BASIN		(N) SIGN AND POLE
	(E) SIGN AND POLE		(N) TRAFFIC PULL BOX
	(E) STREETLIGHT		(N) ELECTRICAL PULL BOX
	(E) FLASHING BEACON		(N) STORM WATER SURFACE FLOW
	(E) UTILITY POLE		(N) CONCRETE
	(E) WATER VALVE		(N) RED CURB
	(E) TRAFFIC PULL BOX		(N) DETECTABLE WARNING SURFACE
	(E) INTERCONNECT PULL BOX		(N) A.C. CONFORM AREA
	(E) ELECTRICAL PULL BOX		(N) RETAINING CURB
	(E) STORM DRAIN MANHOLE		DEMO AREA
	(E) SEWER MANHOLE		(N) RRFB ASSEMBLY COMBINED PUSH BUTTON POST (2.5 In. NPS)
	(E) SEWER CLEANOUT		(N) RRFB ASSEMBLY (BI-DIRECTIONAL) WITH TYPE 1B POST (4 In. NPS)
	(E) WATER MANHOLE		
	(E) TREE		
	(E) 20-40 FT PALM		(E) PARCEL LINE
	(E) FIRE HYDRANT		(E) FENCE LINE
	(E) STORM WATER SURFACE FLOW		(E) ELECTRICAL LINE
	(E) CABINET: ELECTRICAL, FIBER, ETC.		(E) SANITARY SEWER LINE
	(E) GAS		(E) STORM DRAIN LINE
	(E) WATER METER		(E) WATER LINE
	(E) WATER BACKFLOW DEVICE		(E) INTERCONNECT
			(E) TRAFFIC SIGNAL CONDUIT
			(N) ELECTRICAL LINE



REVISIONS	



CITY OF

SANTA CRUZ

PUBLIC WORKS DEPARTMENT

809 Center Street, Room 201

Santa Cruz, CA 95060

HSIP CYCLE 11 & 12

UNSIGNALIZED CROSSING IMPROVEMENT PROJECT

NOTES AND LEGENDS

REFERENCES

FIELD BOOK: #

DRAWING #: #

CHECKED DE

DATE 07/21/26

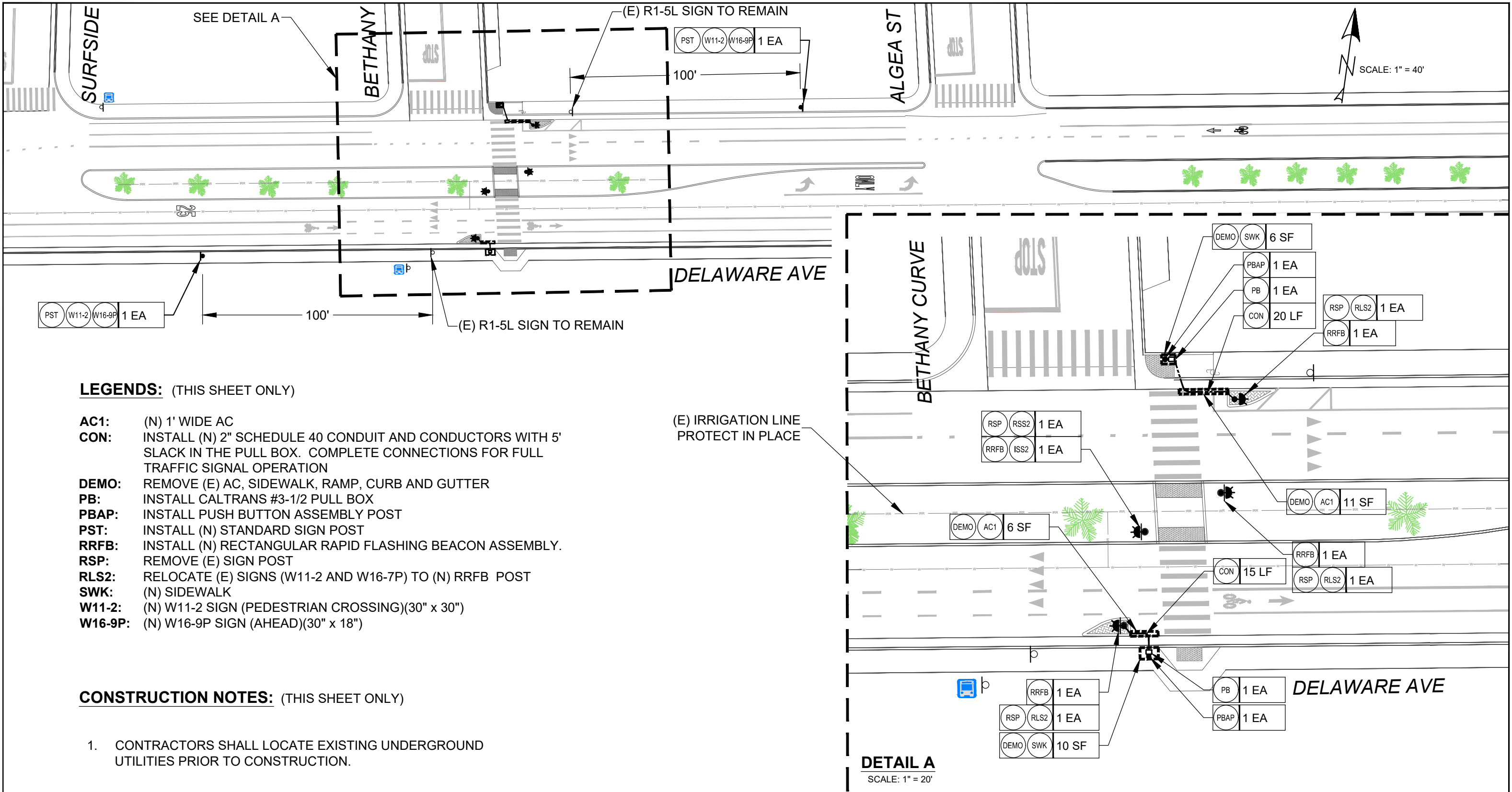
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DESIGN DnC

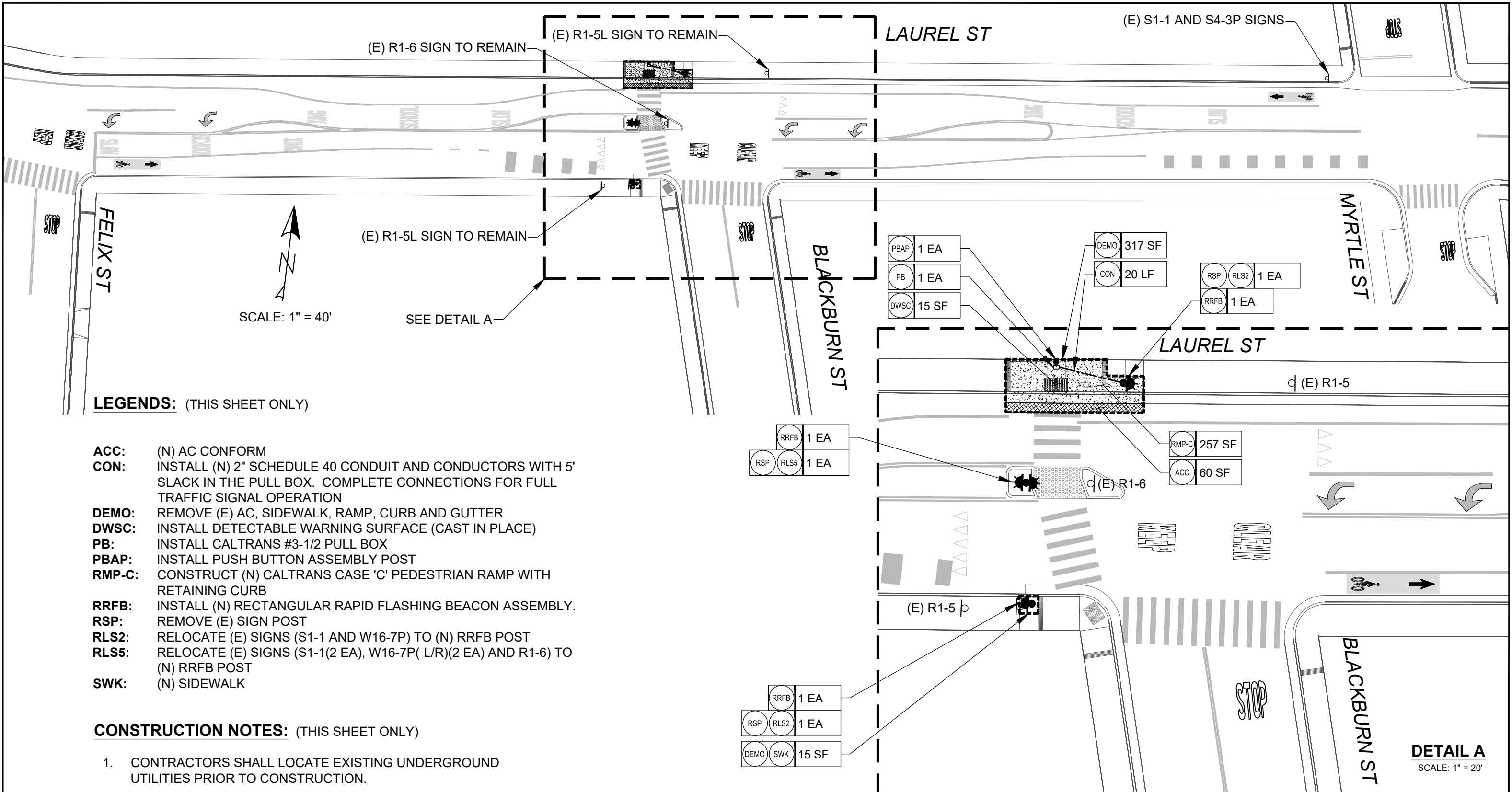
SCALE AS SHOWN

SHEET 2 OF 17

VAULT NO. 9231



	REVISIONS		 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12 UNSIGNALIZED CROSSING IMPROVEMENT PROJECT DELAWARE AVENUE & BETHANY CURVE	REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE AS SHOWN		
						DRAWN DnC		SHEET 3 OF 17	
						DESIGN DnC			VAULT NO. 9231
						CHECKED DE			



LEGENDS: (THIS SHEET ONLY)

- ACC:** (N) AC CONFORM
CON: INSTALL (N) 2" SCHEDULE 40 CONDUIT AND CONDUCTORS WITH 5' SLACK IN THE PULL BOX. COMPLETE CONNECTIONS FOR FULL TRAFFIC SIGNAL OPERATION
DEMO: REMOVE (E) AC, SIDEWALK, RAMP, CURB AND GUTTER
DWSC: INSTALL DETECTABLE WARNING SURFACE (CAST IN PLACE)
PB: INSTALL CALTRANS #3-1/2 PULL BOX
PBAP: INSTALL PUSH BUTTON ASSEMBLY POST
RMP-C: CONSTRUCT (N) CALTRANS CASE 'C' PEDESTRIAN RAMP WITH RETAINING CURB
RRFB: INSTALL (N) RECTANGULAR RAPID FLASHING BEACON ASSEMBLY.
RSP: REMOVE (E) SIGN POST
RLS2: RELOCATE (E) SIGNS (S1-1 AND W16-7P) TO (N) RRFB POST
RLS5: RELOCATE (E) SIGNS (S1-1(2 EA), W16-7P(L/R)(2 EA) AND R1-6) TO (N) RRFB POST
SWK: (N) SIDEWALK

