



Council Agenda Correspondence

DATE: May 21, 2024

TO: Mayor and Council

FROM: Matt Horn, Public Works Director

VIA: Whitney McDonald, Interim City Manager

SUBJECT: ITEM 6I – AUTHORIZATION TO ADVERTISE THE ROADWAY SEALING 2024 PROJECT, SPEC NO. 2000615

Staff received a question regarding the Roadway Sealing 2024 project, Item 6i on the May 21, 2024 City Council meeting agenda. The question is below with staff's response shown in *italics*:

- 1. Please provide more information on areas of the project that include protected bike lanes with concrete curb separation, including specific locations and how they relate to implementation of the City's Active Transportation Plan?**

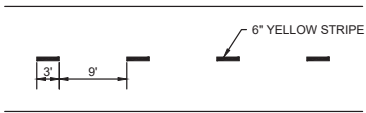
While protected bike lanes are proposed along portions of Grand Avenue as part of the project, no concrete curbs are proposed. The project plans attached with the staff report had an earlier detail that required a concrete curb to protect the bike lane on sheet D2. Where the plans include protected bike lanes, only mountable vertical features are proposed, such as flexible delineators (flex posts) and rubber "armadillo" bumps. Example photos of these materials are shown below. In addition, the detail shown on plan sheet D2 has been corrected and is attached to this correspondence for reference along with the Grand Avenue plan sheets.



Example of Existing Mountable Protected Bikeway Separation on Marsh Street

ATTACHMENT:

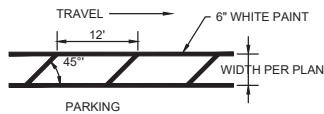
A - Roadway Sealing 2024 Detail and Grand Avenue sheets



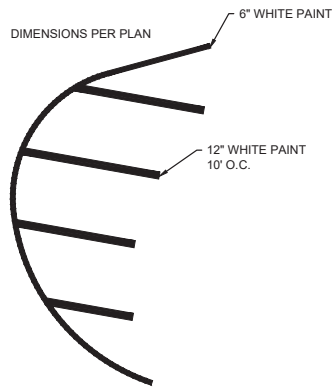
A CA MUTCD CHAPTER 9, FIGURE 9C-2
NOT TO SCALE



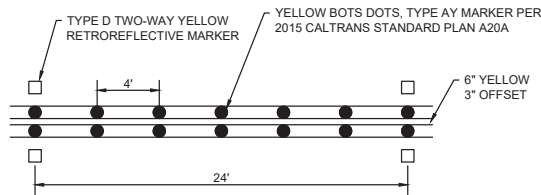
B ZICLA ZEBRA 9
NOT TO SCALE



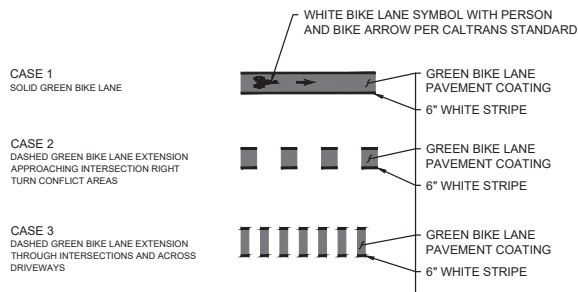
C BIKE BUFFER - SOLID
NOT TO SCALE



E STRIPED BULBOUT PER 2023 FEDERAL MUTCD FIGURE 3J-6B
NOT TO SCALE



G MODIFIED DETAIL 22
NOT TO SCALE



D MODIFIED CITY STD 7360
NOT TO SCALE

GREEN BIKE LANE MARKINGS SHALL BE SEALMASTER SAFE RIDE OR APPROVED EQUIVALENT
SEE GENERAL NOTES AND SPECIAL PROVISIONS FOR ADDITIONAL REFERENCE



