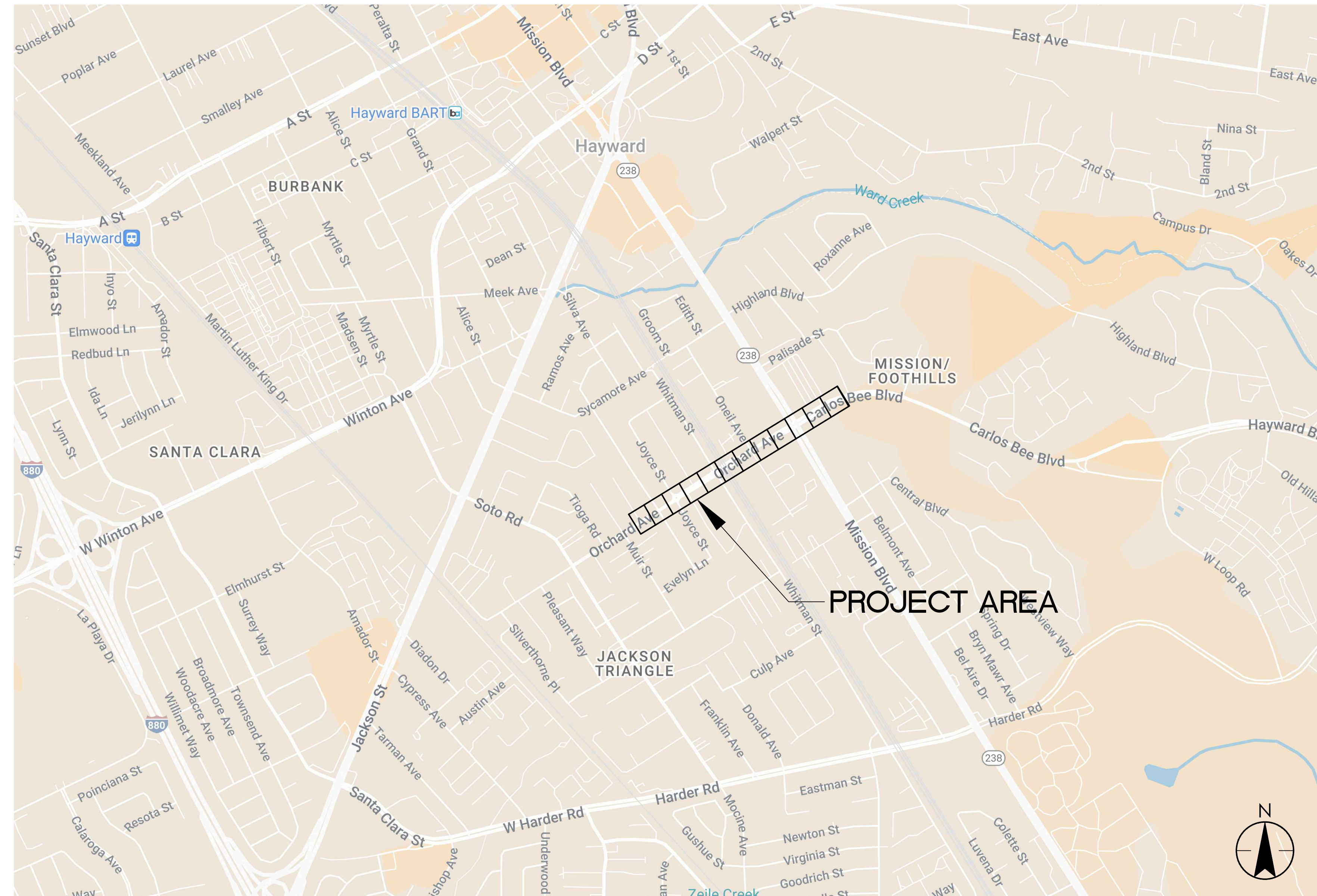


# CITY OF HAYWARD

## ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT

CITY PROJECT NO. 05312



SHEET No.	DESCRIPTION
1	TITLE SHEET & LOCATION MAP
2	ORCHARD AVE & JOYCE ST REMOVAL PLAN
3	ORCHARD AVE & ONEIL AVE REMOVAL PLAN
4	MISSION BLVD & CARLOS BEE BLVD REMOVAL PLAN
5	ORCHARD AVE & JOYCE ST IMPROVEMENT PLAN
6	ORCHARD AVE & ONEIL AVE IMPROVEMENT PLAN
7	MISSION BLVD & CARLOS BEE BLVD IMPROVEMENT PLAN
8	NO TRUCK SIGNAGE
9	CONSTRUCTION DETAILS

- NOTES:**
- ALL EXISTING UTILITIES WERE PLOTTED FROM RECORD INFORMATION AND FIELD TOPOGRAPHY. ACTUAL LOCATIONS MAY VARY AND ADDITIONAL CROSSINGS MAY EXIST IN THE FIELD. IT IS IMPERATIVE THAT U.S.A. LOCATING SERVICES LOCATE AND MARK EXISTING UTILITIES PRIOR TO THE START OF EXCAVATION.
  - THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXPOSING EXISTING UTILITY CROSSINGS AND SERVICES.
  - ANY DAMAGE TO EXISTING UTILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



*Kathy Garcia*  
KATHY GARCIA  
DEPUTY DIRECTOR OF PUBLIC WORKS



*Alex Ameri*  
ALEX AMERI  
DIRECTOR OF PUBLIC WORKS



ADVANCED MOBILITY GROUP  
3003 OAK ROAD, SUITE 100  
WALNUT CREEK, CA 94597

DESIGNED	R. SABINIANO				
DRAWN	R. SABINIANO				
CHECKED	C. HIGBEE				
DATE	8/26/2024				
SCALE	N/A	NO.	REVISION	BY	APP.

BENCHMARK



ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
TITLE SHEET & LOCATION MAP

CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO. 05312  
SHEET 1 OF 9  
DWG.

