TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
SAN DIEGO COUNTY
PACKAGE 4

GENERAL NOTES

1. THESE STANDARD NOTES AND PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OR MAINTENANCE WORK, INCLUDING SAFETY OF ALL PERSONS, VEHICLES, AND PROPERTY.
2. ALL WORK, MATERIALS, PRACTICES, AND PRINCIPLES SHALL COMPLY WITH THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
3. The CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION, AND THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) LATEST EDITION, SHALL TAKE PRECEDENCE IN THE EVENT OF ANY QUESTION REGARDING THE CONTROL OF THESE STANDARDS.
4. NO DEVIATIONS OR EXCEPTIONS FROM THESE STANDARD NOTES OR PLANS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE PUBLIC WORKS DIRECTOR/CITY ENGINEER.
5. CONES AND DELINEATORS SHALL GENERALLY BE PLACED ON EXISTING LANE LINES, EXCEPT AS NECESSARY FOR LANE CLOSURE TAPERS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ADJACENT PROPERTY OWNERS.
7. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES EXCEPT AS NECESSARY FOR CONSTRUCTION ACTIVITIES IN THE IMMEDIATE VICINITY OF THE WORK AREA.
8. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN A MANNER SUCH THAT AS LITTLE INCONVENIENCE AS POSSIBLE IS CAUSED TO THE PUBLIC AND ABUTTING PROPERTY OWNERS.
9. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, AT ALL TIMES, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC.
11. A MINIMUM LANE WIDTH OF 10'SHALL BE MAINTAINED AT ALL TIMES, NO EXCEPTIONS. WHEN ADJACENT TO CURB LANE, RAISED CURB MEDIANS, OTHER VERTICAL OBSTRUCTION, OR OPPOSING TRAFFIC, THE MINIMUM LANE WIDTH SHALL BE 11'.
12. THE CONTRACTOR SHALL UTILIZE FLAG MEN DURING WORK HOURS AS REQUIRED BY THESE STANDARD PLANS AND AS DEEMED NECESSARY BY THE CITY TO ASSIST IN MAINTAINING SAFE TRAFFIC FLOW.
13. FLASHING ARROW BOARD (FAB) SHALL BE USED FOR ALL LANE CLOSURES AND SHALL BE SOLAR POWERED.
14. THE FIRST SIGN IN A SERIES OF ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS.
15. FLASHING YELLOW BEACONS, TYPE B, SHALL BE USED ON ALL BARRICADES THAT PROTECT THE WORK AREA AFTER NORMAL WORKING HOURS.
16. ALL SIGNS SHALL BE REFLECTORIZED AND OF STANDARD SIZES.
17. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE STRIPING AND LEGENDS TO THEIR ORIGINAL CONDITION AND EQUIPMENT AFTER COMPLETION OF CONSTRUCTION.
18. ALL DELINEATORS SHALL BE 36" MINIMUM PORTABLE, REFLECTORIZED RUBBER GUIDE POST TUBES, ORANGE IN COLOR, WITH WEIGHTED BASES OR SANDBAG RINGS AND SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY.
19. ALL CONES, SHALL BE 28" MINIMUM, ORANGE IN COLOR, AND SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY. ALL CONES SHALL BE FITTED WITH 13" MINIMUM REFLECTIVE SLEEVES FOR NIGHTTIME TRAFFIC CONTROL. MAXIMUM SPACING BETWEEN DELINEATORS SHALL BE 25'.
20. AT LEAST EVERY THIRD CONE AND/OR DELINEATOR SHALL HAVE DELINEATOR OR CONE-MOUNTED DIRECTIONAL ARROWS PER THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) LATEST EDITION.
21. BARRICADES SHALL BE USED, IN LIEU OF OR IN ADDITION TO RUBBER GUIDE POSTS, AS REQUIRED BY THESE STANDARD PLANS AND AT THE DIRECTION OF THE COUNTY, WHEN THEY ARE INTENDED TO PROVIDE ADDITIONAL EMPHASIS IN AREAS WHERE WORKERS ARE PRESENT.
22. C27 (CA) "OPEN TRENCH" SIGNS SHALL BE USED IN CONJUNCTION WITH TYPE II BARRICADES DURING CONSTRUCTION AND NIGHTTIME CLOSURES AS APPLICABLE.
23. WHERE LIGHTS ARE USED TO DELINEATE THE TRAVELED WAY THROUGH AND AROUND THE WORK AREA, THEY SHALL BE TYPE C (STEADY BURN LAMPS).
24. WHEN A STREET CLOSURE IS APPROVED, THE CONTRACTOR SHALL NOTIFY THE POLICE DEPARTMENT, THE FIRE DEPARTMENT, THE LOCAL TRANSIT DISTRICT, AFFECTED RESIDENTS AND BUSINESSES AT LEAST ONE WEEK IN ADVANCE OF THE CLOSURE.
25. ALL STREET ACCESS RESTRICTED BY CONSTRUCTION OR MAINTENANCE ACTIVITIES SHALL BE RESTORED AT THE END OF EACH WORKING DAY UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR/CITY ENGINEER.
26. TEMPORARY "NO STOPPING" SIGNS SHALL BE POSTED 100' APART, AS NECESSARY DURING CONSTRUCTION OPERATIONS. WHEN A TEMPORARY "NO STOPPING" ZONE ON A STREET IS APPROVED BY THE CITY'S REPRESENTATIVE, THE CONTRACTOR SHALL NOTIFY THE POLICE DEPARTMENT AND POST "TOW AWAY, TEMPORARY NO STOPPING" AT LEAST TWO (2) WORKING DAYS IN ADVANCE. THE DURATION OF THE TEMPORARY PARKING RESTRICTION SHALL BE INDICATED ON THE SIGNS.
27. WHEN SIGNAL TIMING AND/OR SIGNAL MODIFICATIONS ARE NECESSARY BEFORE OR DURING THE CONSTRUCTION, AND IF APPROVED BY THE TRAFFIC ENGINEER, THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC DEPARTMENT AT LEAST THREE (3) WORKING DAYS IN ADVANCE OF THE WORK TO BE DONE IN ORDER TO COORDINATE THE CHANGES. THE CONTRACTOR SHALL PROVIDE THE PERSONNEL AND EQUIPMENT TO MAKE THE SIGNAL MODIFICATIONS; THE CITY SHALL MAKE THE NECESSARY SIGNAL TIMING CHANGES.
28. CONTRACTOR SHALL REPLACE ALL TRAFFIC DETECTION DEVICES, SIGNING, STRIPING, MARKINGS, AND LEGENDS DAMAGED DURING CONSTRUCTION.
29. THESE PLANS INDICATE TRAFFIC CONTROL IN THE WORK AREA DURING CONSTRUCTION ACTIVITIES. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS, AND/OR BARRICADES MAY BE NECESSARY OR REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY AS DIRECTED BY THE CITY'S REPRESENTATIVE TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
30. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN DISABILITY ACT (ADA) AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS.
31. INSTALL TEMPORARY NO PARKING SIGNS (IF REQUIRED) 72 HOURS PRIOR TO THE CLOSURE.