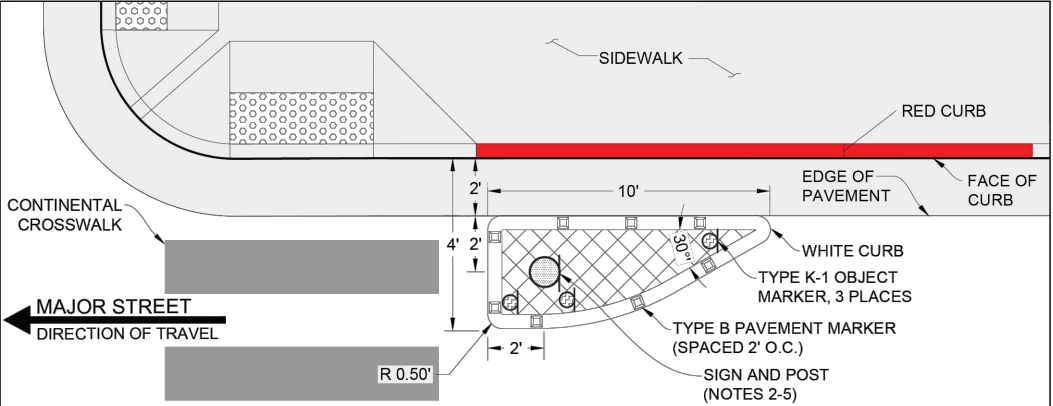
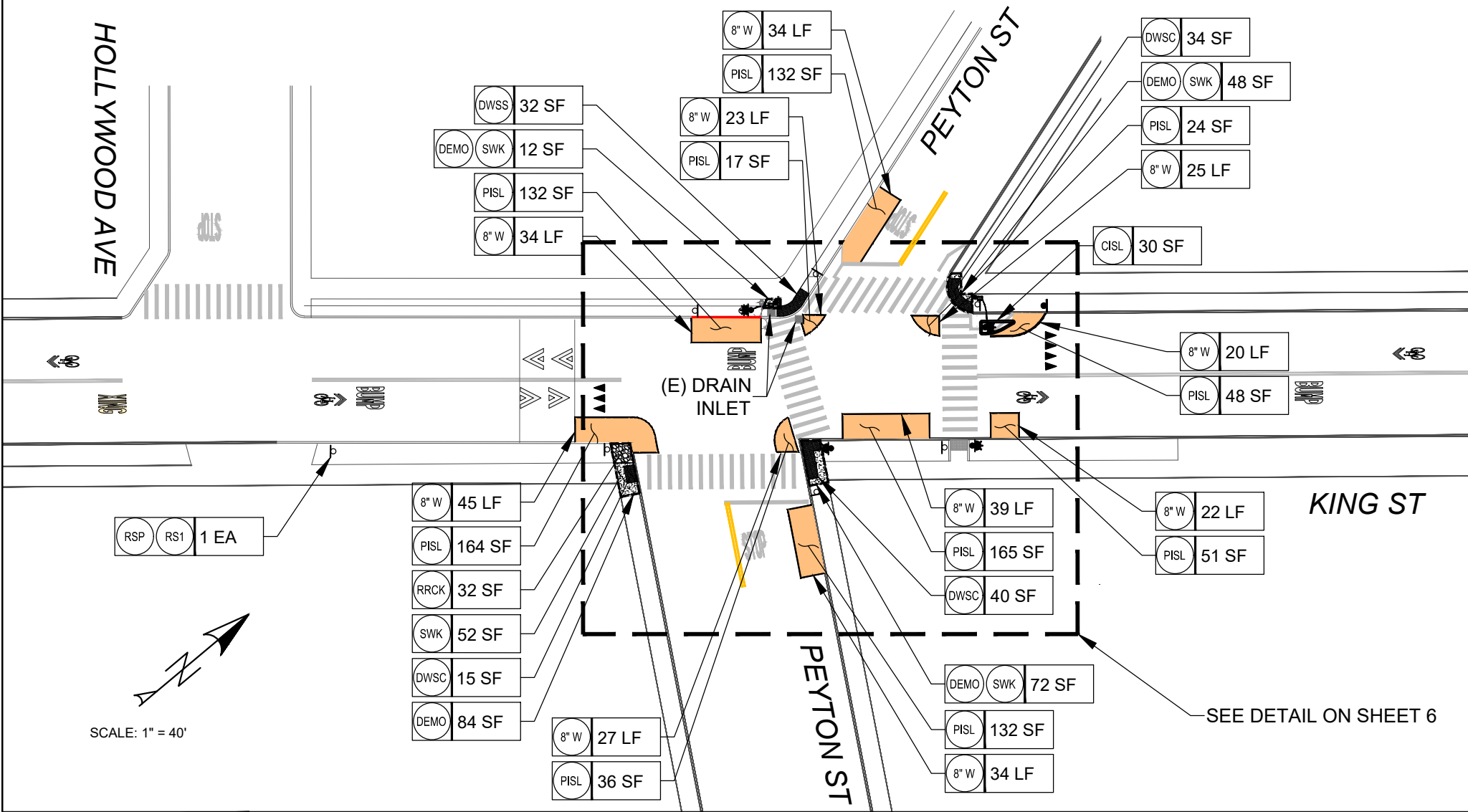
CONSTRUCTION NOTES: (THIS SHEET ONLY)

1. CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

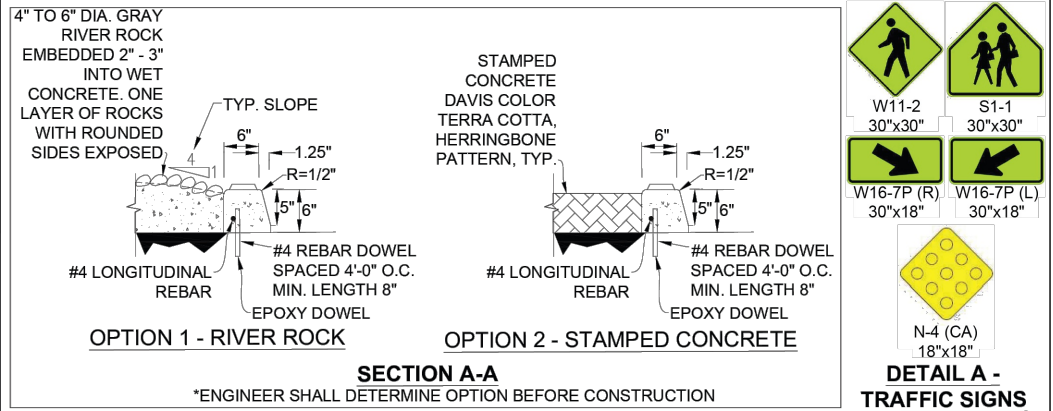
	REVISIONS		 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12		REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE AS SHOWN	
				UNSIGNALIZED CROSSING IMPROVEMENT PROJECT			DRAWN DnC		SHEET 4 OF 17
				LAUREL STREET & BLACKBURN STREET			DESIGN DnC		
							CHECKED DE	VAULT NO. 9231	

LEGENDS: (THIS SHEET ONLY)

- 8" W:** 8 INCH WHITE THERMOPLASTIC STRIPE
DEMO: REMOVE (E) SIDEWALK
DWSC: (N) DETECTABLE WARNING SURFACE (CAST IN PLACE)
DWSS: (N) DETECTABLE WARNING SURFACE (SURFACE APPLIED). GRIND (E) SIDEWALK UNDER THE PROPOSED DWSS AREA TO MAKE EDGE OF DWSS FLUSH WITH SIDEWALK
CISL: INSTALL CONCRETE ISLAND WITH CALTRANS TYPE B3 CURB (SEE DETAIL T-16 THIS SHEET)
PISL: PAINT PAVEMENT WITH MMAX DESERT KHAKI (PMS 7529C 999660KH) WITHIN THE 8" WHITE STRIPE (PAINTED ISLAND)
RRCK: 4" TO 6" DIA. GREY RIVER ROCK EMBEDDED 2" - 3" INTO WET CONCRETE. ONE LAYER OF ROCKS WITH ROUNDED SIZE EXPOSED.
RS1: REMOVE (E) SIGN (S1-1)
RSP: REMOVE (E) SIGN POST
SWK: CONSTRUCT (N) SIDEWALK



TYPICAL CROSSING ISLAND LAYOUT (PARK LANE)

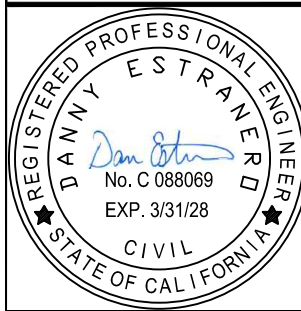


- NOTES:**
- ENGINEER TO APPROVE LAYOUT FOR ALL ISLANDS AND MARKERS PRIOR TO INSTALLATION. ENGINEER MAY REQUIRE MODIFICATION TO ISLAND DIMENSIONS TO CONFORM TO SURROUNDING AREA.
 - SEE CITY STANDARD DETAIL T-5 FOR SIGN AND POST INSTALLATION.
 - IF POST CANNOT BE INSTALLED DUE TO UTILITY CONFLICT, INSTALL SURFACE-MOUNTED TYPE Q (CA) OBJECT MARKER.
 - SIGNS SHALL BE:
A) W11-2 (OR S1-1 IF NEAR A SCHOOL ZONE) AND W16-7P ON MAJOR STREET. BACKGROUND SHALL BE FLUORESCENT YELLOW-GREEN WITH BLACK LEGEND AND BORDER.
B) N-4 (CA) [18" X 18"] ON MINOR STREET. BACKGROUND SHALL BE YELLOW.
 - W16-7P SHALL BE:
A) POINTED DOWNWARD TO THE LEFT IF SIGN IS INSTALLED ON THE RIGHT SIDE OF THE STREET (RELATIVE TO DIRECTION OF TRAVEL).
B) POINTED DOWNWARD TO THE RIGHT IF SIGN IS INSTALLED ON THE LEFT SIDE OF THEE STREET (RELATIVE TO DIRECTION OF TRAVEL).
 - ALL CONCRETE TO BE SIX SACK, CLASS "A" CONCRETE, PER LATEST CALTRANS SPECIFICATIONS.