REMOVAL NOTES (THIS SHEET ONLY):

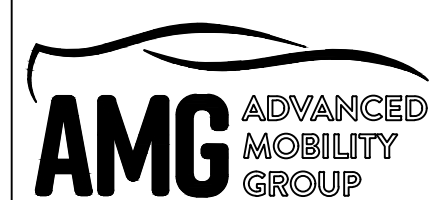
- 1 REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKING
- 2 REMOVE EXISTING R6-1 WITH W2-6 SIGN AND POST
- 3 REMOVE EXISTING R1-2 SIGN AND POST
- 4 REMOVE EXISTING W2-6 SIGN AND POST

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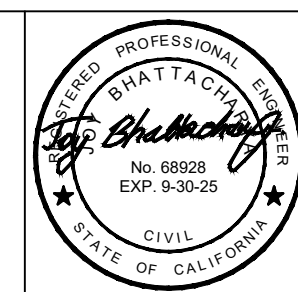
Know what's below.  
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ADVANCED MOBILITY GROUP  
3003 OAK ROAD, SUITE 100  
WALNUT CREEK, CA 94597

DESIGNED	R.SABINIANO				
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CHECKED	C.HIGBEE				
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BENCHMARK



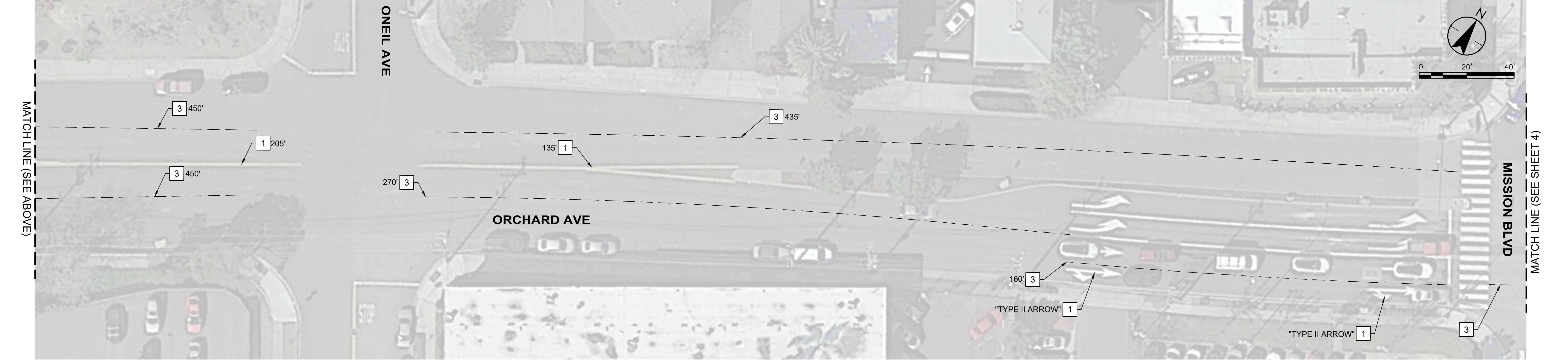
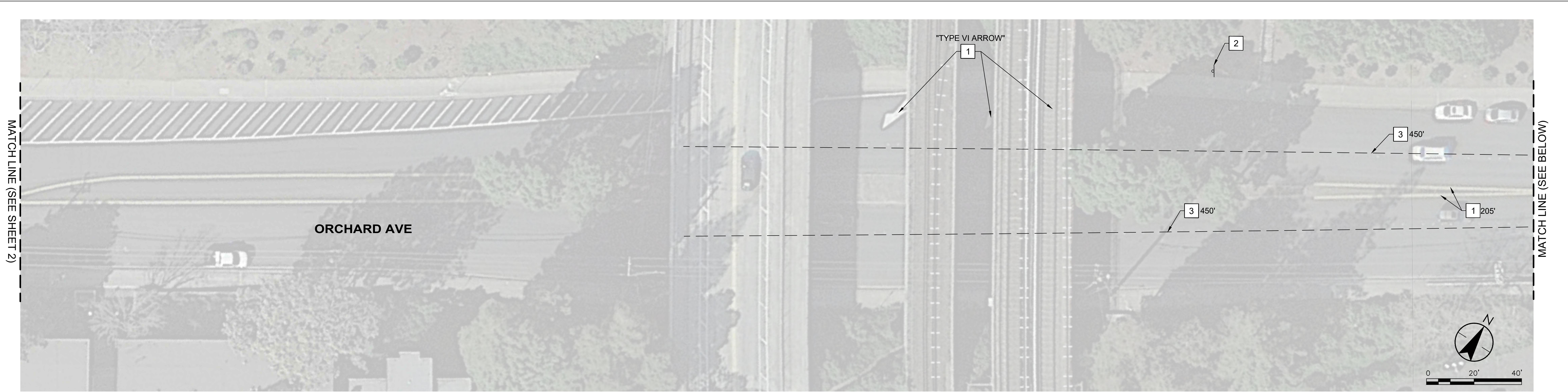
ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
ORCHARD AVE & JOYCE ST REMOVAL PLAN

CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO. 05312

SHEET 2 OF 9

DWG.



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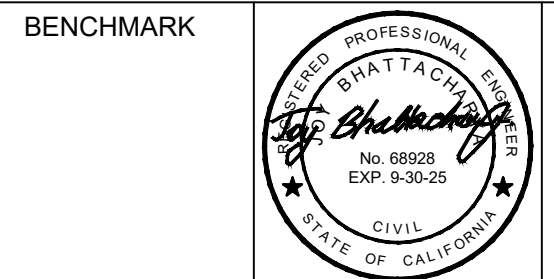


- REMOVAL NOTES (THIS SHEET ONLY):**
- 1 REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKING
  - 2 REMOVE EXISTING W4-2 SIGN AND POST
  - 3 REMOVE EXISTING BOTT DOTS



**ADVANCED MOBILITY GROUP**  
 3003 OAK ROAD, SUITE 100  
 WALNUT CREEK, CA 94597

DESIGNED	R.SABINIANO				
DRAWN	R.SABINIANO				
CHECKED	C.HIGBEE				
DATE	8/26/2024				
SCALE	1:20	NO.	REVISION	BY	APP.



**ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT**  
 ORCHARD AVE & ONEIL AVE REMOVAL PLAN

**CITY OF HAYWARD**  
 PUBLIC WORKS DEPARTMENT  
 TRANSPORTATION DIVISION

PJ NO.	05312
SHEET	3 OF 9
DWG.	