SPEED LIMIT	DIMENTION "A" ADVANCE WARNING SIGN SPACING	DIMENSION "L" MERGING TAPER LENGTH	DIMENSION "L/2" SHIFTING TAPER LENGTH	DIMENSION "E" BUFFER SPACE (0% SLOPE)	MAXIMUM CHANNELIZER TAPER SPACING	MAXIMUM CHANNELIZER TANGENT SPACING
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CITY OF CARLSBAD APPROVED

Miriam Jim 2-27-25

FOR TRAFFIC DIVISION DATE

THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITATE FIELD CHANGES TO INSURE PUBLIC SAFETY.

PROJECT LOCATION

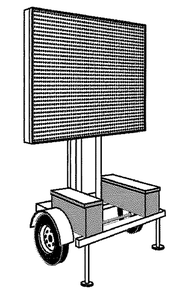
VICINITY MAP
NTS

PROPOSED C.M.S PANELS

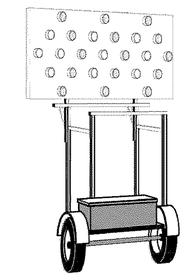
PCMS SIGNS SHALL BE PLACED ATLEAST 72 HOURS PRIOR TO THE CONSTRUCTION.
Coordinate with city inspector on location of PCMS.