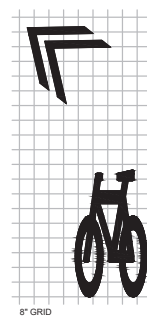
SIGN VARIES PER STREET,
CITY WILL PROVIDE
GRAPHIC FILES

H GREENWAY SIGN
NOT TO SCALE



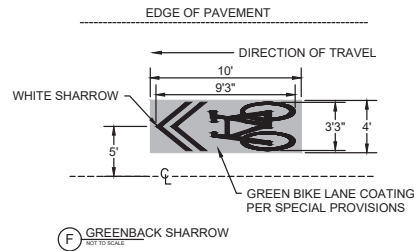
AREA = 45.5 SQFT
WHITE MARKINGS
NOTE: (1) GREEN WAY STENCIL
FURNISHED BY CITY

I GREENWAY SYMBOL
NOT TO SCALE

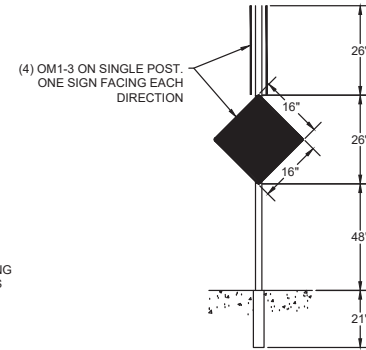


AREA = 11.5 SQFT
WHITE MARKINGS

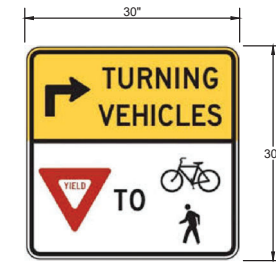
J TURN SHARROW
NOT TO SCALE



F GREENBACK SHARROW
NOT TO SCALE



K TRAFFIC CIRCLE SIGN
NOT TO SCALE



L MODIFIED R10-15 SIGN
NOT TO SCALE



ROADWAY SEALING 2024

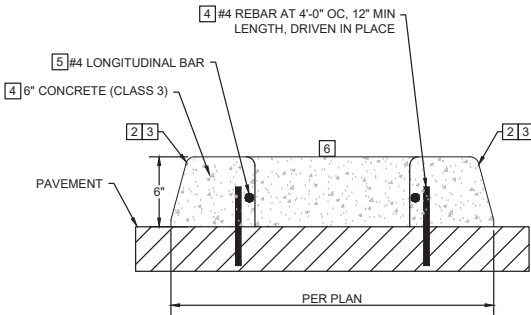
DETAILS

PROJECT TITLE	
DESIGNED BY	NGN
DRAWN BY	KH
CHECKED BY	WBH
APPROVED BY	BN
SCALE	NTS
DATE	
CITY SPECIFICATION NO.	2000608
PLAN FILE NO. / LOCATION	
SHEET NO.	

D1 of 73



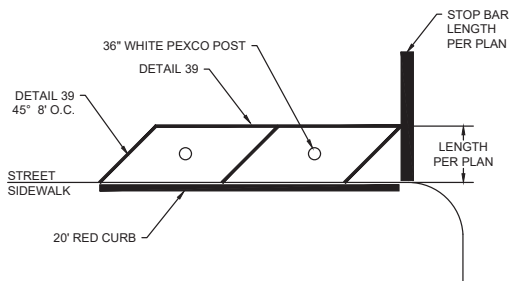
DESIGNED BY:	NGN
DRAWN BY:	KH
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SCALE:	NTS
DATE:	
CITY SPECIFICATION NO:	2000608
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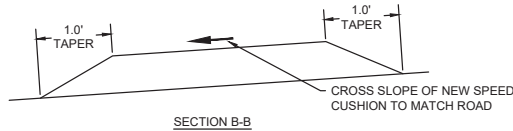
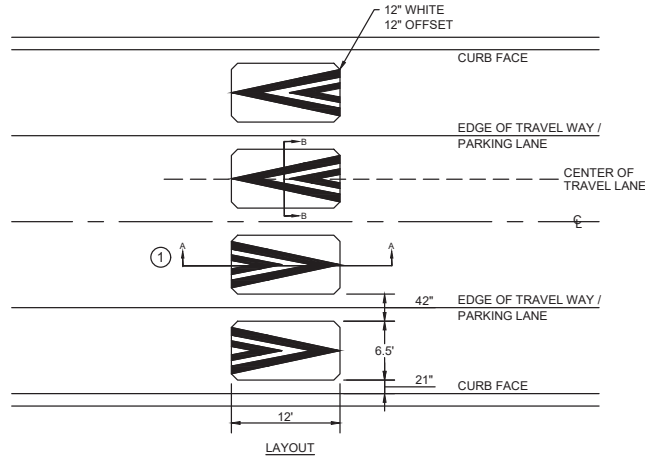
INSTALLATION NOTES:

1. MEDIAN WORK SHALL CONFORM TO THE PROVISIONS IN SECTION 73, OF THE STANDARD SPECIFICATIONS.
2. TYPE A3 CURB PER CALTRANS 2015 RSP A87A, DOWELLED IN TO EXISTING PAVEMENT SURFACE.
3. CLASS 3 CONCRETE. EXPANSION JOINTS AND WEAKENED PLANE JOINTS PER CITY STD 4110.
4. #4 REBAR AT 4'-0" OC, 12" MIN. LENGTH, DRIVEN IN PLACE
5. #4 LONGITUDINAL BAR
6. STAMP CONCRETE PER STAMPED CONCRETE DETAIL D
7. PROTECT AC FROM CONCRETE STAINING OR SPILLS

A CENTER MEDIAN CROSS SECTION
NOT TO SCALE



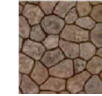
B DAYLIGHTING BUFFER
NOT TO SCALE



SPEED CUSHION NOTES:

1. SECTION A-A TO MATCH TYPE 1 ROAD BUMP PER CITY STANDARD DETAIL 7320.
2. EXCEPTIONS MAY BE APPROVED BY THE CITY ENGINEER.