REMOVAL NOTES (THIS SHEET ONLY):

- 1 REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKING
- 2 REMOVE EXISTING BOTT DOTS

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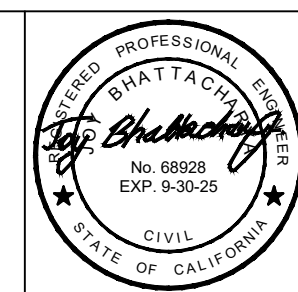
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3003 OAK ROAD, SUITE 100  
WALNUT CREEK, CA 94597

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BENCHMARK

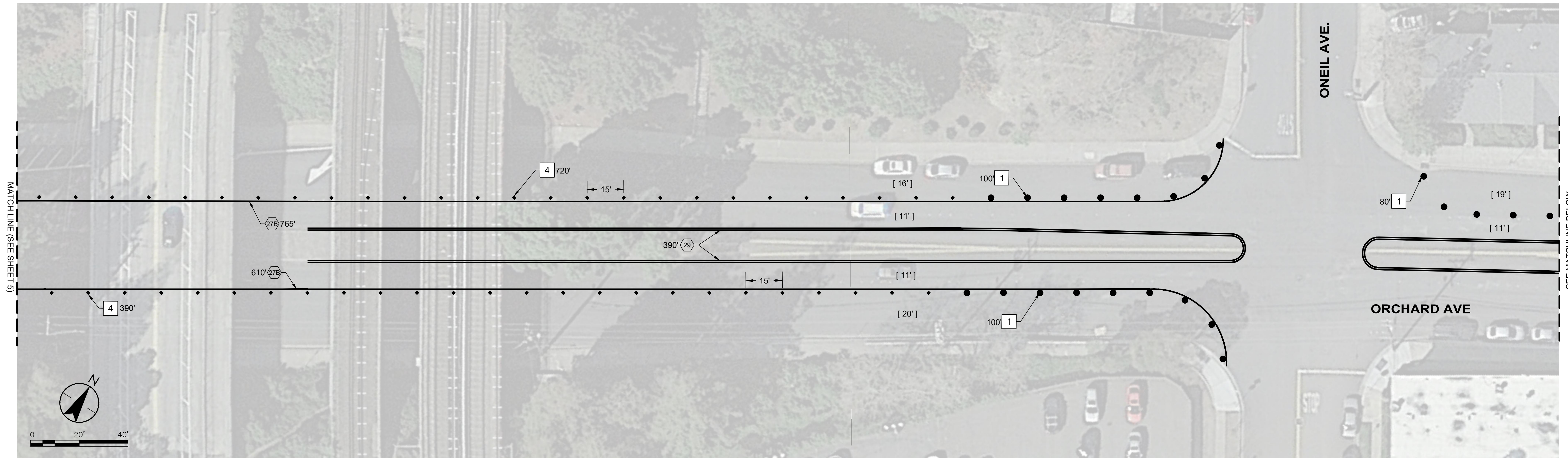


ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
MISSION BLVD & CARLOS BEE BLVD REMOVAL PLAN

CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO. 05312  
SHEET 4 OF 9  
DWG.





**PROJECT NOTES (THIS SHEET ONLY):**

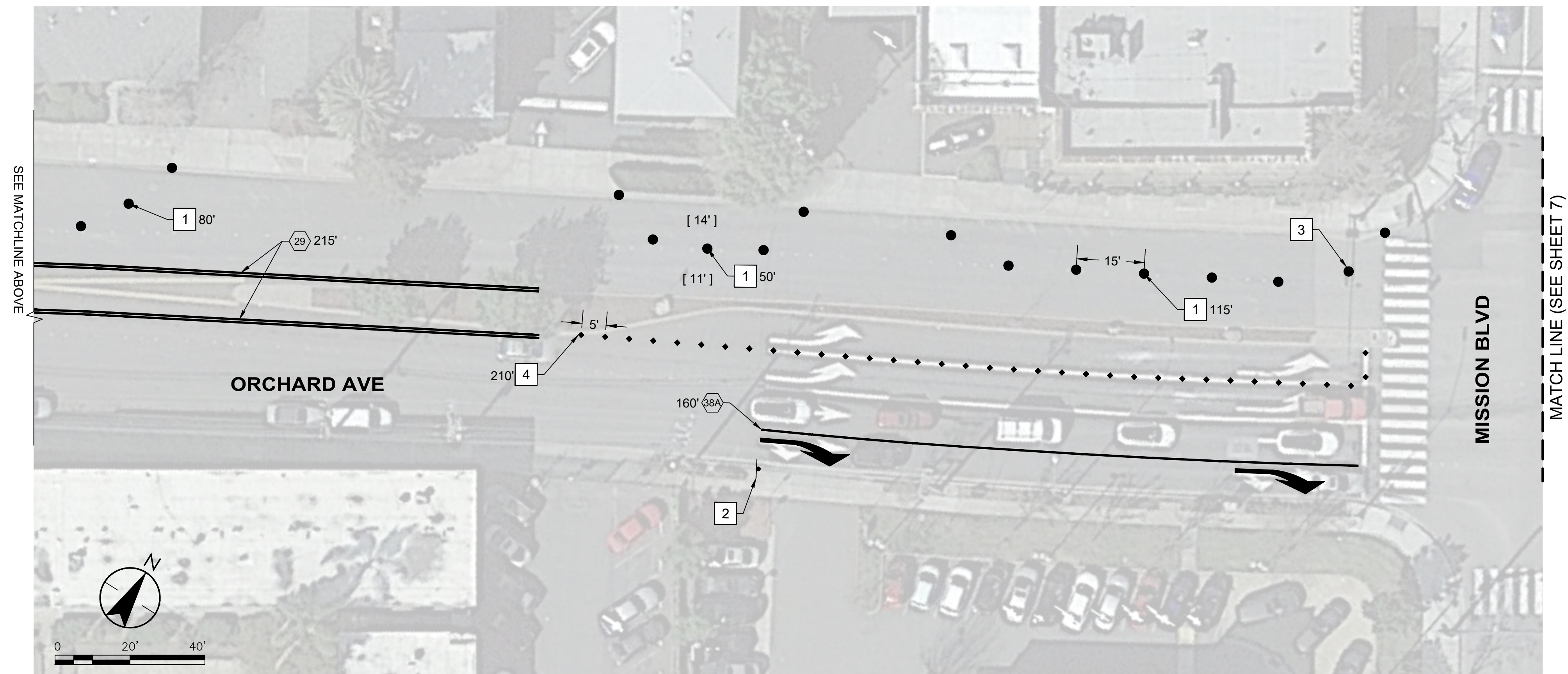
- 1 FURNISH AND INSTALL WHITE K71 BOLLARDS AT 15' O.C SPACING. PLACE EDGE OF BOLLARDS 6" AWAY FROM STRIPING.
- 2 FURNISH AND INSTALL NEW R3-7 SIGN ON EXISTING POST.
- 3 FURNISH AND INSTALL SC11 (CA) SIGN AT NEW WHITE K71 BOLLARD.
- 4 FURNISH AND INSTALL NEW WHITE FLEXIBLE DELINEATORS. SPACING (AS NOTED).
- 27B FURNISH AND INSTALL NEW WHITE THERMOPLASTIC DETAIL 27B TRAFFIC STRIPE PER CALTRANS STANDARD PLAN SHEET A20B.
- 29 FURNISH AND INSTALL YELLOW THERMOPLASTIC DETAIL 29 TRAFFIC STRIPE PER CALTRANS STANDARD PLAN SHEET A20B.
- 38A FURNISH AND INSTALL WHITE THERMOPLASTIC DETAIL 38A TRAFFIC STRIPE PER CALTRANS STANDARD PLAN SHEET A20D.
- ➔ FURNISH AND INSTALL TYPE III (24") RIGHT ARROW PER CALTRANS STANDARD PLAN SHEET A24B.