FRAME 1	ROAD WORK AHEAD
FRAME 2	EXPECT DELAY
FRAME 3	

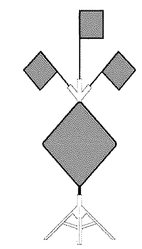
MISCELLANEOUS DEVICES



CHANGEABLE MESSAGE SIGN TRAILER (TYP.) (CMS)



FLASHING ARROW SIGN TRAILER (TYP.) (FAS)



HIGH LEVEL WARNING DEVICE (HLWD)

TRAFFIC CONE

POST TUBE

LEGEND:

1. PROPOSED WORK AREA
2. EXISTING STRIPING
3. EXISTING CURB & GUTTER
4. MUNICIPALITY BOUNDARY LINES
5. DWY — EXISTING DRIVEWAY(S)
6. CALTRANS BOUNDARY LINES
7. PROPOSED CHANNELIZATION LINE
8. EXISTING FENCE LINE
9. PROPOSED FLAG PERSON W/ 2-WAY RADIO
10. PROPOSED PORTABLE ARROW BOARD
11. PROPOSED PORTABLE MESSAGE SIGN
12. PROPOSED SIGN W/ POST
13. PROPOSED TYPE II BARRICADE W/ SIGN(S)
14. PROPOSED TYPE III BARRICADE W/ SIGN(S)
15. K-RAIL
16. CRASH CUSHION

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TWO WORKING DAYS BEFORE YOU DIG

Traffic Control Plans Prepared By:
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CELL: 949-254-4792
EMAIL:INFO@MZBINC.COM

REGISTERED PROFESSIONAL ENGINEER HUMAYUN AZIZ C75713 EXP. 06/30/26 CIVIL STATE OF CALIFORNIA

DESIGN BY: RAWA ASHIQ
REVIEW BY: HUMAYUN AZIZ
APPROVED BY: HUMAYUN AZIZ. P.E.

CONTRACTOR INFORMATION:
CHRIS TIMOTHY
sema@sema.inc

SEMA CONSTRUCTION INC.
7353 S. Eagle Street, Centennial, CO 80112

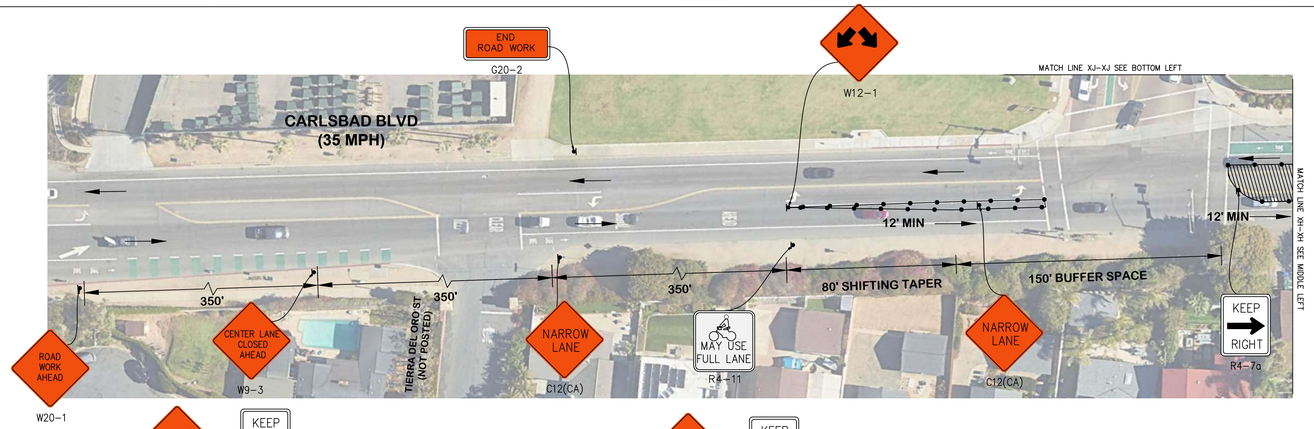
MARK	REVISIONS	APPR.	DATE

CARLSBAD MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY
Carlsbad Municipal Water District
1635 Faraday Ave. Carlsbad, CA 92008
PH: 442-339-2420