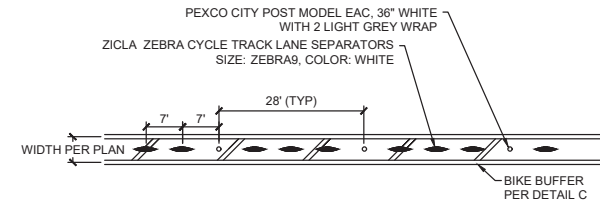
C SPEED CUSHION DETAIL
NOT TO SCALE



STAMPED CONCRETE NOTES:

1. 6" THICK STAMPED CONCRETE, COLORED DAVIS COLORS SAN DIEGO BUFF (#5237) (OR APPROVED EQUAL).
2. RIVER ROCK PATTERN.
3. INSTALL PER MANUFACTURER RECOMMENDATIONS.

D STAMPED CONCRETE DETAIL
NOT TO SCALE



NOTE: FLEX POSTS & ZICLA ZEBRAS MUST BE MOUNTED TO ROADWAY PER MANUFACTURER'S INSTRUCTIONS

E FLEX POST & ZICLA ZEBRA CONFIGURATIONS
NOT TO SCALE

DOUBLE YELLOW STRIPE WITH REFLECTORS (DETAIL 29)
DIMENSIONS AND RADIUS PER PLAN SHEETS

PEXCO CITY POST MODEL EAC, 36" YELLOW
WITH 2 YELLOW WRAPS

ZICLA ZEBRA SEPARATORS
SIZE: ZEBRA9, COLOR: YELLOW

NOTE: FLEX POSTS & ZICLA ZEBRAS MUST BE MOUNTED TO ROADWAY PER MANUFACTURER'S INSTRUCTIONS

F CENTER MEDIAN REFUGE CONFIGURATION
NOT TO SCALE



REMOVE CONFLICTING (E) STRIPING
FOR ANY CONFLICT WITH BASE BID STRIPING,
ADD. ALT. A STRIPING PREVAILS



BID ALT. A. GRAND

A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. Inside the ring, the name "BRIAN A. NELSON" is written in an arc. In the center, the text "No. C 79870" and "CIVIL" are displayed.

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NOTES
REMOVE CONFLICTING (E) STRIPING
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ADD. ALT. A STRIPING PREVAILS

HAYS

McCOLLUM

MATCHLINE
SEE SHEET G03

MATCHLINE
SEE SHEET G01

CASE 1 BIKE LANE
PER DETAIL D,
SHEET D1 56 LF
(2) WHITE FLEX
POSTS AND (3)
ZICLA ZEBRA PER
DETAIL B, SHEET D2

INSTALL R3-5(R)
SIGN ON (E)
PUNCH POST

CASE 3 BIKE LANE PER
DETAIL D, SHEET D1, 57 LF

BIKE BUFFER PER
DETAIL C, SHEET D1
116 LF

RED CURB 13 LF

CASE 1 BIKE LANE PER
DETAIL D, SHEET D1 52 LF
(2) WHITE FLEX POSTS
AND (3) ZICLA ZEBRA PER
DETAIL B, SHEET D2

BIKE BUFFER PER
DETAIL C, SHEET D1
207 LF

BIKE BUFFER PER
DETAIL C, SHEET D1
294 LF

GRAND

INSTALL RRFB SYSTEM WITH W11-2
and W16-7P SIGNS BACK TO BACK

HI-VIS CROSSWALK 81 LF

RED CURB 17 LF

(3) WHITE FLEX POSTS
(2) ZICLA ZEBRA PER DETAIL B, SHEET D1

REMOVE (E) SR4-1, INSTALL RRFB
SYSTEM WITH W11-2 and W16-7P SIGNS
BACK TO BACK ON LUMINAIRE POLE

DETAIL 22
95 LF
DETAIL 27B
32 LF
10' O.C.