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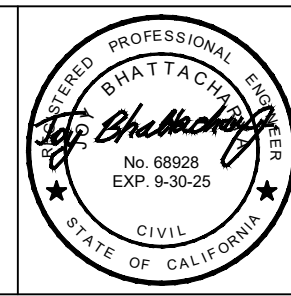
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**ADVANCED MOBILITY GROUP**  
3003 OAK ROAD, SUITE 100  
WALNUT CREEK, CA 94597

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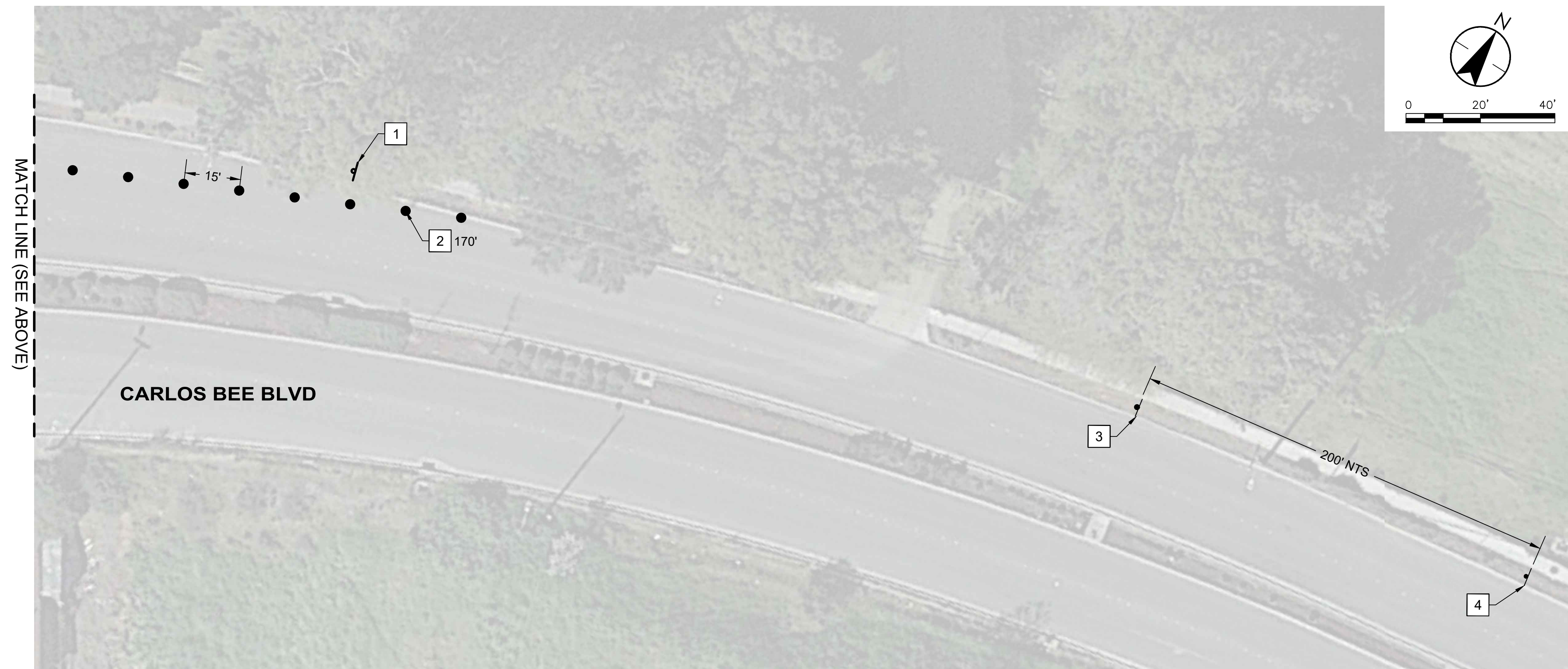
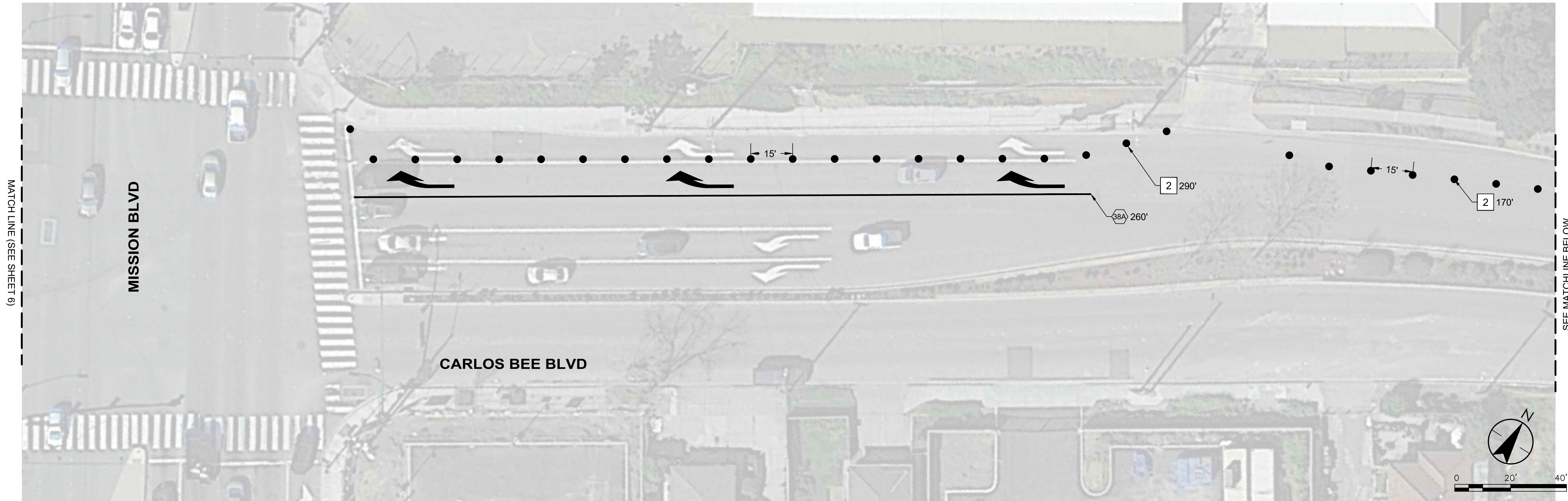
BENCHMARK



**ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT**  
ORCHARD AVE & ONEIL IMPROVEMENT PLAN

**CITY OF HAYWARD**  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO.	05312
SHEET	6 OF 9
DWG.	



**PROJECT NOTES (THIS SHEET ONLY):**

- 1 FURNISH AND INSTALL NEW R3-7 SIGN ON EXISTING POST
- 2 FURNISH AND INSTALL WHITE K71 BOLLARDS AT 15' O.C SPACING. PLACE EDGE OF BOLLARDS 6" AWAY FROM STRIPING.
- 3 FURNISH AND INSTALL NEW W74 SIGN AND POST.
- 4 FURNISH AND INSTALL NEW TRAFFIC PATTERN AHEAD SIGN AND POST.
- 38A FURNISH AND INSTALL WHITE THERMOPLASTIC DETAIL 38A TRAFFIC STRIPE PER CALTRANS STANDARD PLAN SHEET A20D
- FURNISH AND INSTALL TYPE III (24') RIGHT ARROW PER CALTRANS STANDARD PLAN SHEET A24B

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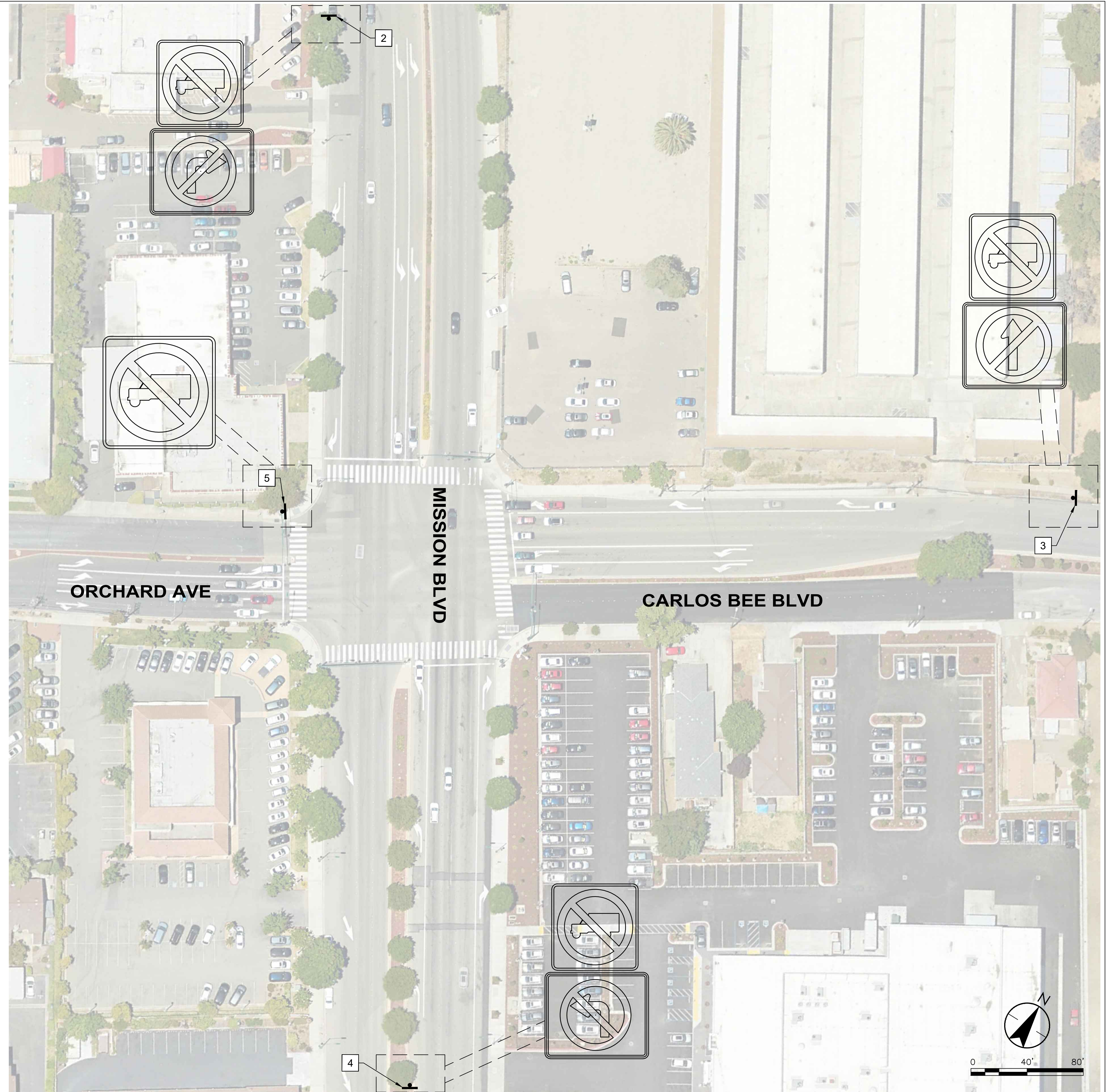
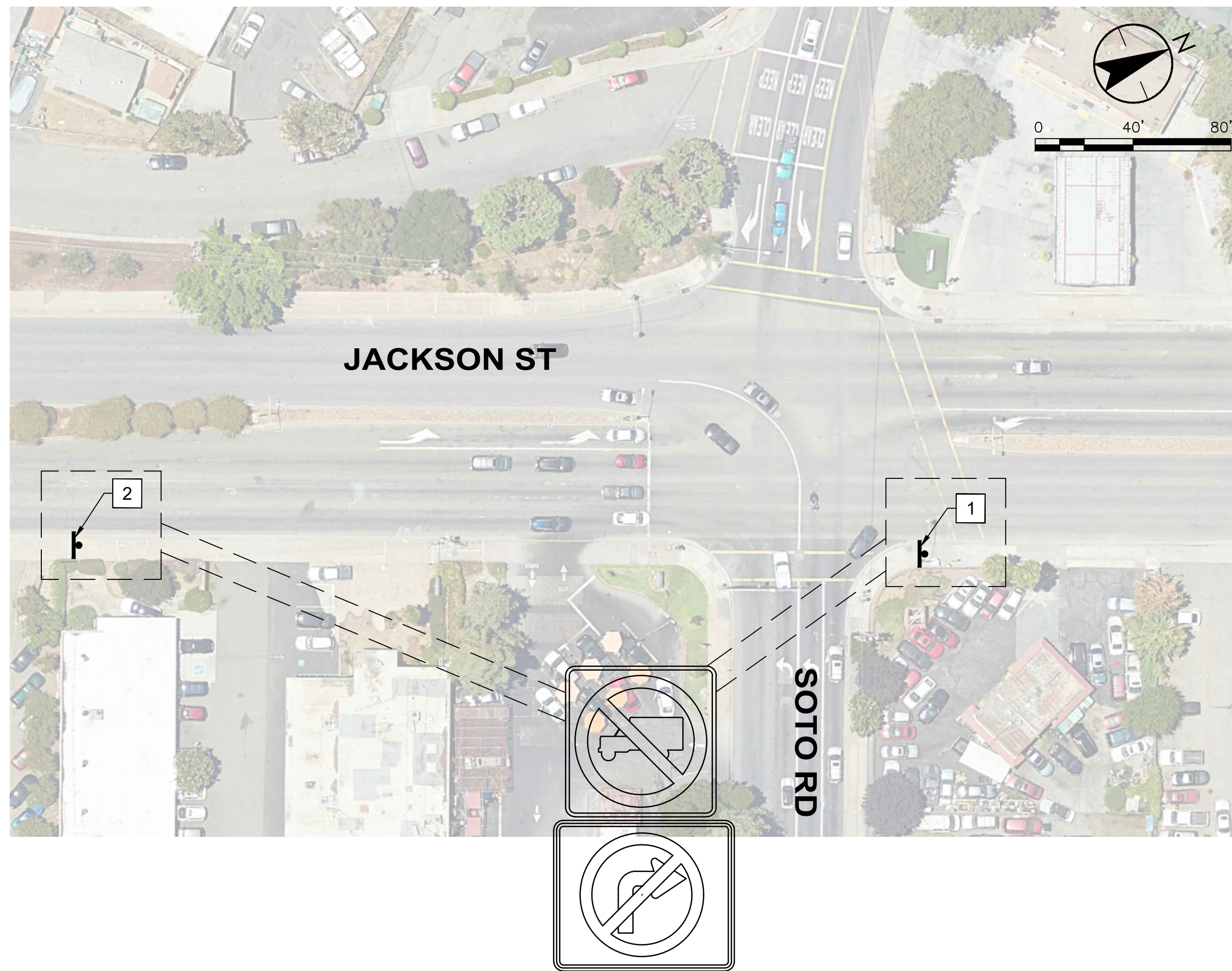
BENCHMARK



ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
MISSION BLVD & CARLOS BEE BLVD IMPROVEMENT PLAN

CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO. 05312  
SHEET 7 OF 9  
DWG.



**PROJECT NOTES (THIS SHEET ONLY):**

- 1 FURNISH AND INSTALL NEW R5-2 (30"x30") SIGN AND R3-1 SIGN ON EXISTING SIGNAL POLE.
- 2 FURNISH AND INSTALL NEW R5-2 (24"x24") SIGN AND R3-1 SIGN AND POST.
- 3 FURNISH AND INSTALL NEW R5-2 (24"x24") SIGN AND R3-27 SIGN AND POST.
- 4 FURNISH AND INSTALL NEW R5-2 (24"x24") SIGN AND R3-2 SIGN AND POST.
- 5 FURNISH AND INSTALL NEW R5-2 (30"x30") SIGN ON EXISTING SIGNAL POLE.

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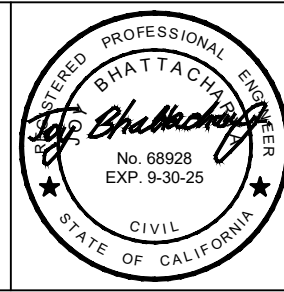
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3003 OAK ROAD, SUITE 100  
WALNUT CREEK, CA 94597

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DRAWN	R.SABINIANO				
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DATE	8/26/2024				
SCALE	1:40	NO.	REVISION	BY	APP.