APPROVED BY: ENGINEER
DATE

TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
TITLE PAGE - PACKAGE 04
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 00
SHEET 01 OF 15



SIGNS TAKE OFF

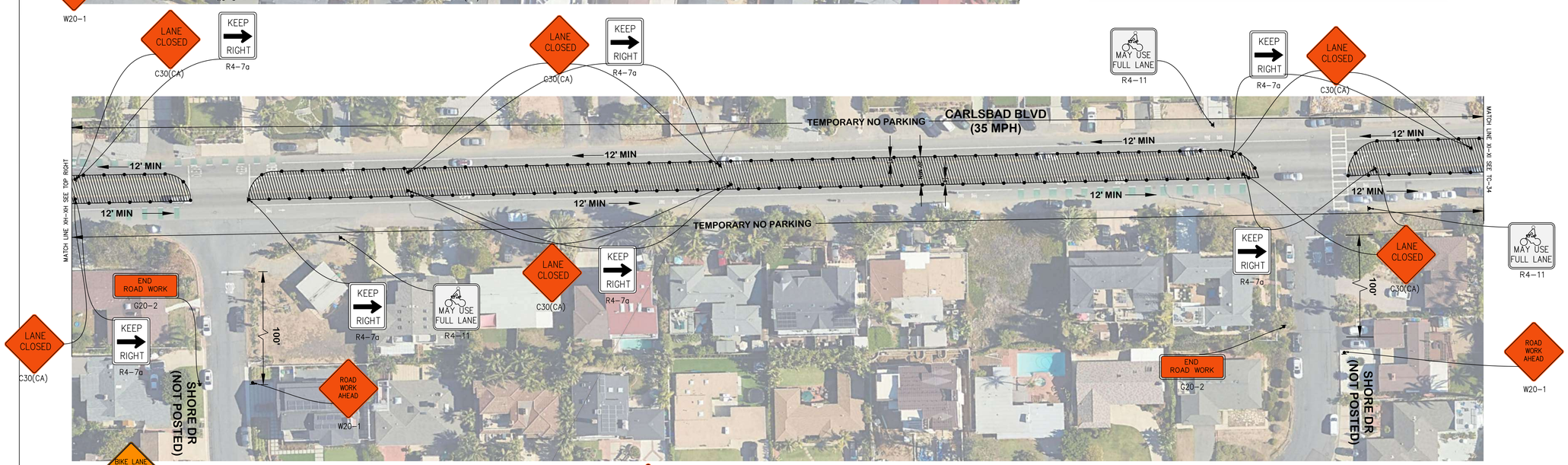
S. No.	Sign	Unit	Qty
1	G20-2	EA	7
2	W20-1	EA	7
3	C30(CA)	EA	22
4	W20-5(BIKE)	EA	2
5	R4-7a	EA	24
6	C12(CA)	EA	2
7	W9-3	EA	2
8	R4-11	EA	6
9	W12-1	EA	1

WORK HOURS:

7:00AM TO 4:30PM

NOTES:

1. ACCESS TO DRIVEWAYS AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES.
2. CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.
3. FLAGGER TO ASSIST PEDESTRIAN CROSSING AS REQUIRED.
4. NIGHT WORK/ WEEKEND WORK IS PERMITTED
5. WORK IS IN INTERSECTION SO THEREFORE TWO LANES ARE NECESSARY