 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	CROSSING ISLAND		REV. DATE: Jun 2025
	CITY ENGINEER: 		SCALE: N.T.S.
			DWG. NO: T - 16

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

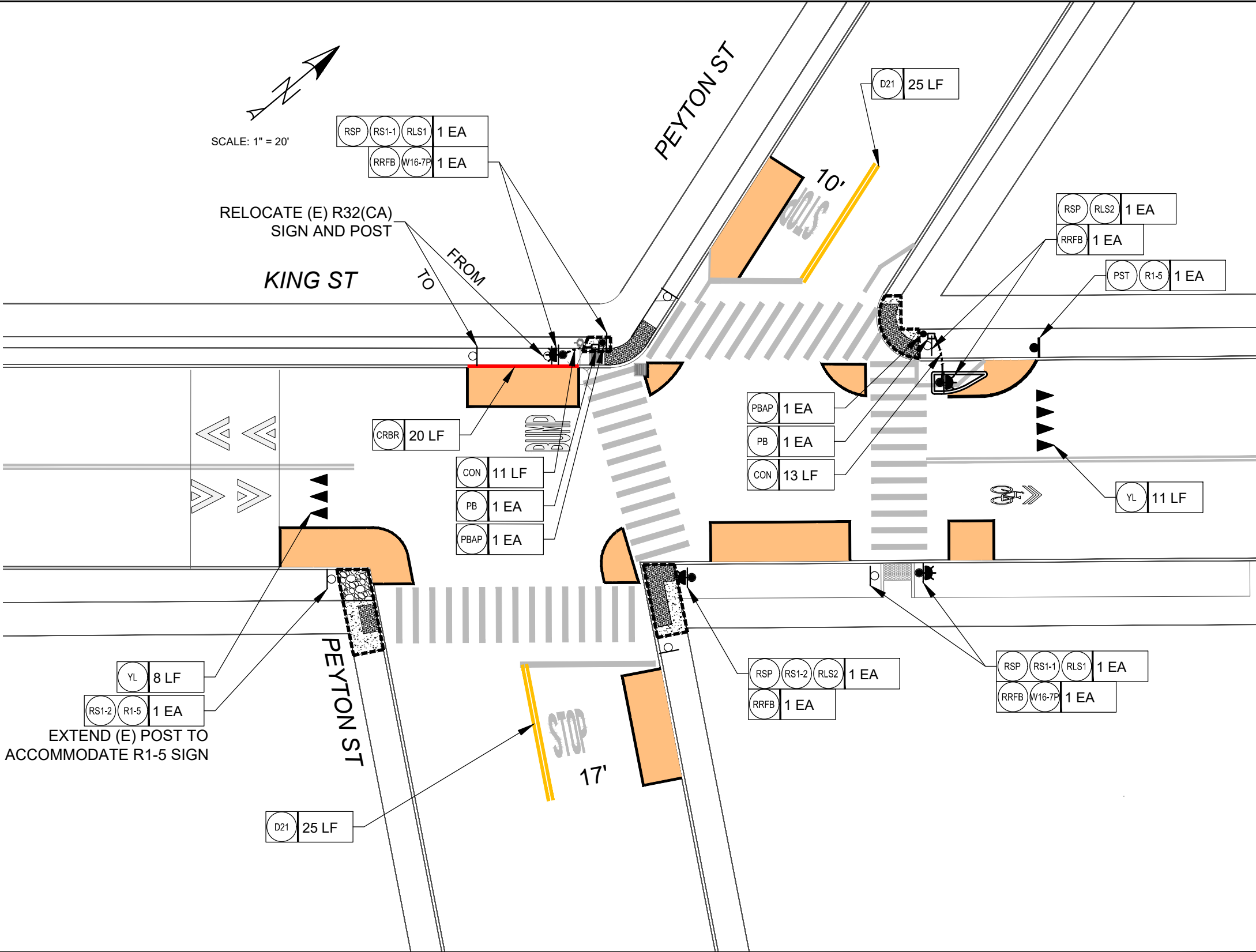
	REVISIONS		 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12		REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE AS SHOWN	
				UNSIGNALIZED CROSSING IMPROVEMENT PROJECT			DRAWN DnC		SHEET 5 OF 17
				KING STREET & PEYTON STREET			DESIGN DnC	VAULT NO. 9231	
							CHECKED DE		

LEGENDS: (THIS SHEET ONLY)

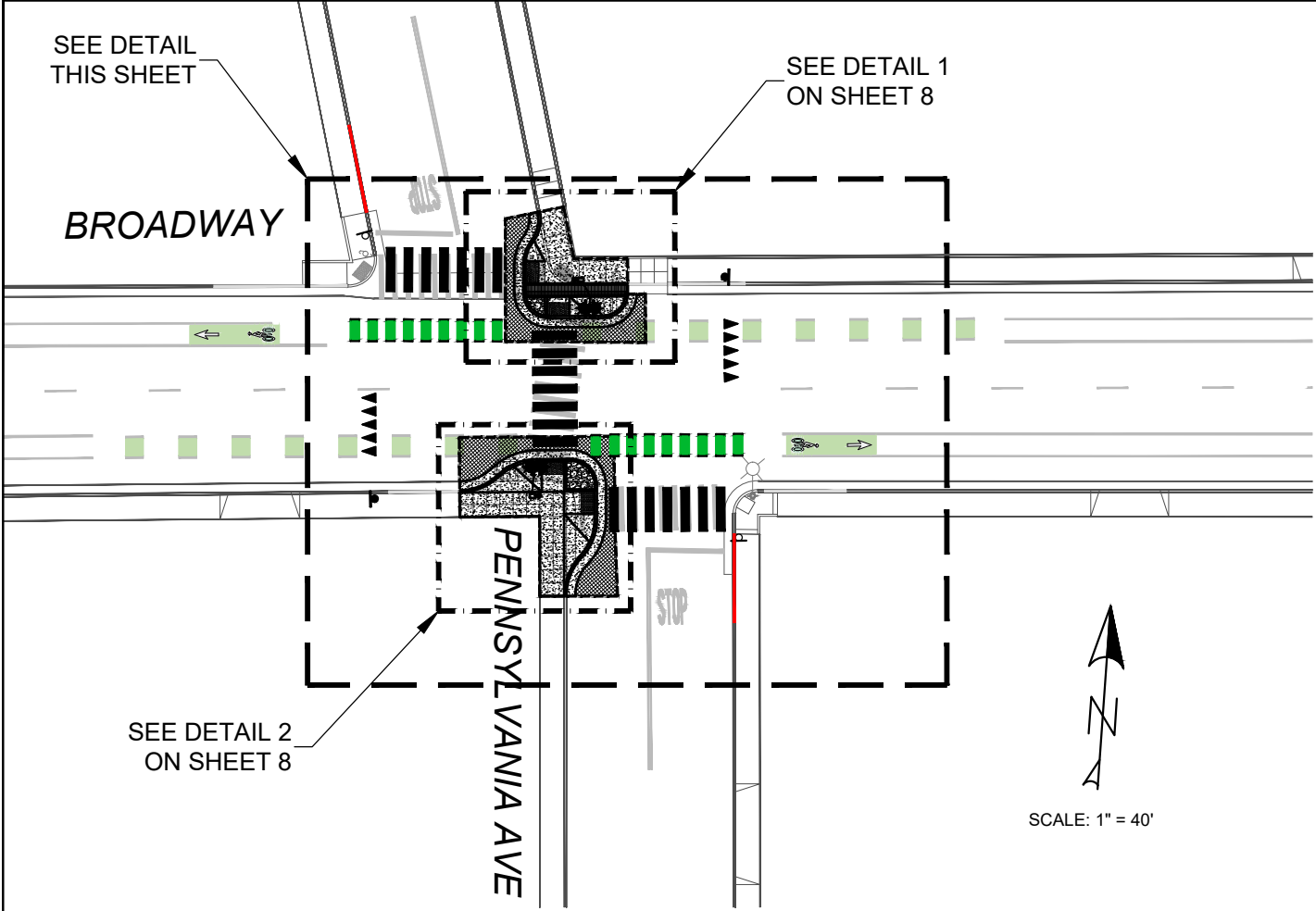
- CON:** INSTALL (N) 2" SCHEDULE 40 CONDUIT AND CONDUCTORS WITH 5' SLACK IN THE PULL BOX. COMPLETE CONNECTIONS FOR FULL TRAFFIC SIGNAL OPERATION
- CRBR:** PAINT CURB RED
- D21:** DETAIL 21 STRIPE
- PB:** INSTALL CALTRANS #3-1/2 PULL BOX
- PBAP:** INSTALL PUSH BUTTON ASSEMBLY POST
- PST:** INSTALL (N) STANDARD SIGN POST
- R1-5:** (N) R1-5(L/R) SIGN (YIELD HERE)
- RLS1:** RELOCATE (E) SIGN (S1-1) TO (N) RRFB POST
- RLS2:** RELOCATE (E) SIGNS (S1-1 AND W16-7P(L)) TO (N) RRFB POST
- RRFB:** INSTALL (N) RECTANGULAR RAPID FLASHING BEACON ASSEMBLY.
- RS1-1:** REMOVE (E) 16-7P(L) SIGN
- RS1-2:** REMOVE (E) R32 (CA) SIGN (TIME LIMIT PARKING)
- RSP:** REMOVE (E) SIGN POST
- S1-1:** (N) S1-1 SIGN (SCHOOL CROSSING) (30" x 30")
- W16-7P:** (N) W16-7P(R) SIGN (DIRECTIONAL ARROW) (30" X 18")
- YL:** YIELD LINE (PER CITY STD DETAIL T-9)

CONSTRUCTION NOTES: (THIS SHEET ONLY)

1. CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.



	REVISIONS			CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12 UNSIGNALIZED CROSSING IMPROVEMENT PROJECT DETAIL - KING STREET & PEYTON STREET	REFERENCES	DATE 07/21/26	SCALE AS SHOWN
						FIELD BOOK: #	DRAWN DnC	SHEET 6 OF 17
						DRAWING #: #	DESIGN DnC	Vault No.
							CHECKED DE	9231

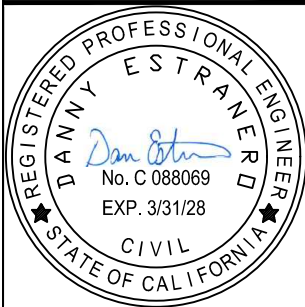
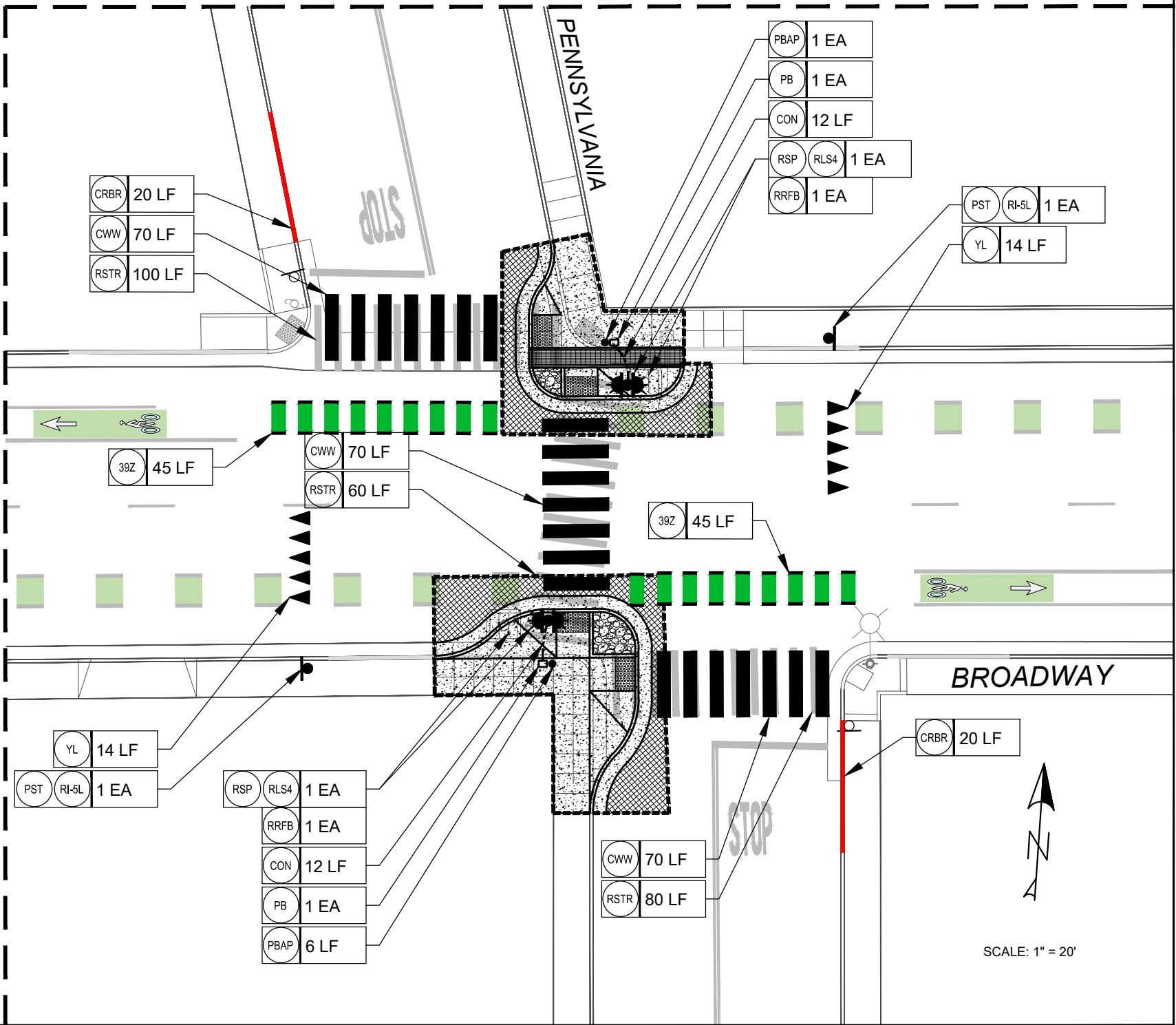