INSTALL R6-1(R) SIGN
ON (N) 12' PUNCH POST

DETAIL 24
332 LF

DETAIL 24
331 LF

INSTALL SR4-1(CA)
SIGN ON (N) 12'
PUNCH POST

REFUGE
PER
DETAIL F,
SHEET D2

BIKE BUFFER PER
DETAIL E, SHEET D2
135 LF

CASE 3 BIKE LANE PER
DETAIL D, SHEET D1
42 LF

CASE 1 BIKE LANE
PER DETAIL D,
SHEET D1, 17 LF

CASE 3 BIKE LANE PER
DETAIL D, SHEET D1
42 LF

BIKE BUFFER PER DETAIL C,
SHEET D1, 72 LF

INSTALL W11-2 and W16-9P
SIGNS ON (N) 12' PUNCH POST

BIKE BUFFER PER DETAIL C,
SHEET D1, 115 LF

CASE 1 BIKE LANE
PER DETAIL D,
SHEET D1, 17 LF

YIELD LINE 6Δ
INSTALL R1-5 SIGN ON
(N) 12' PUNCH POST

RELOCATE BUS STOP SIGN
TO NEXT BLOCK SOUTH

INSTALL RRFB SYSTEM WITH
W11-2 and W16-7P SIGNS

DETAIL 22, 34 LF
(4) 36" YELLOW
FLEX POSTS

INSTALL
R2-1(35) SIGN
ON (E) PUNCH
POST

HI-VIS CROSSWALK
27 LF

HI-VIS CROSSWALK
37 LF

CASE 3 BIKE
LANE PER
DETAIL D,
SHEET D1
52 LF



ROADWAY SEALING 2024

BID ALT. A. GRAND

PROJECT TITLE	ROADWAY SEALING 2024
DESIGNED BY	NGN
DRAWN BY	KH
CHECKED BY	WBH
APPROVED BY	BN
SCALE	1" = 30'
DATE	
CITY SPECIFICATION NO.	2000615