CITY OF CARLSBAD APPROVED

Miriam Jim 2-27-25

FOR TRAFFIC DIVISION DATE

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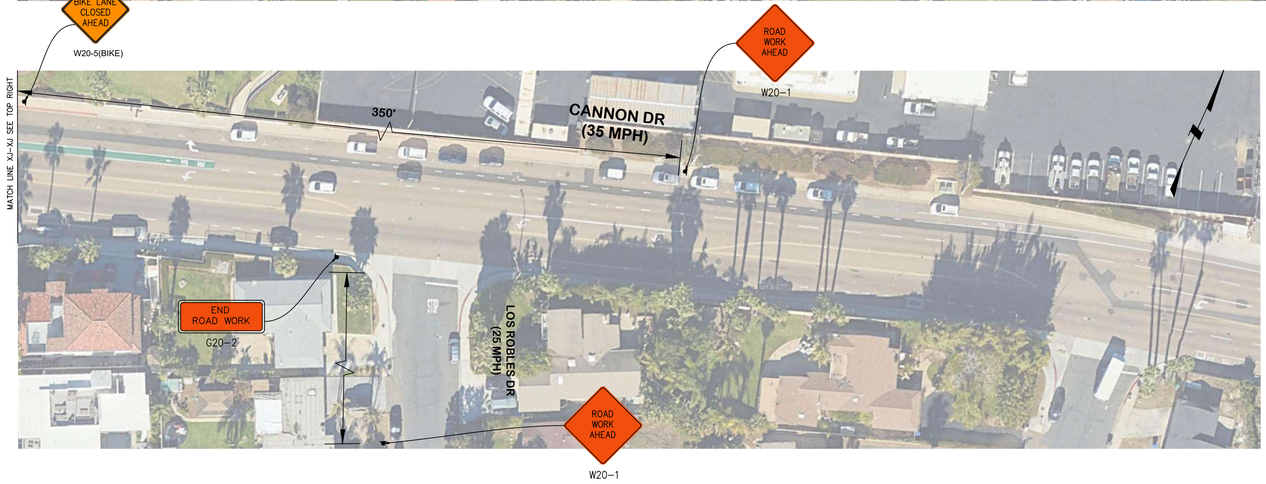

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PHASE 4-1 SCALE 1" = 40'

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DESIGN BY: RAZAAIN TARIQ
REVIEW BY: HUMAYUN AZIZ
APPROVED BY: HUMAYUN AZIZ. P.E.

CONTRACTOR INFORMATION:
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sema@sema.inc

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SAN DIEGO COUNTY
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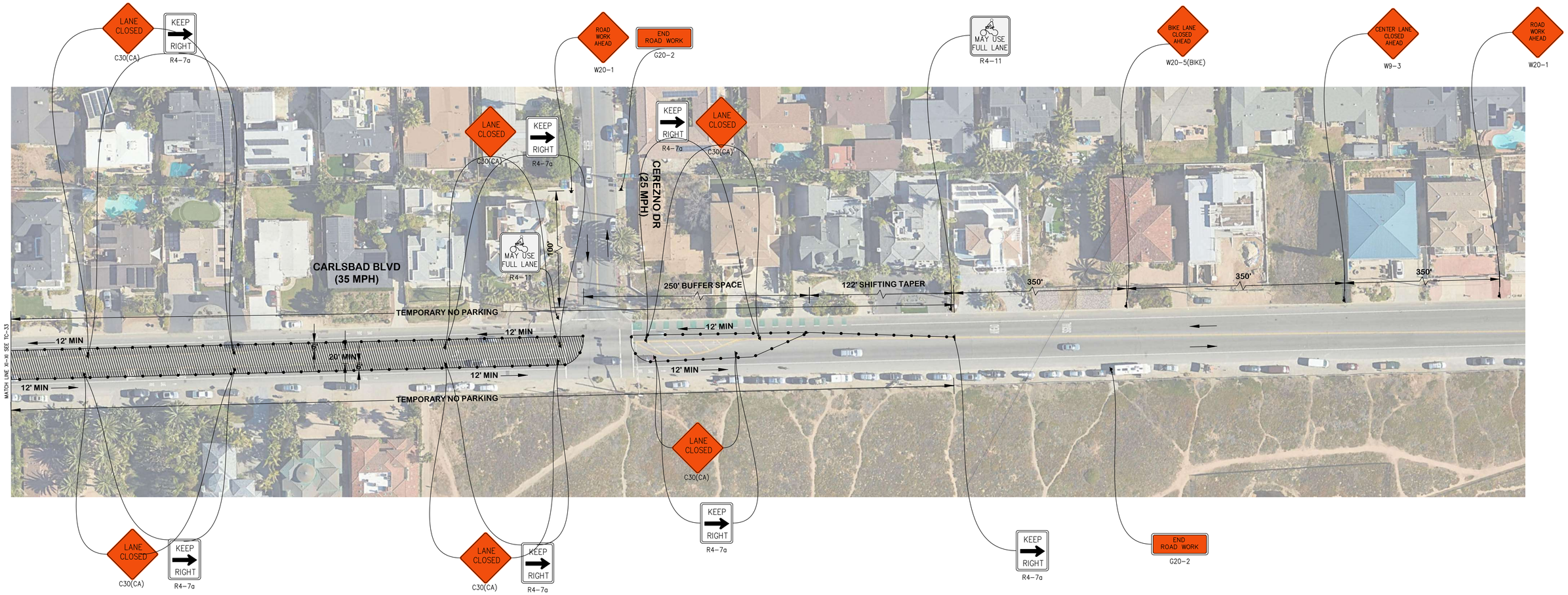
TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 33
SHEET 02 OF 15