LEGENDS: (THIS SHEET ONLY)

- 39Z:** DETAIL 39Z (PER CITY STD DETAIL T-10)
CON: INSTALL (N) 2" SCHEDULE 40 CONDUIT AND CONDUCTORS WITH 5' SLACK IN THE PULL BOX. COMPLETE CONNECTIONS FOR FULL TRAFFIC SIGNAL OPERATION
CRBR: PAINT CURB RED
PB: INSTALL CALTRANS #3-1/2 PULL BOX
PBAP: INSTALL PUSH BUTTON ASSEMBLY POLE
PST: INSTALL (N) STANDARD SIGN POST
R1-5: (N) R1-5(L/R) SIGN (YIELD HERE) (24" x 24")
RLS4: RELOCATE (E) SIGNS (W11-2 (2 EA) AND W16-7P (2 EA)) TO (N) RRFB POST
RRFB: INSTALL (N) RECTANGULAR RAPID FLASHING BEACON ASSEMBLY.
RSP: REMOVE (E) SIGN POST
RSTR: REMOVE (E) STRIPES
YL: YIELD LINE (PER CITY STD DETAIL T-9)

CONSTRUCTION NOTES: (THIS SHEET ONLY)

1. CONTRACTORS SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.



REVISIONS	

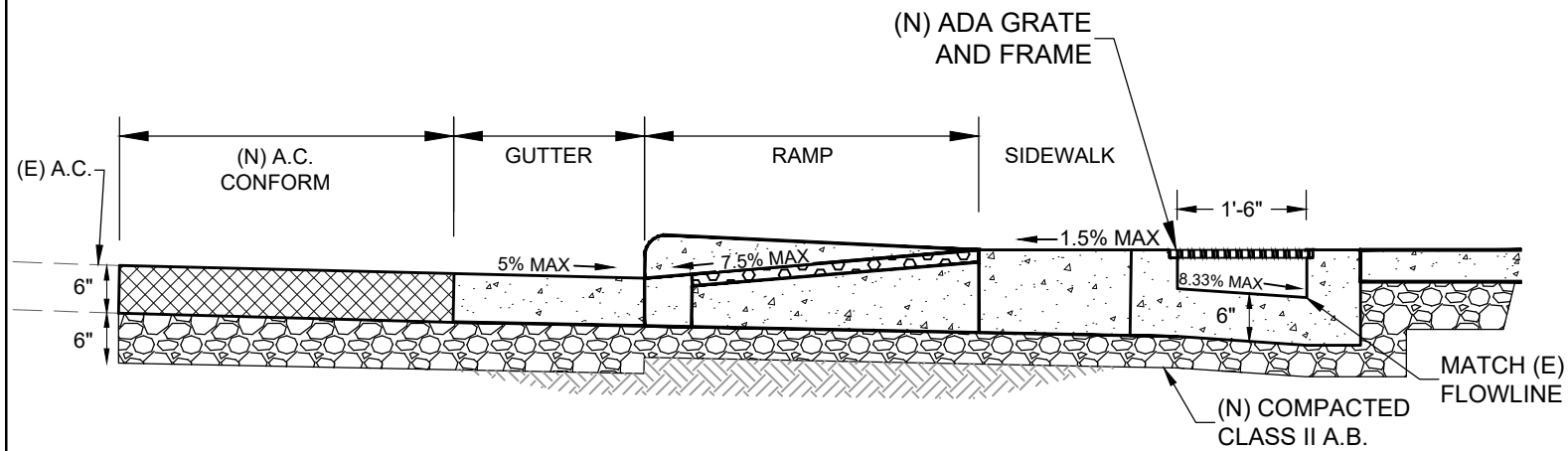
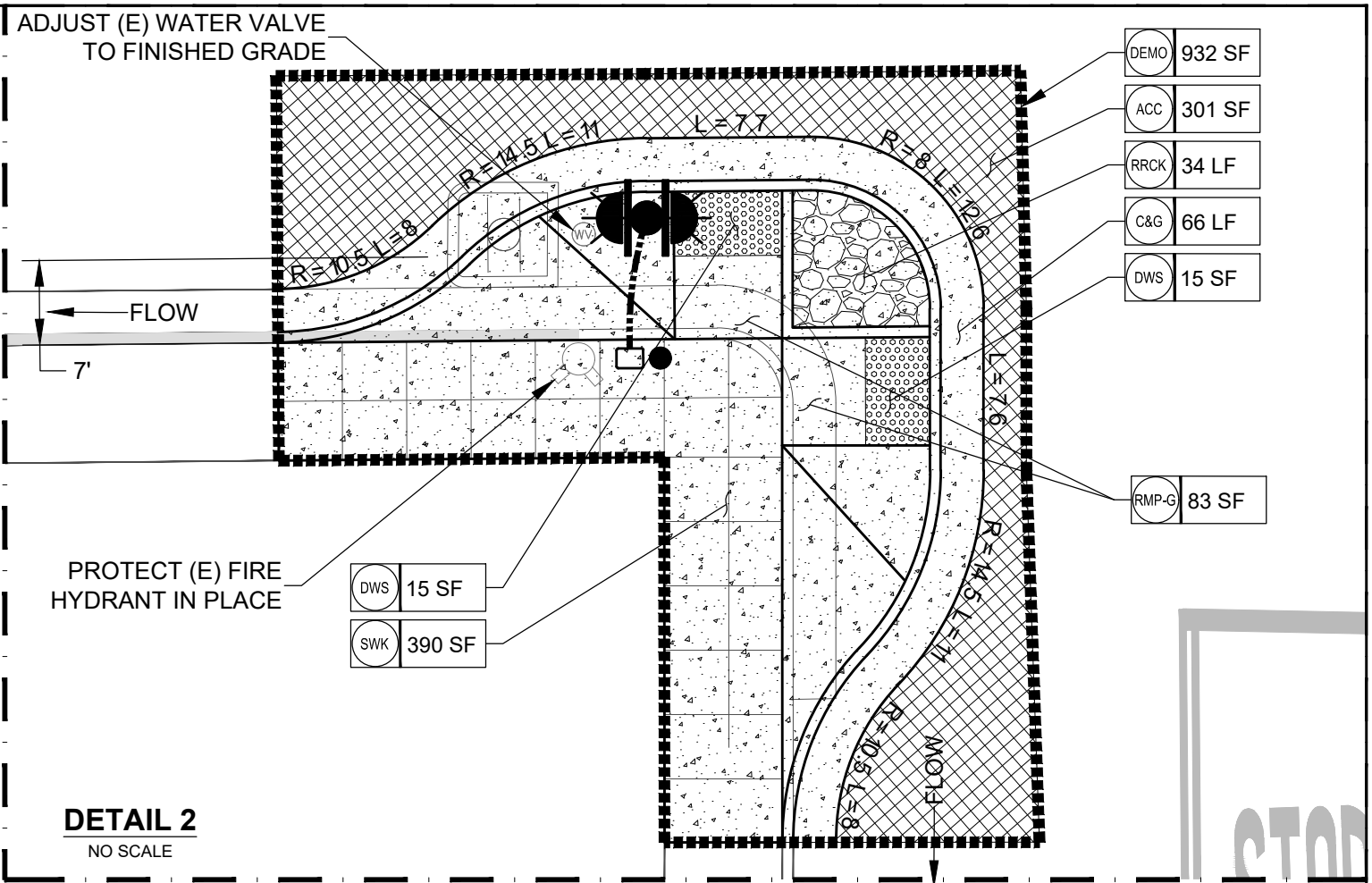
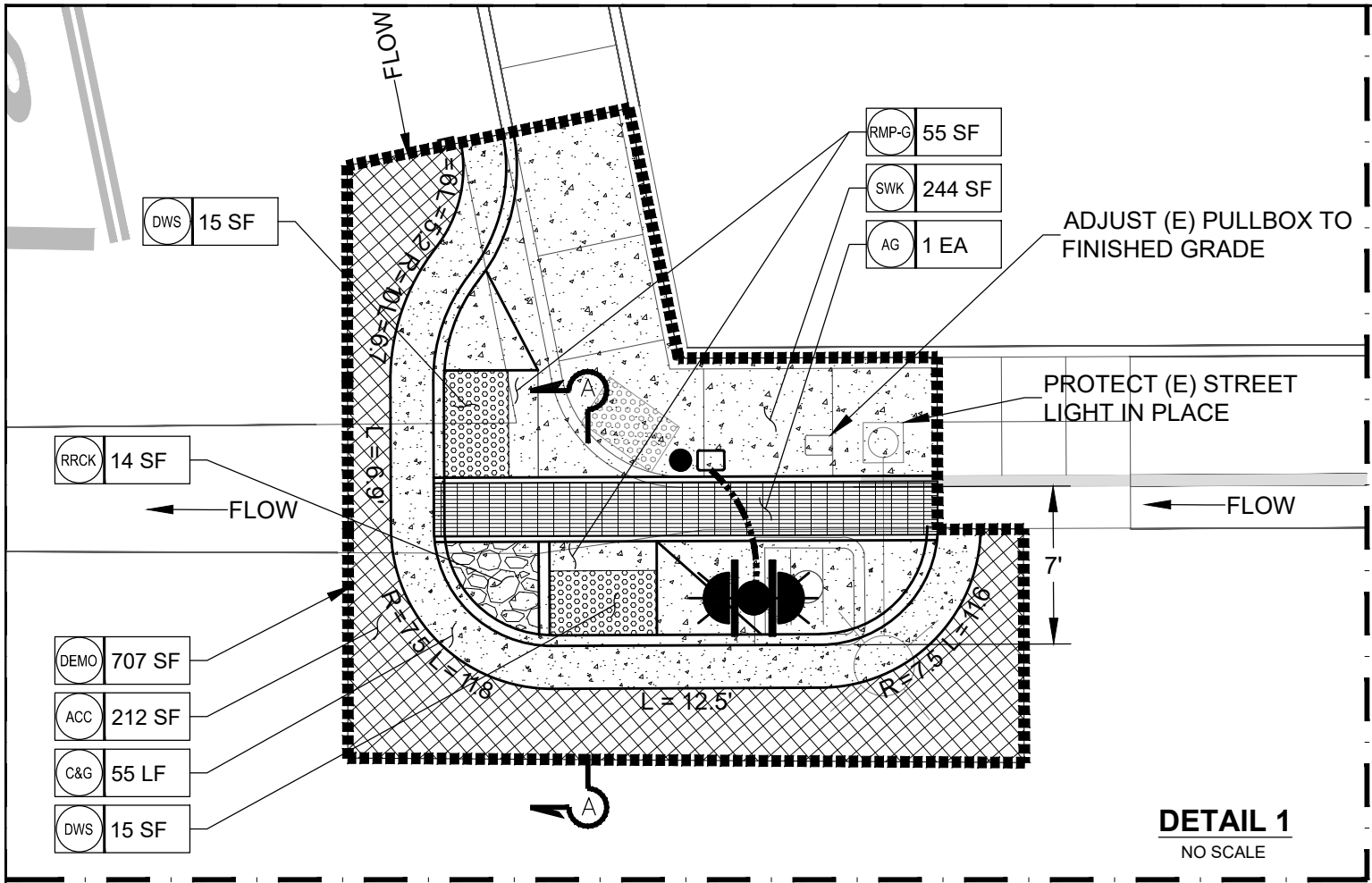