NOTES
REMOVE CONFLICTING (E) STRIPING
FOR ANY CONFLICT WITH BASE BID STRIPING,
ADD, ALT. A STRIPING PREVAILS

MATCHLINE
SEE SHEET G02

McCOLLUM

HOPE



MATCHLINE
SEE SHEET G04



ROADWAY SEALING 2024

BID ALT. A. GRAND

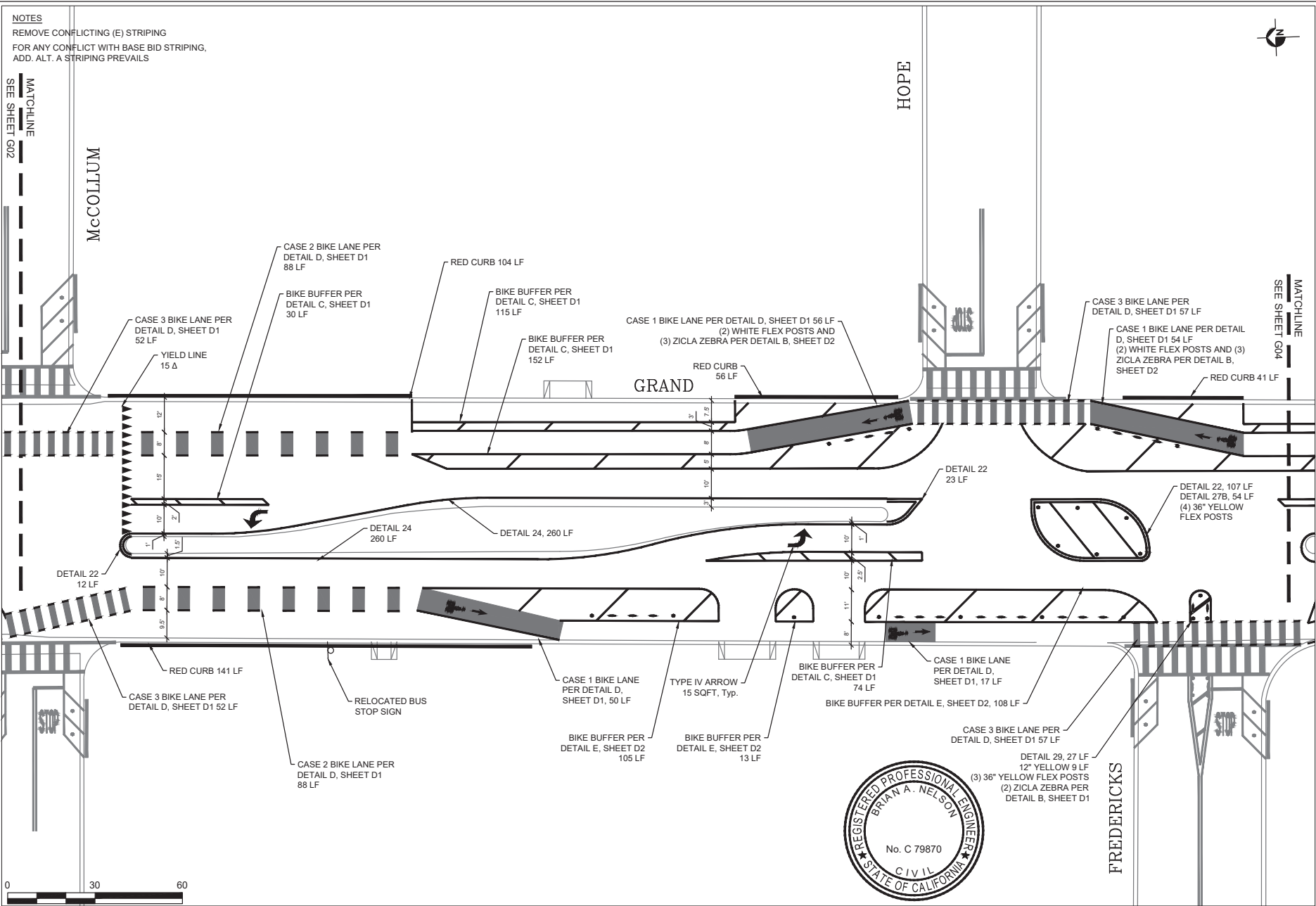
PROJECT TITLE

SHEET TITLE

DESIGNED BY: NGN
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APPROVED BY: BN
SCALE: 1" = 30'
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CITY SPECIFICATION NO. 2000615

SHEET NO.

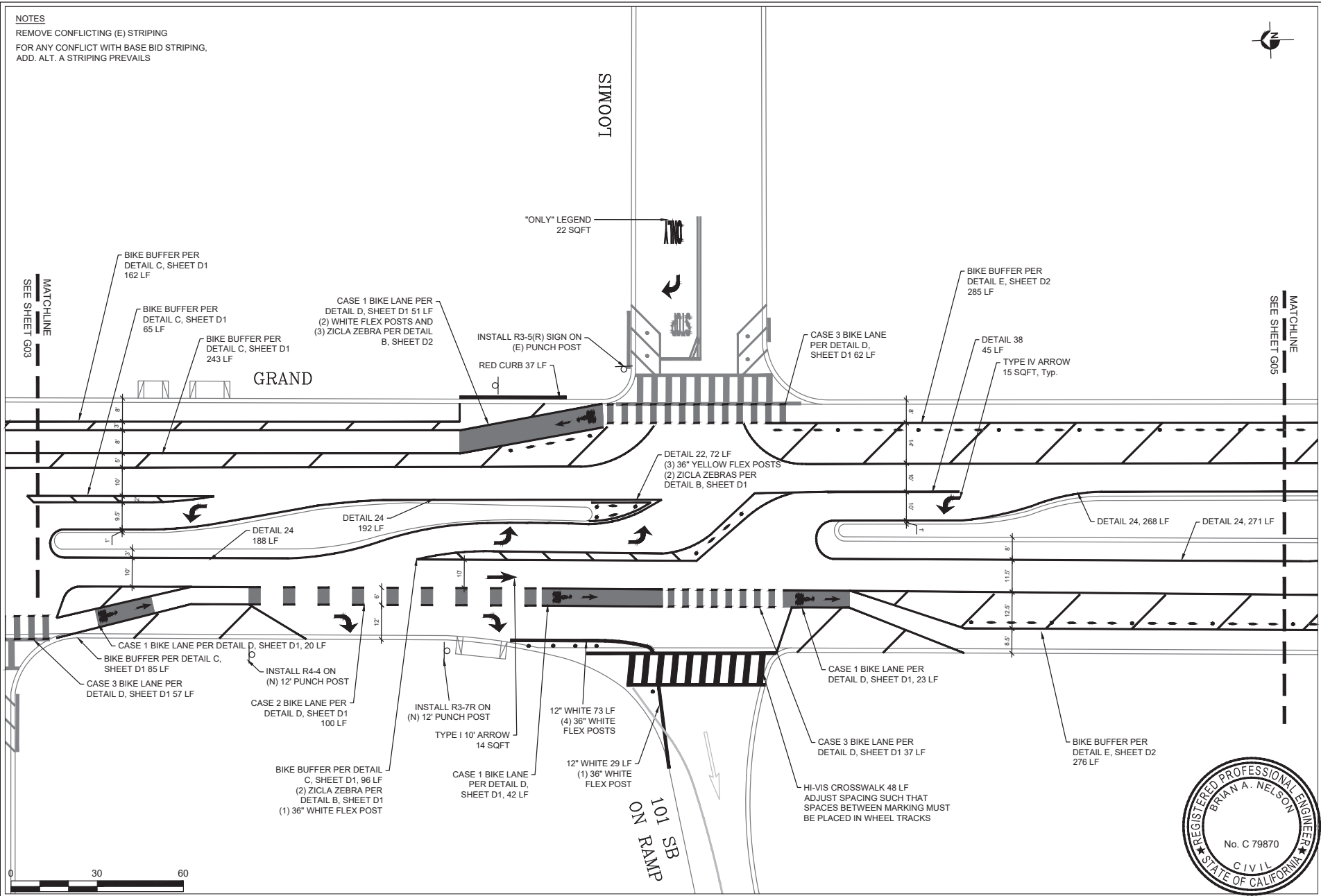
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REMOVE CONFLICTING (E) STRIPING
FOR ANY CONFLICT WITH BASE BID STRIPING,
ADD. ALT. A STRIPING PREVAILS