BENCHMARK

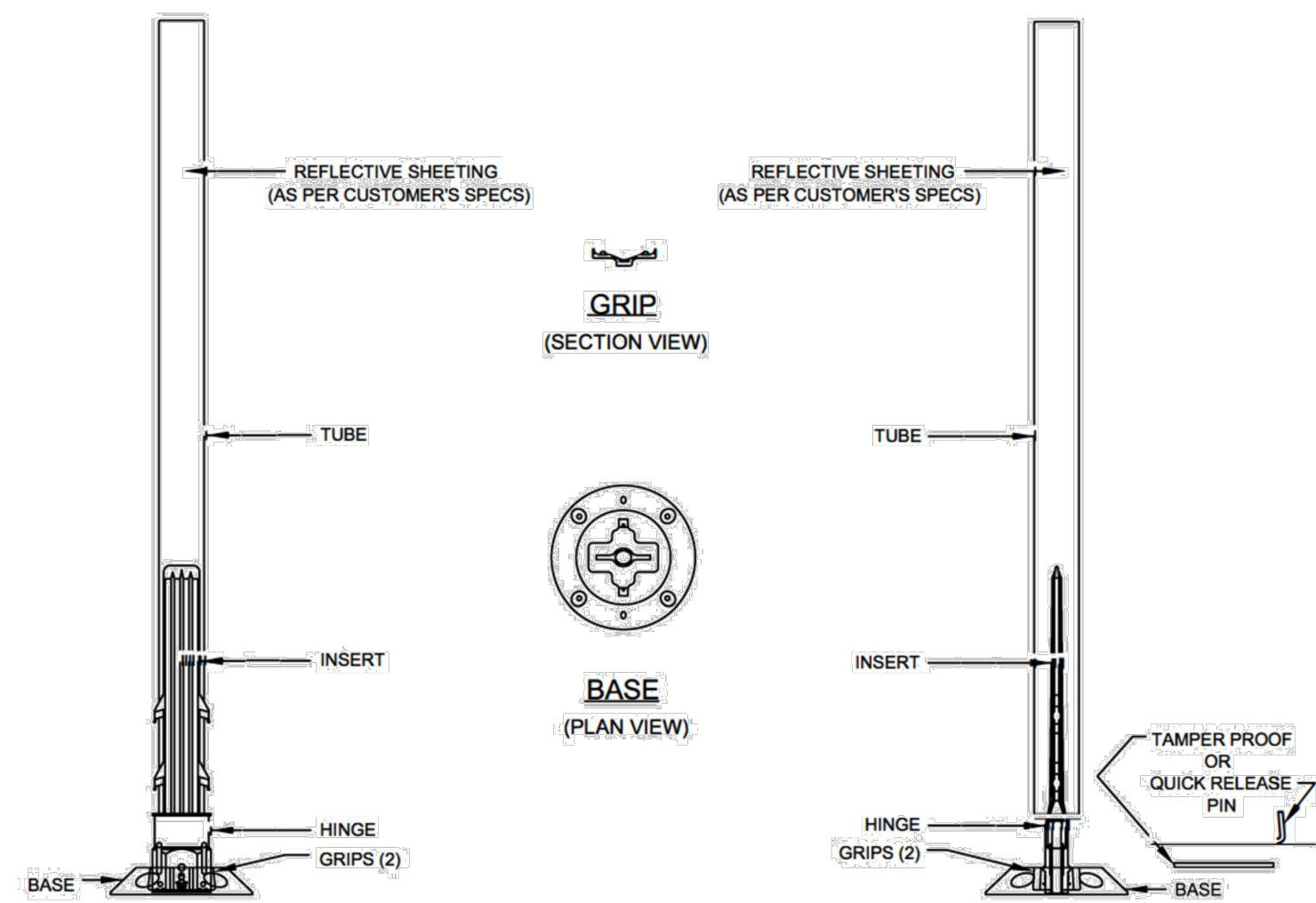


ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
NO TRUCK SIGNAGE

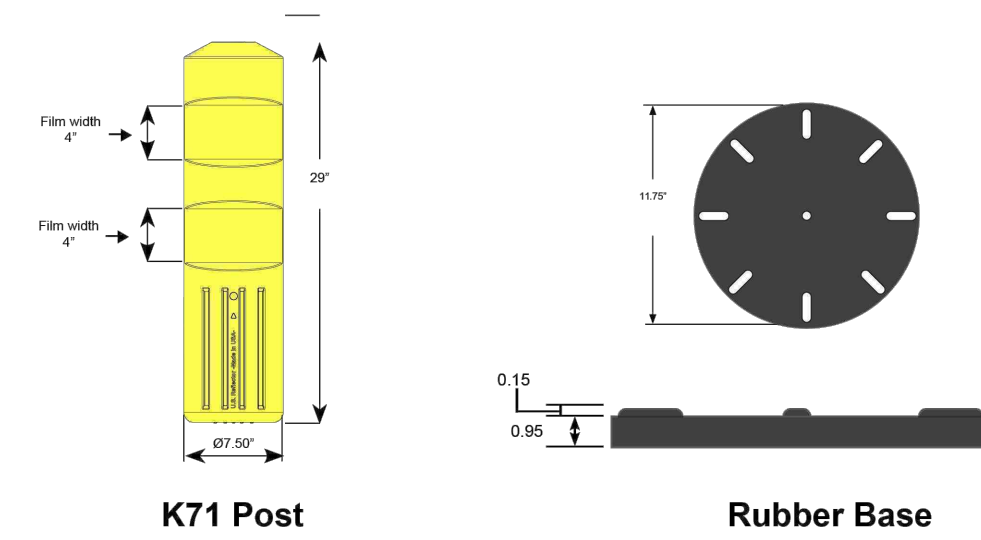
CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

PJ NO. 05312  
SHEET 8 OF 9  
DWG.

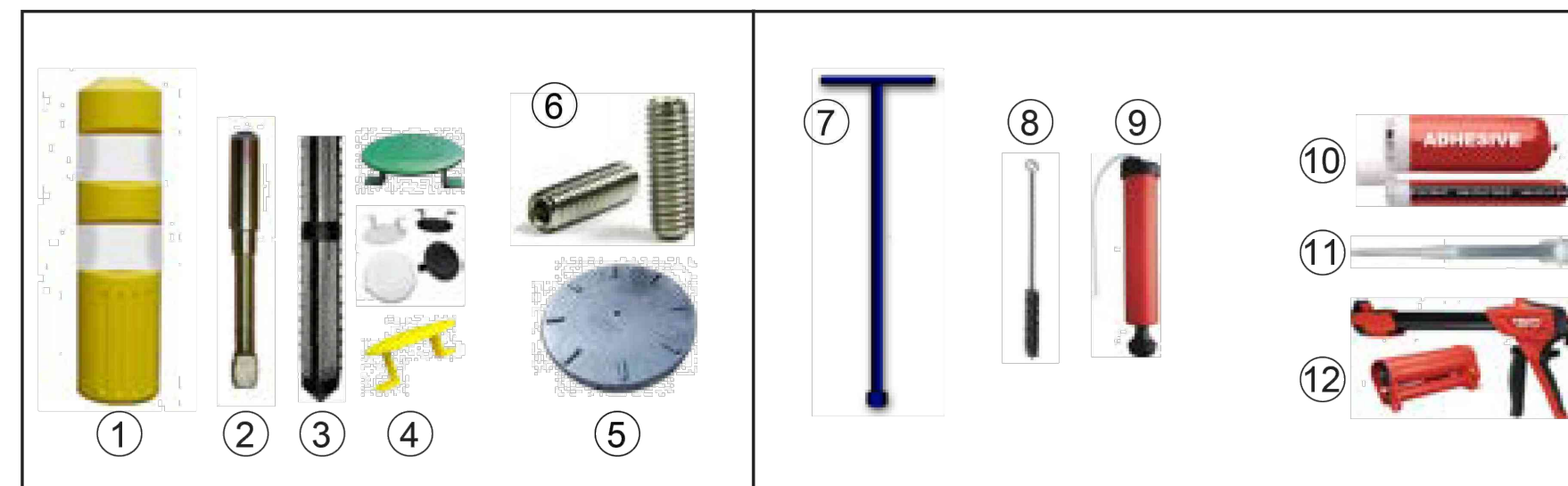




DETAIL A - TRAFFIC FLEX POST (N.T.S.)