CITY OF
SANTA CRUZ
PUBLIC WORKS DEPARTMENT
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12
UNSIGNALIZED CROSSING IMPROVEMENT PROJECT
BROADWAY & PENNSYLVANIA AVENUE

REFERENCES FIELD BOOK: # DRAWING #: #	DATE	07/21/26
	DRAWN	DnC
	DESIGN	DnC
	CHECKED	DE

SCALE	AS SHOWN
SHEET	7 OF 17
Vault No.	9231



LEGENDS: (THIS SHEET ONLY)

- ACC:** (N) AC CONFORM
- AG:** INSTALL ADA FRAME AND GRATE. FRAME SHALL BE IRONSMITH 9000F-X (OR APPROVED EQUAL). GRATE SHALL BE IRONSMITH 9032-18 (OR APPROVED EQUAL)
- C&G:** INSTALL (N) CURB AND GUTTER
- DEMO:** REMOVE (E) AC, SIDEWALK, RAMP, CURB AND GUTTER
- DWS:** INSTALL DETECTABLE WARNING SURFACE (CAST IN PLACE)
- RMP-G:** CONSTRUCT (N) CALTRANS CASE 'G' PEDESTRIAN RAMP
- RRCK:** 4" TO 6" DIA. GREY RIVER ROCK EMBEDDED 2" - 3" INTO WET CONCRETE.
- SWK:** CONSTRUCT (N) SIDEWALK

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- CONTRACTORS SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

	REVISIONS		CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12 UNSIGNALIZED CROSSING IMPROVEMENT PROJECT DETAIL - BROADWAY & PENNSYLVANIA AVENUE	REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE AS SHOWN	
						DRAWN DnC		SHEET 8 OF 17
						DESIGN DnC		
						CHECKED DE	Vault No. 9231	

CONSTRUCTION NOTES: (THIS SHEET ONLY)

1. CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

(E) 1B POLE TO REMAIN

SCALE: 1" = 40'

(E) W11-2 SIGN

SEE DETAIL
THIS SHEET

SEABRIGHT AVE

RLS2 1 EA
RRFB 1 EA
W11-2 W16-7P 1 EA

PST R1-5L 1 EA

YL 14 LF

D39Z 50 LF

YL 11 LF

RSTR D22 30 LF

PST R1-5L 1 EA

RSTR 72 LF

DEMO 680 SF

ACC 255 SF

CRBR 30 LF

D22 25 LF

SEE CURB EXTENSION
DETAIL THIS SHEET

LOGAN ST

SCALE: 1" = 20'

RMRK STP 22 SF

DWSC 15 SF
RMP-G 40 SF

RRCK 25 SF
DWSC 15 SF
RMP-G 50 SF

PROTECT (E)
R1-1 SIGN AND
POST IN PLACE

SW 168 SF
C&G 48 LF

CWW 50 LF
LL 12 LF

LOGAN ST

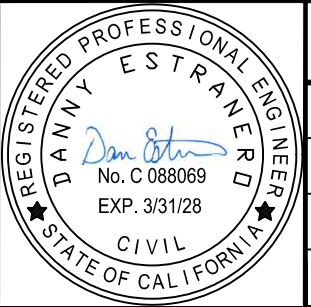
LEGENDS: (THIS SHEET ONLY)

- ACC:** (N) AC CONFORM
C&G: INSTALL (N) CURB AND GUTTER
CRBR: PAINT CURB RED
CWW CONTINENTAL CROSSWALK WHITE (PER CITY STD DETAIL T-9)
D22: DETAIL 22 STRIPE
D39Z: DETAIL 39Z (PER CITY STD DETAIL T-10)
DEMO: REMOVE (E) AC, SIDEWALK, RAMP, CURB AND GUTTER
DWSC: INSTALL DETECTABLE WARNING SURFACE (CAST IN PLACE)
LL: LIMIT LINE (12" WHITE LINE)
PST: INSTALL (N) STANDARD SIGN POST
SWK: CONSTRUCT (N) SIDEWALK
R1-5L: (N) R1-5(L) SIGN (YIELD HERE) (24" x 24")
RMP-G CONSTRUCT (N) CALTRANS CASE 'G' PEDESTRIAN RAMP
RRCK: 4" TO 6" DIA. GREY RIVER ROCK EMBEDDED 2" - 3" INTO WET CONCRETE. ONE LAYER OF ROCKS WITH ROUNDED SIZE EXPOSED.
RRFB: INSTALL (N) RECTANGULAR RAPID FLASHING BEACON ASSEMBLY.
RSP: REMOVE (E) SIGN POST
RLS2: RELOCATE (E) SIGNS (W11-2 AND W16-7P) TO (N) RRFB POST
RMRK: REMOVE (E) MARKING
RSTR: REMOVE (E) STRIPES
STP: "STOP MARKING"
W11-2: (N) W11-2 SIGN (PEDESTRIAN CROSSING) (30" x 30")
W16-7P: (N) W16-7P(R) SIGN (DIRECTIONAL ARROW) (30" X 18")
YL: (N) YIELD LINE

(E) GUTTER LIP

CURB EXTENSION DETAIL

SCALE: 1" = 6'



REVISIONS



CITY OF
SANTA CRUZ

PUBLIC WORKS DEPARTMENT
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12

UNSIGNALIZED CROSSING IMPROVEMENT PROJECT

SEABRIGHT AVENUE & LOGAN STREET

REFERENCES

FIELD BOOK:

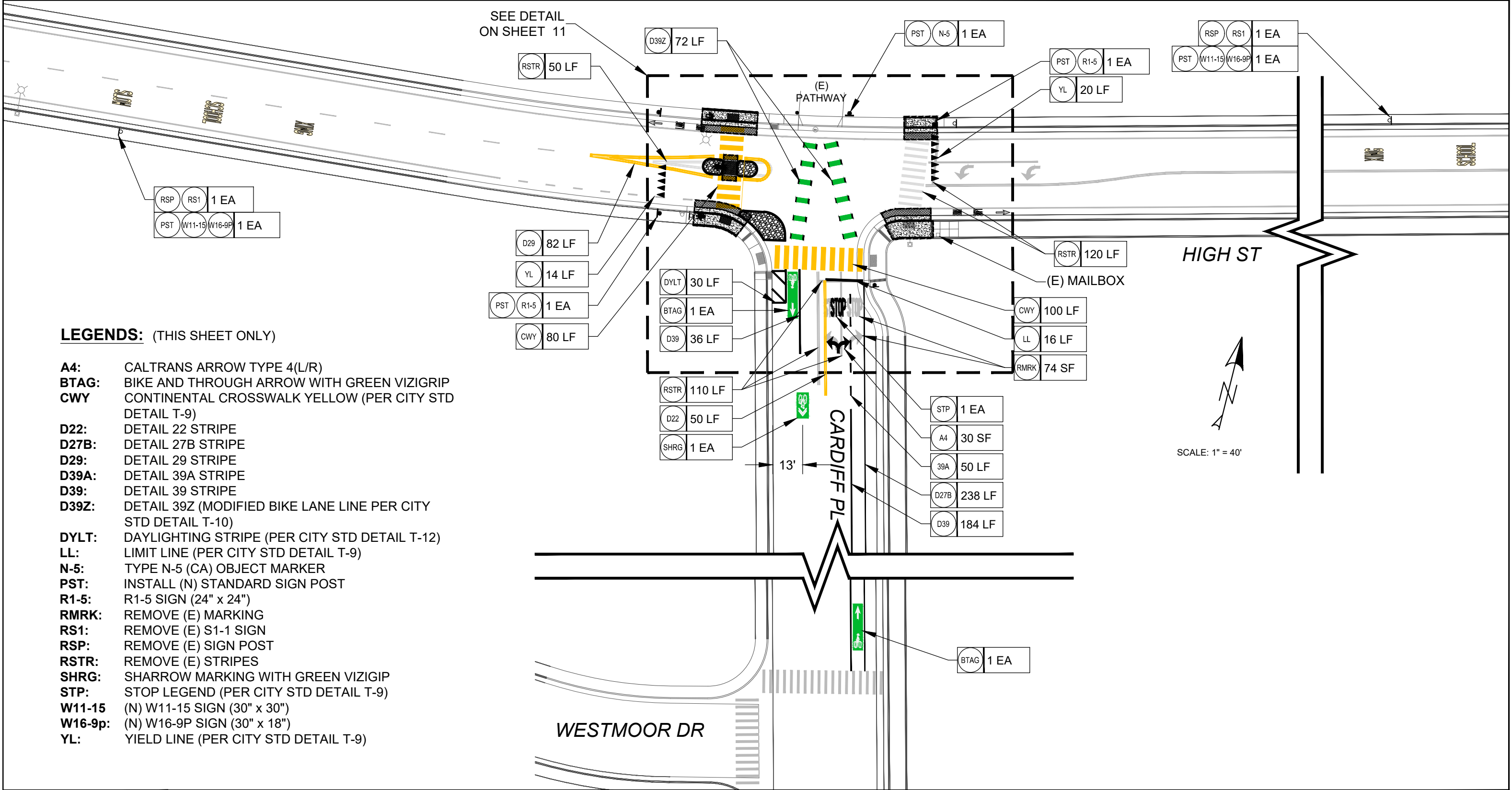
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DATE 07/21/26
DRAWN DnC
DESIGN DnC
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SCALE AS SHOWN