BID ALT. A. GRAND



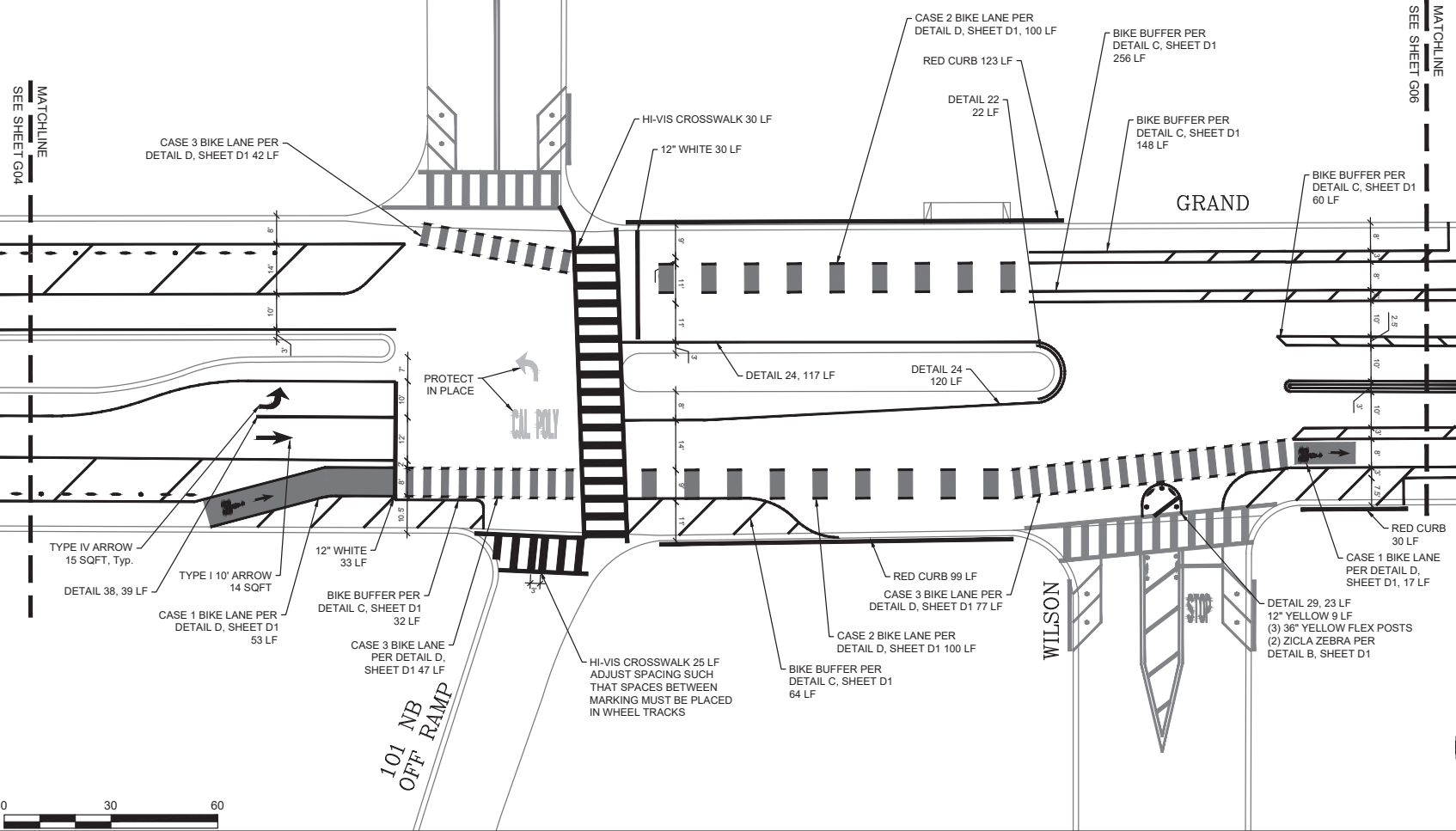
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DESIGNED BY:	NGN
DRAWN BY:	KH
CHECKED BY:	WBH
APPROVED BY:	BN
SCALE:	1" = 30'
DATE:	DATE
PROJECT SPECIFICATION NO.	2000615