INSTALLATION MATERIALS



Ref	Description
1	K71 Traffic Post
2	Metal anchor sleeve (For asphalt & concrete)
3	Nylon reinforcement screen (For asphalt only)
4	Post cap (Optional)
5	Rubber base (Use for glue down or portable weighted)
6	Anti-Debris Set Screw (Protect anchor sleeve during post removal)
7	T-Bar use for installation & removal of K71 Post
8	Wire brush for hole cleaning debris
9	Air Pump gun for cleaning hole
10	2 Part adhesive for bonding metal anchor sleeve
11	Replacement nozzle for 2-part adhesive
12	Manual pump gun for injecting 2-part adhesive

DETAIL C - K71 BOLLARD (N.T.S.)

3" High Safety-Striped Speed Bump & End Cap

Description	Dimensions	Weight
Speed Bump	72" l x 11.75" w x 3" h 4 holes for hardware	77 lbs
End Cap (ea.)	5.75" l x 11.75" w x 3" h 1 hole for hardware (ea.)	5 lbs

**Material** Recycled Rubber construction  
Built-in reflectors for greater visibility

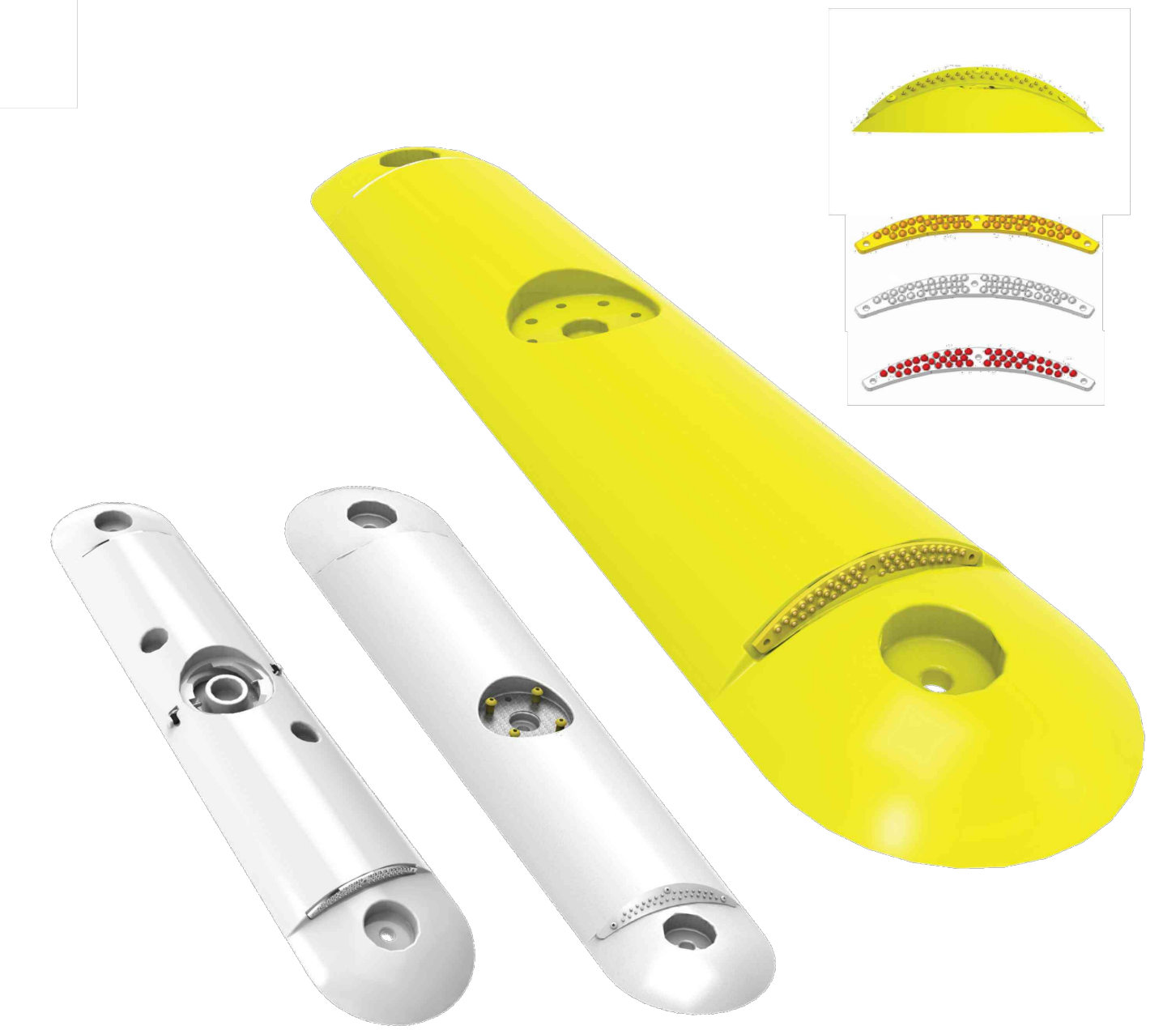


DETAIL B - PREFABRICATED SPEED HUMP (N.T.S.)

Tuff Curb® XLP

TRAFFIC SAFETY  
SPEC SHEET  
P/N TC

Available in the following colors:  
○ ○ ○



Product Specifications

Socket Type	Fixed Quick Release Quarter Turn
Material	Injection-molded polyethylene (single piece)
Dimensions	40" x 8" x 2"; 6.5 lbs.
Hardware	Fixed - stainless steel socket cap screws and t-nuts, Quick Release - zinc chromate shoulder bolts, Quarter Turn - Single galvanized keeper pin
Curb Color	White, yellow, green (integral colorization)
Reflectors	Curved glass-element (45° reflectivity)
Standard Reflector Ordering Options	White - White or white/red reflector combination, Yellow - Yellow reflectors, Green - White or white/red reflector combination
Compatibility	Fixed, Quick Release uprights, Quarter Turn Uprights

DETAIL D - TUFF CURB XLP DELINEATOR SYSTEM (N.T.S.)

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BENCHMARK



ORCHARD AVENUE TRAFFIC CALMING QUICK-BUILD PILOT PROJECT  
CONSTRUCTION DETAILS

CITY OF HAYWARD  
PUBLIC WORKS DEPARTMENT  
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PJ NO.	05312
SHEET	9 OF 9
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