SHEET 9 OF 17

VAULT NO.
9231



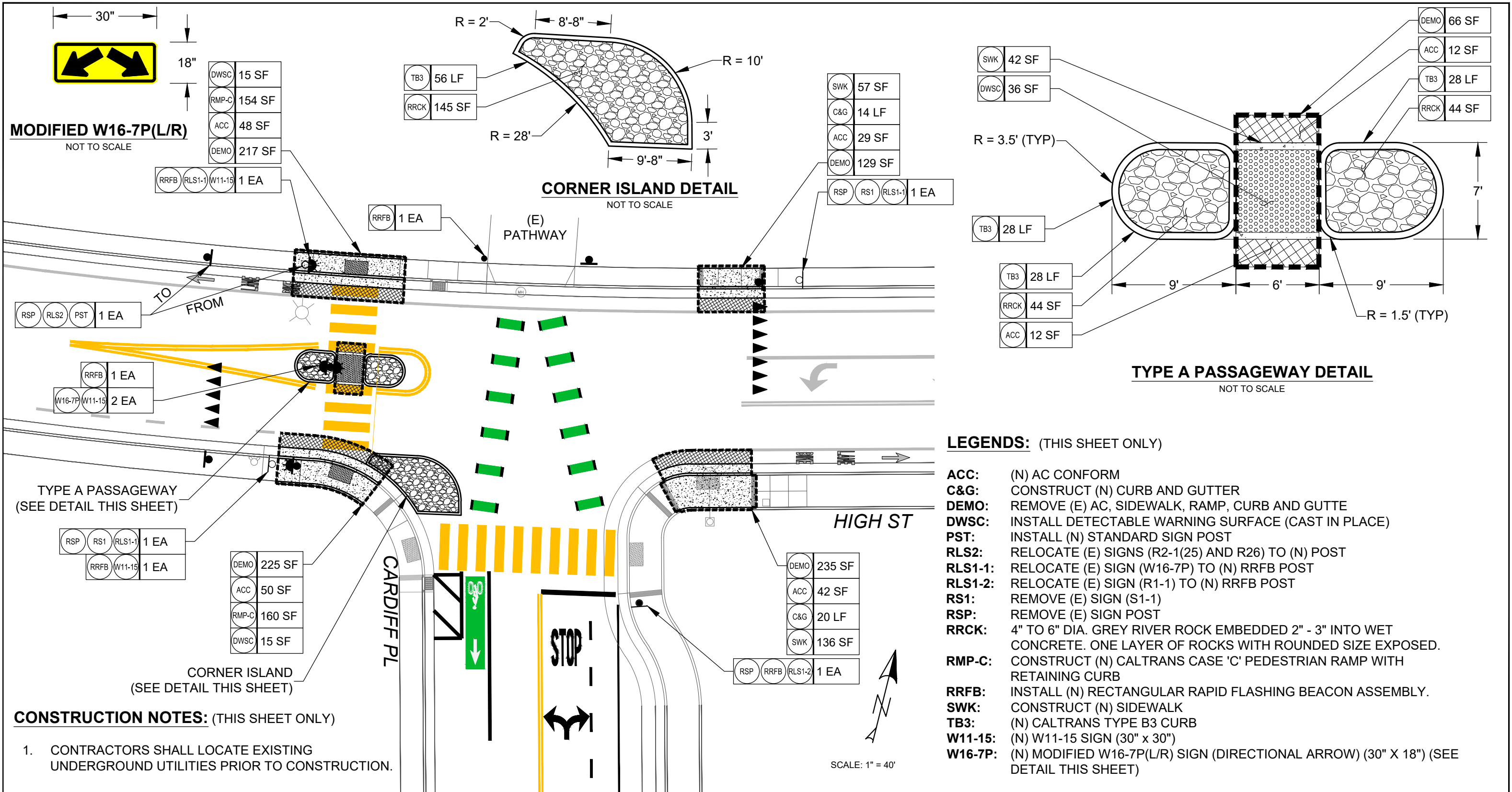
REVISIONS	

CITY OF SANTA CRUZ
SANTA CRUZ
PUBLIC WORKS DEPARTMENT
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12
UNSIGNALIZED CROSSING IMPROVEMENT PROJECT
HIGH STREET & CARDIFF PLACE

REFERENCES	DATE	07/21/26
FIELD BOOK: #	DRAWN	DnC
DRAWING #: #	DESIGN	DnC
	CHECKED	DE

SCALE AS SHOWN
SHEET 10 OF 17
VAULT NO. 9231



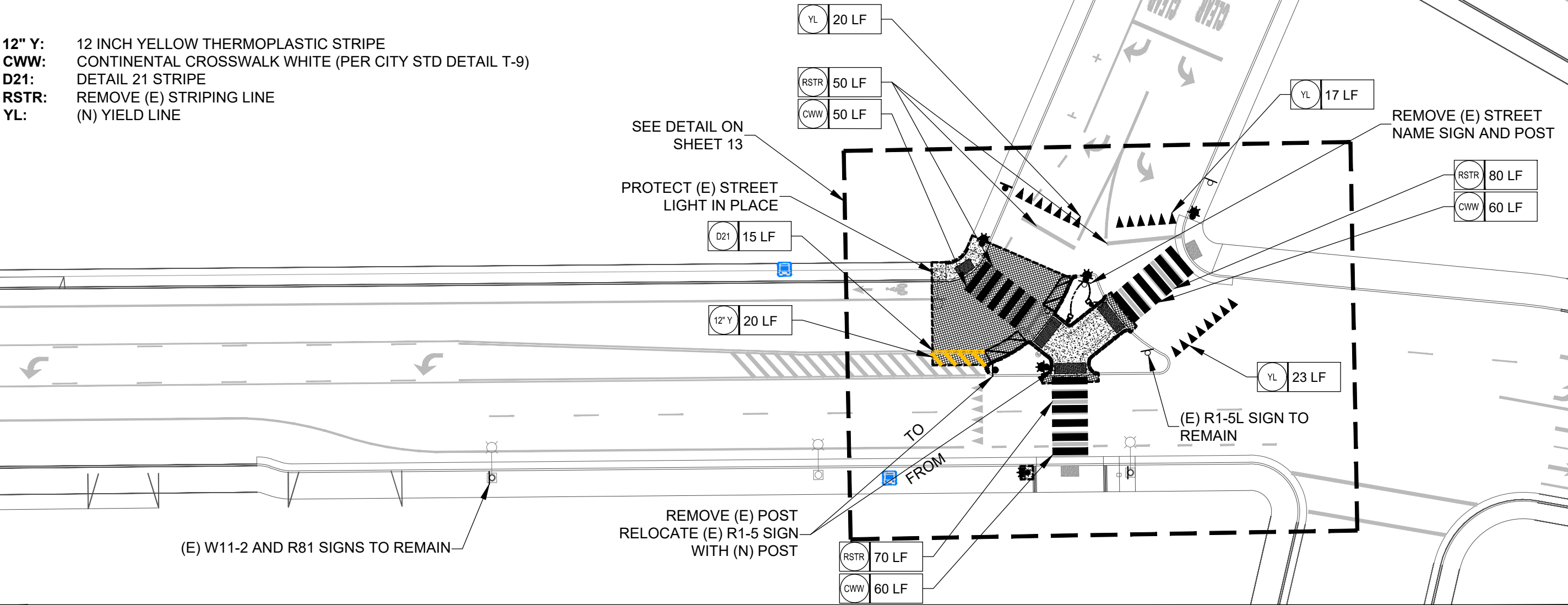
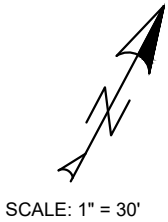
	REVISIONS			CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060		HSIP CYCLE 11 & 12 UNSIGNALIZED CROSSING IMPROVEMENT PROJECT DETAIL - HIGH STREET & CARDIFF PLACE	REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE AS SHOWN
								DRAWN DnC	
								DESIGN DnC	SHEET 11 OF 17
								CHECKED DE	VAULT NO. 9231

CONSTRUCTION NOTES:

- 1. CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

LEGENDS: (THIS SHEET ONLY)

- 12" Y: 12 INCH YELLOW THERMOPLASTIC STRIPE
- CWW: CONTINENTAL CROSSWALK WHITE (PER CITY STD DETAIL T-9)
- D21: DETAIL 21 STRIPE
- RSTR: REMOVE (E) STRIPING LINE
- YL: (N) YIELD LINE



REVISIONS	



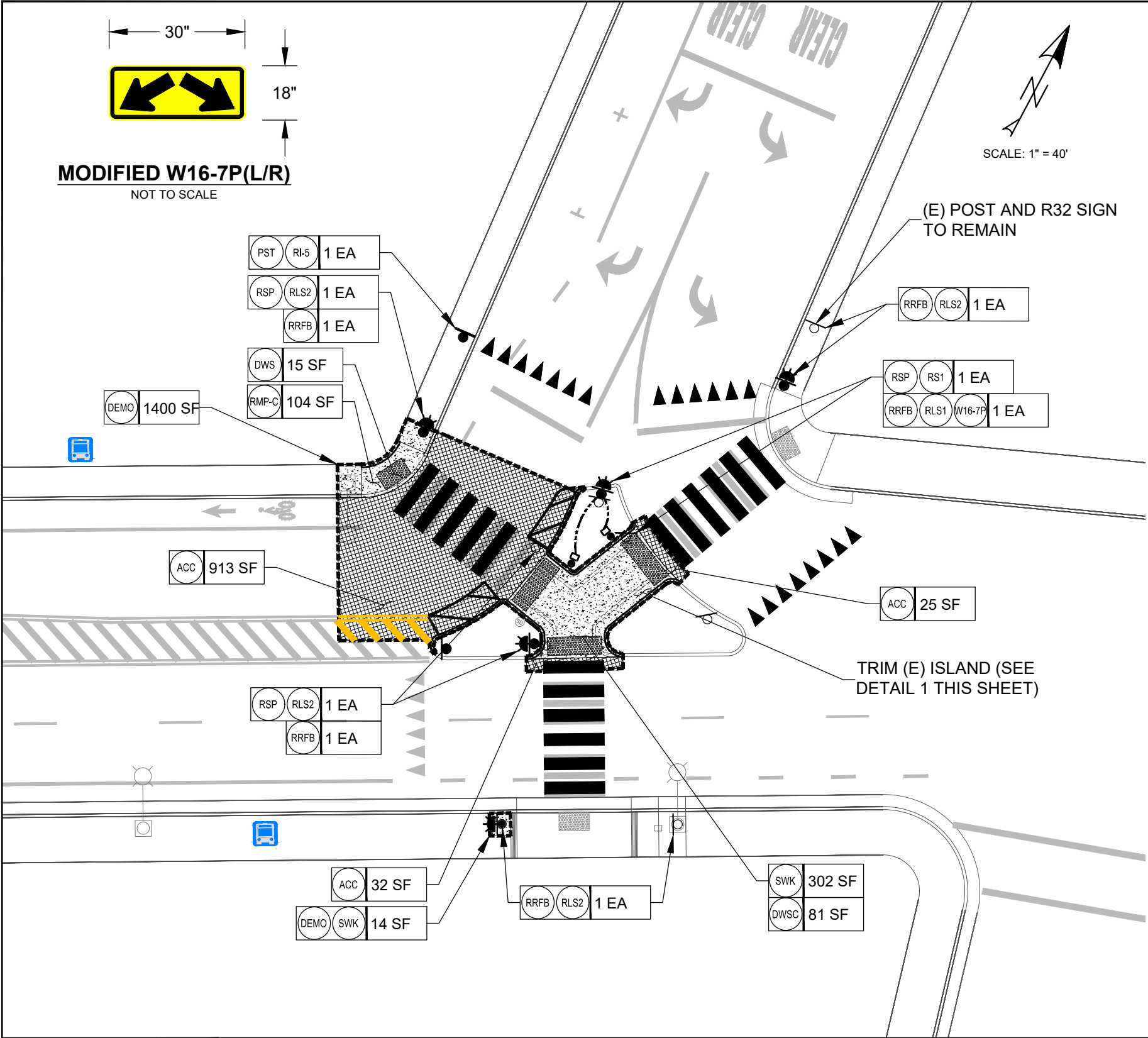
CITY OF
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Santa Cruz, CA 95060