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NOTES
 REMOVE CONFLICTING (E) STRIPING
 FOR ANY CONFLICT WITH BASE BID STRIPING,
 ADD. ALT. A STRIPING PREVAILS
 USE CAUTION WHEN REMOVING (E) STRIPING
 TO PROTECT IN PLACE (E) TRAFFIC SIGNAL
 LOOP DETECTORS

MATCHLINE
 SEE SHEET G04



PROJECT TITLE
ROADWAY SEALING 2024

SHEET TITLE
BID ALT. A. GRAND

DESIGNED BY
 NGN

DRAWN BY
 KH

CHECKED BY
 WBH

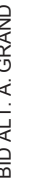
APPROVED BY
 BN

SCALE
 1" = 30'

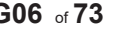
DATE
 200615

SHEET NO.
G05 of 73

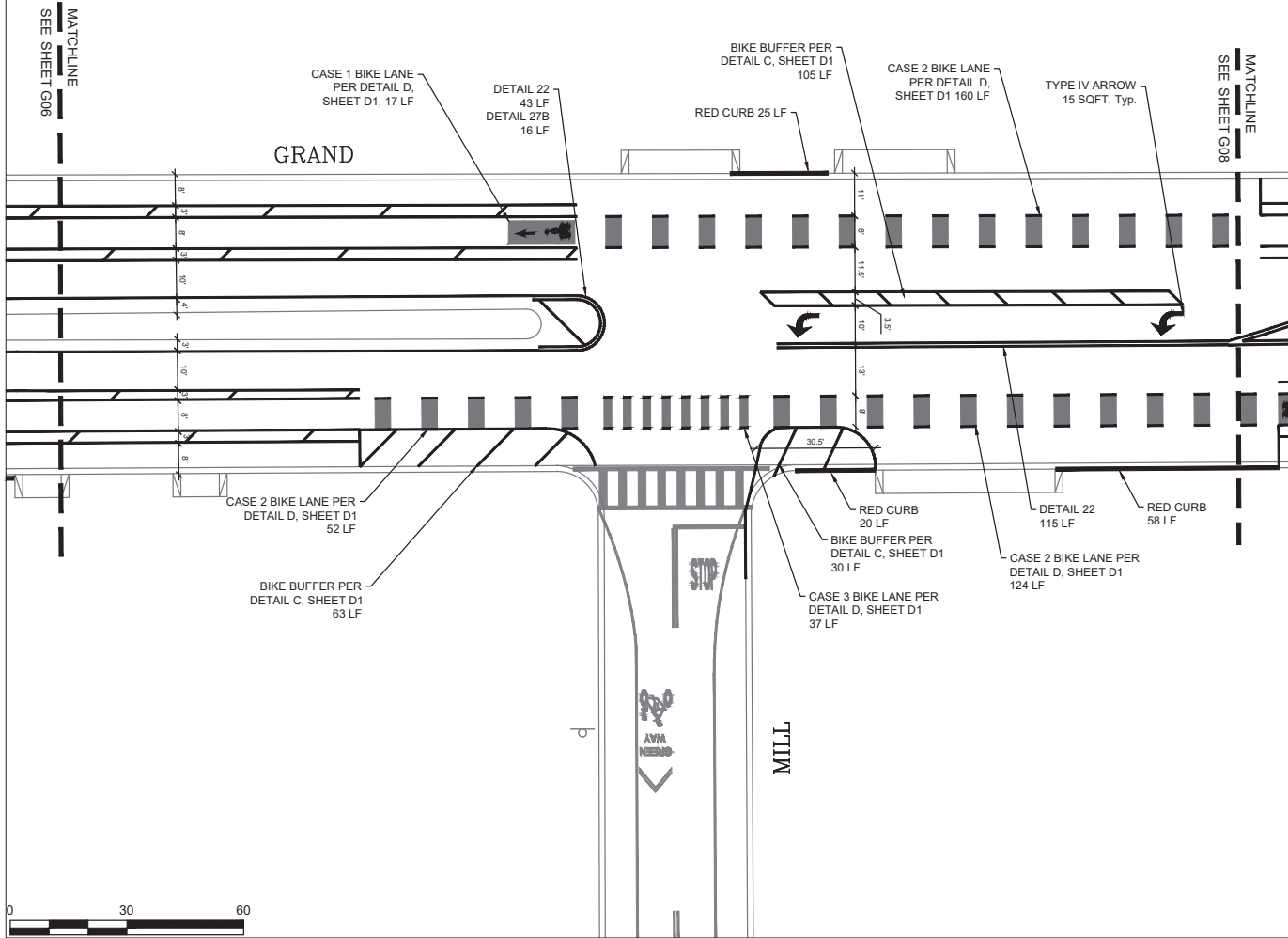
REMOVE CONFLICTING (E) STRIPING
FOR ANY CONFLICT WITH BASE BID STRIPING,
ADD. ALT. A STRIPING PREVAILS