HSIP CYCLE 11 & 12
UNSIGNALIZED CROSSING IMPROVEMENT PROJECT
SOQUEL AVENUE & POPLAR STREET

REFERENCES
FIELD BOOK: #
DRAWING #: #

DATE	07/21/26
DRAWN	DnC
DESIGN	DnC
CHECKED	DE

SCALE	AS SHOWN
SHEET	12 OF 17
VAULT NO.	9231

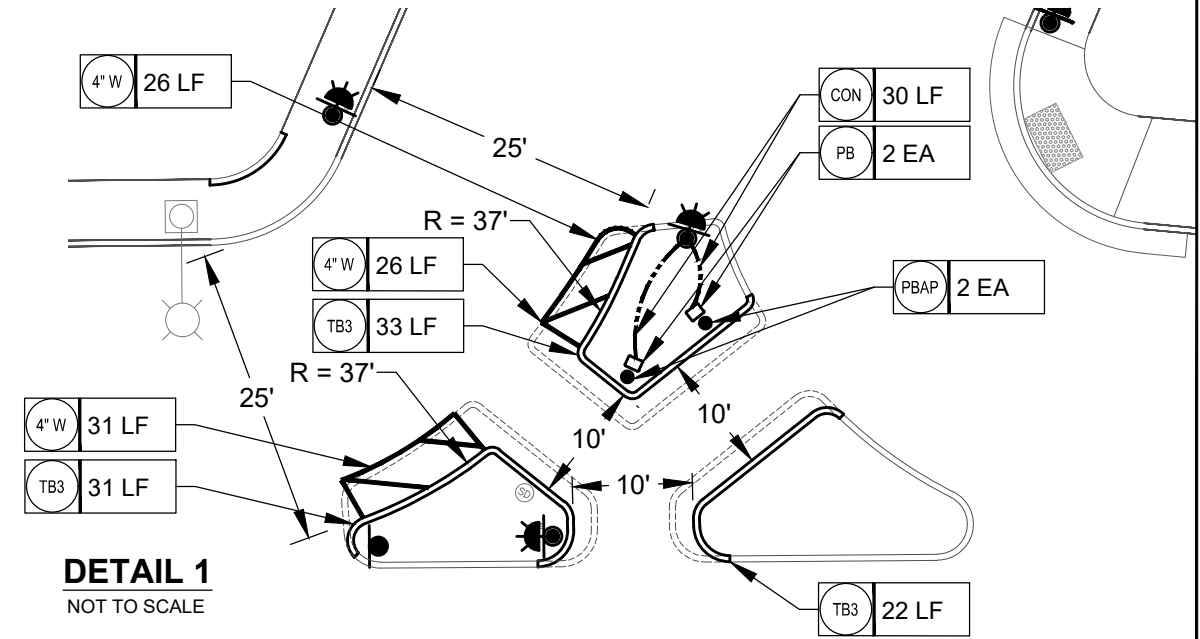


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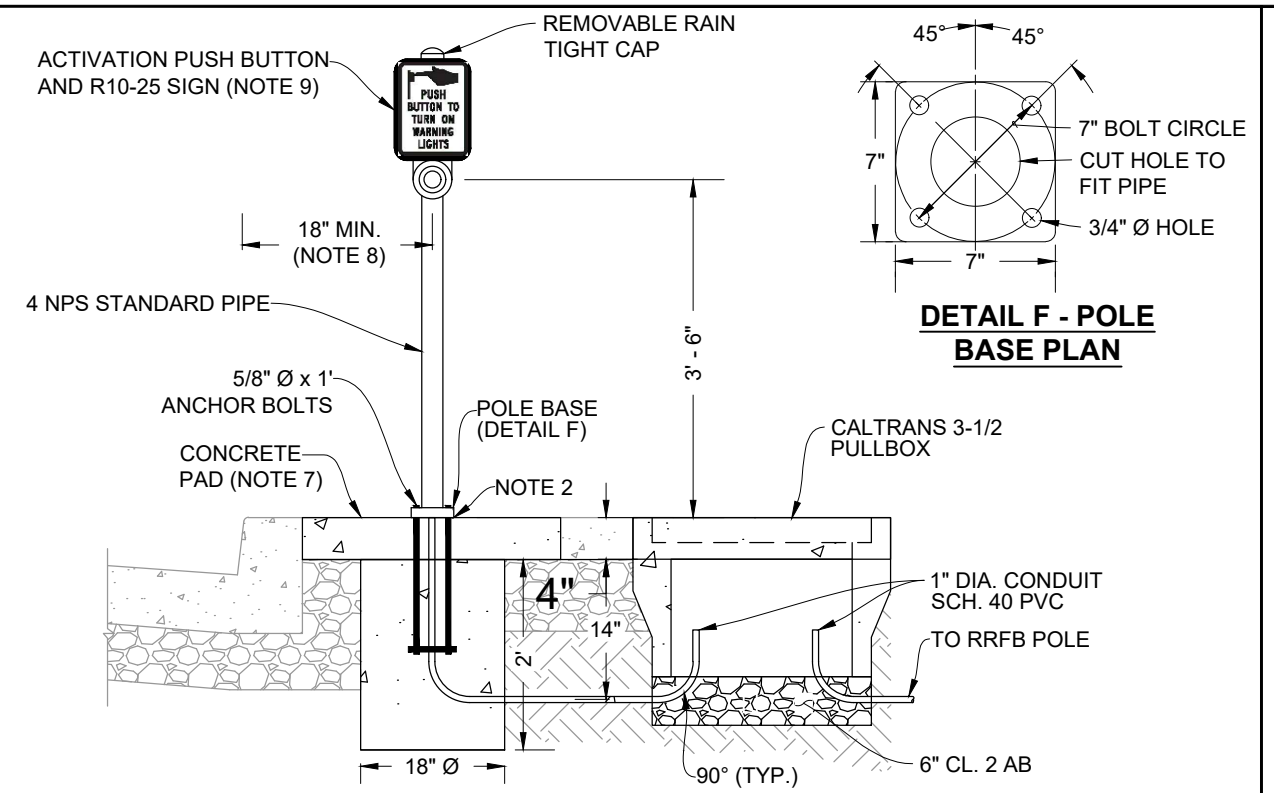
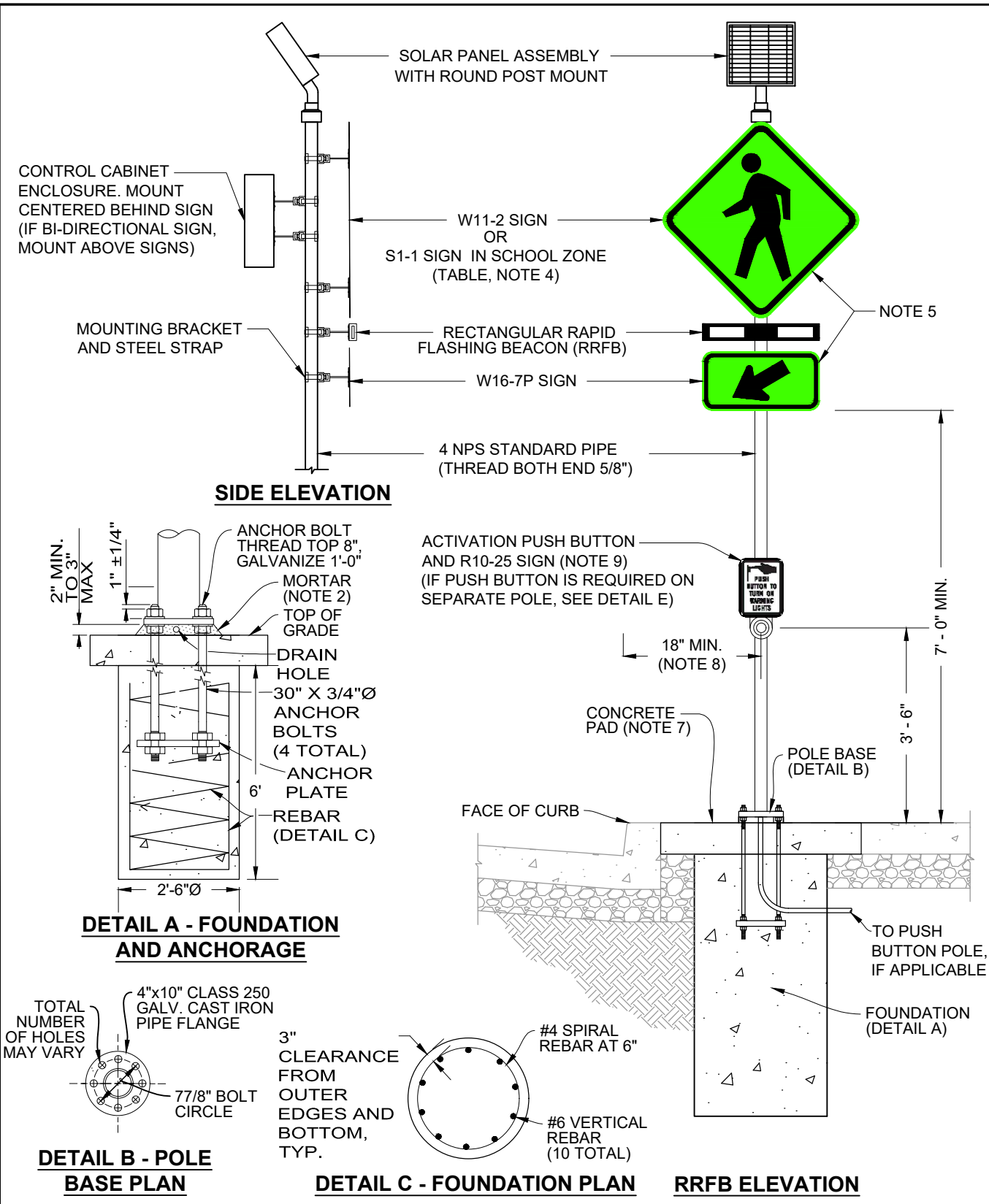
- 4" W:** 4 INCH WHITE THERMOPLASTIC STRIPE
ACC: (N) AC CONFORM
CON: INSTALL (N) 2" SCHEDULE 40 CONDUIT AND CONDUCTORS WITH 5' SLACK IN THE PULL BOX. COMPLETE CONNECTIONS FOR FULL TRAFFIC SIGNAL OPERATION
DEMO: REMOVE (E) AC, SIDEWALK, RAMP, CURB AND GUTTER
DWSC: INSTALL DETECTABLE WARNING SURFACE (CAST IN PLACE)
PB: INSTALL CALTRANS #3-1/2 PULL BOX
PBAP: INSTALL PUSH BUTTON ASSEMBLY POST
PST: INSTALL (N) STANDARD SIGN POST
R1-5: (N) R1-5(L/R) SIGN (YIELD HERE) (24" x 24")
RMP-C CONSTRUCT (N) CALTRANS CASE 'C' PEDESTRIAN RAMP
RRFB: INSTALL (N) RECTANGULAR RAPID FLASHING BEACON ASSEMBLY.
RSP: REMOVE (E) SIGN POST
RLS2: RELOCATE (E) SIGNS (W11-2 AND W16-7P) TO (N) RRFB POST
RLS1: RELOCATE (E) SIGN (W11-2) TO (N) RRFB POST
RS1: REMOVE (E) SIGN (W16-7P)
SWK: CONSTRUCT (N) SIDEWALK
TB3: (N) CALTRANS TYPE B3 CURB
W16-7P: (N) MODIFIED W16-7P(L/R) SIGN (DIRECTIONAL ARROW) (30" X 18") (SEE DETAIL THIS SHEET)

CONSTRUCTION NOTES:

1. CONTRACTORS SHALL LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.



	REVISIONS		 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12 UNSIGNALIZED CROSSING IMPROVEMENT PROJECT DETAIL - SOQUEL AVENUE & POPLAR STREET	REFERENCES	DATE 07/21/26	SCALE AS SHOWN
					FIELD BOOK: #	DRAWN DnC	SHEET 13 OF 17
					DRAWING #: #	DESIGN DnC	VAULT NO.
					CHECKED DE	9231	



DETAIL E - PUSH BUTTON ASSEMBLY POLE

SIGN	SIGN DIMENSIONS		
	DIMENSION (INCHES)		
	MINIMUM ≤ 25 mph	CONVENTIONAL*	OVERSIZED
W11-2	30X30	36X36	48X48
S1-1	30X30	36X36	48X48
W16-7P	24X12	24X12	30X18

*CONVENTIONAL DIMENSION SHALL BE USED UNLESS SPECIFIED OTHERWISE

TABLE 1 - SIGN DIMENSIONS

- NOTES:**
- ALL EQUIPMENT AND APPURTENANCES TO BE INSTALLED PER MANUFACTURER SPECIFICATION AND LATEST CALTRANS STANDARD PLANS.
 - GROUT FLUSH WITH BASE PLATE.
 - 4' MINIMUM (5' RECOMMENDED) CLEARANCE BETWEEN EDGE OF POLE AND BACK OF WALK.
 - EDGE OF SIGN SHALL BE SET BACK 6" MIN. FROM FACE OF CURB. SIGN MAY BE MOUNTED OFF CENTER FROM POST TO ACCOMMODATE THE 6" SETBACK.
 - SIGN SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND WITH BLACK LEGEND AND BORDER.
 - CONCRETE FOUNDATION SHALL BE CLASS "A" CONCRETE FIELD CAST, 4,500 PSI MIN.
 - CONCRETE PAD SHALL BE CLASS "A" CONCRETE FIELD CAST, 36" x 36" x 4", 4,000 PSI. CONCRETE PAD SHALL BE POURED SEPARATELY FROM FOUNDATION AND INSTALLED AFTER LEVELING POLE.
 - LOCATION OF POLES AND PEDESTRIAN PUSH BUTTON SHALL BE APPROVED BY THE CITY ENGINEER BEFORE INSTALLATION.
 - PEDESTRIAN PUSH BUTTON SHALL BE EQUIPPED WITH AUDIBLE INFORMATION AND BE COMPLIANT WITH THE LATEST MUTCD AND ADA GUIDELINES.

REVISIONS	

CITY OF
SANTA CRUZ

PUBLIC WORKS DEPARTMENT
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12

UNSIGNALIZED CROSSING IMPROVEMENT PROJECT

DETAIL SHEET

REFERENCES	DATE 07/21/26	SCALE NO SCALE
FIELD BOOK: #	DRAWN DnC	SHEET 14 OF 17
DRAWING #: #	DESIGN DnC	VAULT NO. 9231
	CHECKED DE	

Diagram illustrating the cross-section of a CASE CM CURB RAMP. The diagram shows the ramp structure, crosswalk, and sidewalk details.

Dimensions and Slopes:

- Min HIGH RETAINING CURB:** Indicated by a dimension line on the left.
- 5'-0" Min IF CROSSWALK PROVIDED:** Dimension across the top of the ramp structure.
- 1.5% Max:** Slope indicated for the ramp surface.
- 7.5% Max:** Slope indicated for the sidewalk.
- 3'-0" Max:** Dimension across the bottom of the ramp structure.
- 1.5% Max:** Slope indicated for the crosswalk area.
- BCR:** Dimension across the bottom of the ramp structure.
- 1.5% Max:** Slope indicated for the crosswalk area.
- CROSSWALK IF PROVIDED:** Dimension across the bottom of the ramp structure.
- CURB TO MATCH RAMP SLOPE:** Dimension across the bottom of the ramp structure.

Labels:

- CROSSWALK IF PROVIDED:** Label on the left side.
- DETECTABLE WARNING SURFACE, SEE NOTE 2:** Label on the left side.
- IF NECESSARY, CONSTRUCT RETAINING CURB AT EDGE OF SIDEWALK:** Label on the right side.
- SIDEWALK:** Label on the right side.
- CASE CM CURB RAMP:** Label at the bottom.

Diagram illustrating the construction of a Case CH Curb Ramp. The diagram shows a cross-section of the curb and ramp area, with dimensions and construction details.

Dimensions:

- Overall width: 5'-0" Min
- Height of retaining curb: 6" Min
- Height of curb to match ramp slope: 1'-0"
- Width of detectable warning surface: 1.5% Max
- Width of curb to match ramp slope: 1.5% Max
- Width of sidewalk: 7.5% Max
- Width of transition from full height to zero height curb: 1'-0"

Construction Details:

- REQUIRED CURB
- TRANSITION FROM FULL HEIGHT TO ZERO HEIGHT CURB
- CURB TO MATCH RAMP SLOPE
- DETECTABLE WARNING SURFACE, SEE NOTE 2
- CROSSWALK IF PROVIDED
- SIDEWALK

Case CH Curb Ramp

1. Sidewalk, ramp and passageway thickness, "T", shall be 31/2" minimum.
2. For details of detectable warning surfaces, see Standard Plan A88A.
3. Where an island passageway length is greater than or equal to 6'-0", but less than 8'-0", each detectable warning surface shall extend the full width and 2'-0" depth of the passageway length. Where an island passageway length is greater than or equal to 8'-0", each detectable warning surface shall extend the full width and 3'-0" depth of the passageway length. Detectable warning surfaces shall extend the full width of the island passageway except a maximum gap of 1 inch is allowed on each side of the passageway.
4. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
5. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
6. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.
7. For additional curb ramp details, see Standard Plan A88A.
8. The detectable warning surface will be a rectangle as shown at the face of curb, unless modified in the Project Plans.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Penoway

REGISTERED CIVIL ENGINEER

May 31, 2018

PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
Rebecca
LYNN MORRY
No. C54415
EXP. 12-31-19
CIVIL
STATE OF CALIFORNIA

2018 STANDARD PLAN A88B

Diagram illustrating the plan view of a raised island with a detectable warning surface. The island is located between two travel ways, each 6'-0" Min wide. The island itself is 4'-2" Min wide. A detectable warning surface, marked with a 'B' in a circle, is located on the island. A slope passage way to drain 1.5% Max is shown on the island. The island is bordered by raised islands on both sides. The diagram also shows a curb ramp on the left and right sides, with a note 'SEE NOTE 3' and 'SEE NOTE 7'. The area between the travel ways is labeled 'TRAVELED WAY' and the area outside the travel ways is labeled 'SIDEWALK'.

TYPE A PASSAGEWAY

Diagram illustrating a raised island intersection layout with various components and dimensions:

- RAISED ISLAND**: The central island area.
- SLOPE PASSAGEWAY TO DRAIN 1.5% Max**: The sloped area leading from the island to the traveled way.
- DETECTABLE WARNING SURFACE, SEE NOTES 2 AND 8**: The textured area on the island.
- SEE NOTE 3**: Points to the sloped area and the island's edge.
- 4'-2" Min**: Minimum width dimension for the island and the sloped area.
- TRAVERSED WAY**: The road crossing the island.
- CURB RAMP, SEE NOTE 7**: The ramp area at the intersection.
- SIDEWALK**: The pedestrian path on the left and right.
- TRAVERSED WAY**: The road crossing the island.
- SIDEWALK**: The pedestrian path on the right.

TYPE B PASSAGEWAY

Diagram illustrating a T-intersection configuration with a raised island and detectable warning surfaces. The diagram shows a cross-section of the intersection area, including the raised island, the detectable warning surface, the curb ramp, and the traveled way. Key dimensions and labels include:

- RAISED ISLAND**: The central island area.
- DETECTABLE WARNING SURFACE, SEE NOTES 2 AND 8**: The textured area on the island.
- 4'-2" Min**: Minimum width dimension for the detectable warning surface.
- SEE NOTE 3**: Multiple locations indicating specific design requirements.
- TRAVELED WAY**: The main roadway.
- SLOPE PASSAGEWAY TO DRAIN 1.5% Max**: The sloped area leading to the drainage.
- CURB RAMP, SEE NOTE 7**: The ramp area for the sidewalk.
- SIDEWALK**: The pedestrian path.
- 4'-2" Min**: Minimum width dimension for the curb ramp.
- SEE NOTE 3**: Multiple locations indicating specific design requirements.
- TRAVELED WAY**: The main roadway.
- SIDEWALK**: The pedestrian path.

TYPE C PASSAGEWAY

Diagram illustrating the cross-section of a gutter (SECTION A-A). The gutter is shown with a 1.5% Max slope. Key components labeled include the RETAINING CURB IF NECESSARY, the GUTTER FLOWLINE, and a reference to SEE NOTE 7. A vertical dimension 'T' is indicated on the left side.

SECTION B-B

STATE OF CALIFORNIA DEPARTMENT OF
TRANSPORTATION
CURB RAMP AND ISLAND
PASSAGEWAY DETAILS
NO SCALE

A88B 1-29-18



REVISIONS	



CITY OF
SANTA CRUZ

PUBLIC WORKS DEPARTMENT

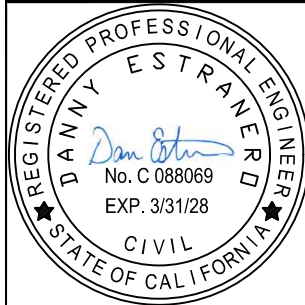
809 Center Street, Room 201
Santa Cruz, CA 95060

HSIP CYCLE 11 & 12

UNSIGNALIZED CROSSING IMPROVEMENT PROJECT

DETAIL SHEET

REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE NO SCALE
	DRAWN DnC	SHEET 16 OF 17
	DESIGN DnC	
	CHECKED DE	VAULT NO. 9231

QUANTITY								
		DELAWARE AVE - BETHANY CURVE	LAUREL ST - BLACKBURN ST	KING ST - PEYTON ST	BROADWAY - PENNSYLVANIA AVE	SEABRIGHT AVE - LOGAN ST	HIGH ST - CARDIFF PL	SOQUEL AVE - POPLAR AVE
RRFB ASSEMBLY								
Install (N) RRFB Solar Assembly	EA	4	3	4	2	2	5	5
Install (N) RRFB Light Bar	EA	4	4	4	4	4	4	5
Install (N) Pedestrian Push Button	EA	4	3	4	2	2	5	5
Install Pull Box (Caltrans #3-1/2)	EA	2	1	2	2	0	0	2
Install Conduit and Conductors	LF	35	20	24	24	0	0	30
POSTS								
Install (N) City Standard Post	EA	2	0	1	2	2	6	2
Remove (E) City Standard Post	EA	4	3	4	2	1	6	5
Install (N) Type 1B Post (4 In. NPS)	EA	0	1	0	2	1	1	0
Install (N) Combined Push Button Post (2.5 In. NPS)	EA	4	2	4	0	0	3	5
Install (N) Pedestrian Push Button Post (2.5 In. NPS)	EA	2	1	2	2	0	0	2
SIGNS								
Relocate (E) Sign	EA	8	9	7	8	4	4	10
Remove (E) Sign	EA	0	0	4	0	0	4	2
Install (N) N-5 (CA) Object Marker Sign (24" x 24")	EA	0	0	0	0	0	1	0
Install (N) R10-25 Sign (5" x 7")	EA	4	3	4	2	2	5	5
Install (N) W11-15 Sign (Ped/Bike Crossing) (30" x 30")	EA	0	0	0	0	0	6	0
Install (N) W11-2 Sign (Ped. Crossing) (30" x 30")	EA	2	0	0	0	2	0	0
Install (N) W16-7P(R) Sign (Directional Arrow) (30" x 18")	EA	0	0	2	0	2	0	0
Install (N) W16-7P(L&R) Sign (Directional Arrow) (30" X 18")	EA	0	0	0	0	0	2	1
Install (N) W16-9P Sign (Ahead) (30" x 18")	EA	2	0	0	0	0	2	0
Install (N) R1-5 Sign (Yield Here) (24" x 24")	EA	0	0	2	2	2	2	1
	REVISIONS		 CITY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT 809 Center Street, Room 201 Santa Cruz, CA 95060	HSIP CYCLE 11 & 12		REFERENCES FIELD BOOK: # DRAWING #: #	DATE 07/21/26	SCALE NO SCALE
	DRAWN DnC							
	DESIGN DnC	SHEET 17 OF 17						
	CHECKED DE	VAULT NO.						
		9231						
			UNSIGNALIZED CROSSING IMPROVEMENT PROJECT		QUANTITY SHEET			