SHEET NO. _____



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ROADWAY SEALING 2024

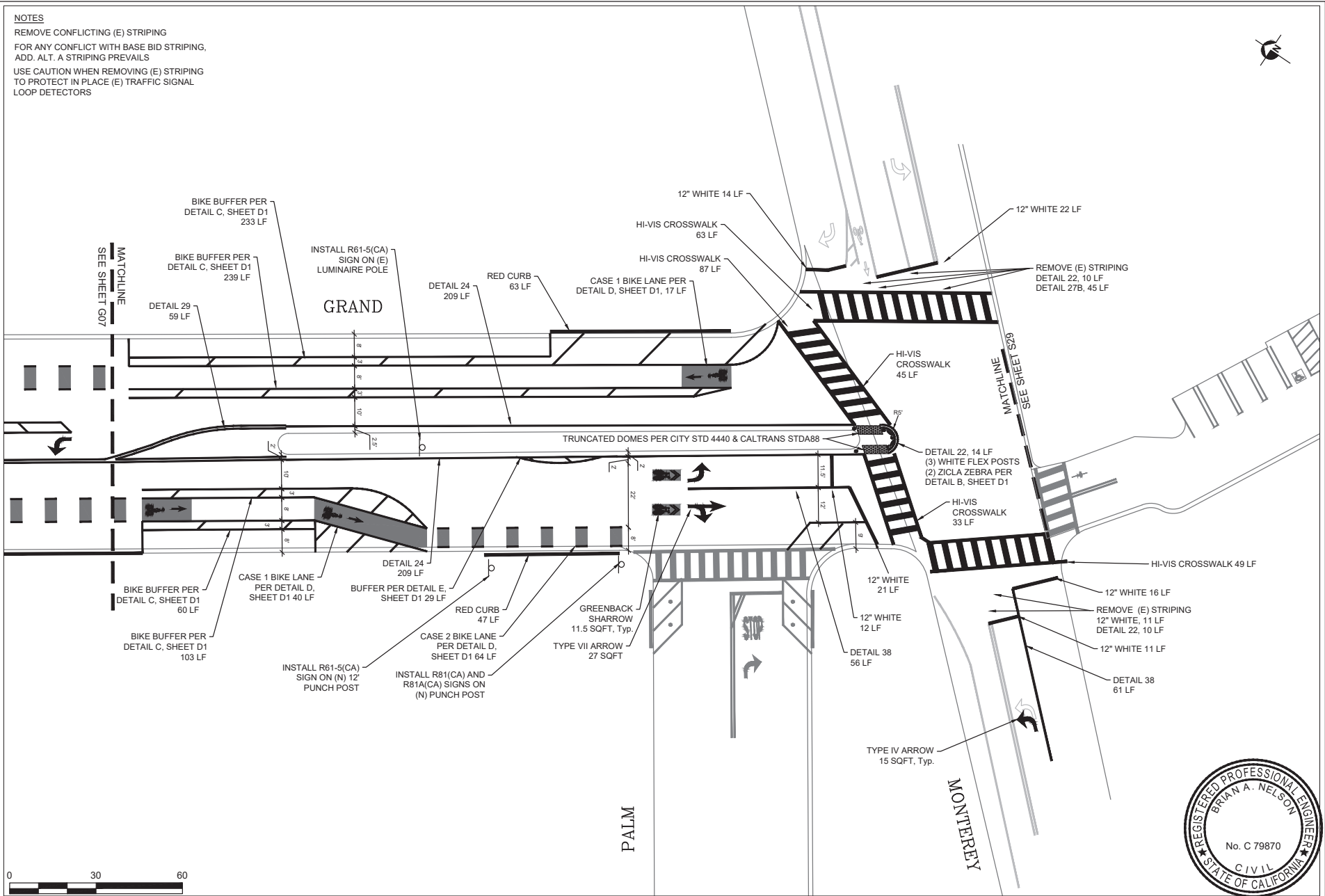
BID ALT. A. GRAND



PROJECT TITLE	
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DRAWN BY	KH
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SCALE	1" = 30'
DATE	
CITY SPECIFICATION NO.	2000615
SHEET NO.	

G07 of 73

NOTES
REMOVE CONFLICTING (E) STRIPING
FOR ANY CONFLICT WITH BASE BID STRIPING,
ADD. ALT. A STRIPING PREVAILS
USE CAUTION WHEN REMOVING (E) STRIPING
TO PROTECT IN PLACE (E) TRAFFIC SIGNAL
LOOP DETECTORS



ROADWAY SEALING 2024

BID ALT. A. GRAND



PROJECT TITLE	
DESIGNED BY	NGN
DRAWN BY	KH
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