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WORK HOURS:

7:00AM TO 4:30PM

NOTES:

1. ACCESS TO DRIVEWAYS AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES.
2. CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.
3. FLAGGER TO ASSIST PEDESTRIAN CROSSING AS REQUIRED.
4. NIGHT WORK/ WEEKEND WORK IS PERMITTED
5. WORK IS IN INTERSECTION SO THEREFORE TWO LANES ARE NECESSARY

CITY OF CARLSBAD
APPROVED

Miriam Jim 2-27-25
FOR TRAFFIC DIVISION DATE

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PHASE 4-1 SCALE 1" = 40'

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DESIGN BY: RAZAAIN TARIQ
REVIEW BY: HUMAYUN AZIZ
APPROVED BY: HUMAYUN AZIZ. P.E.

CONTRACTOR INFORMATION:
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sema@sema.inc

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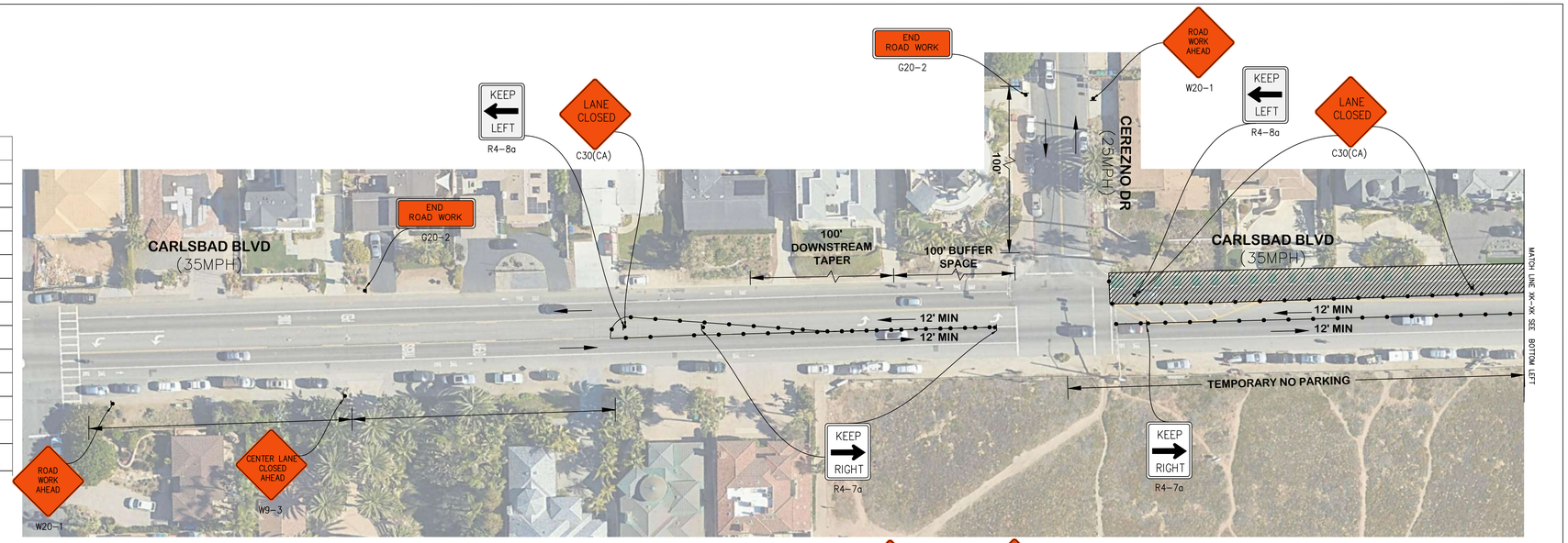
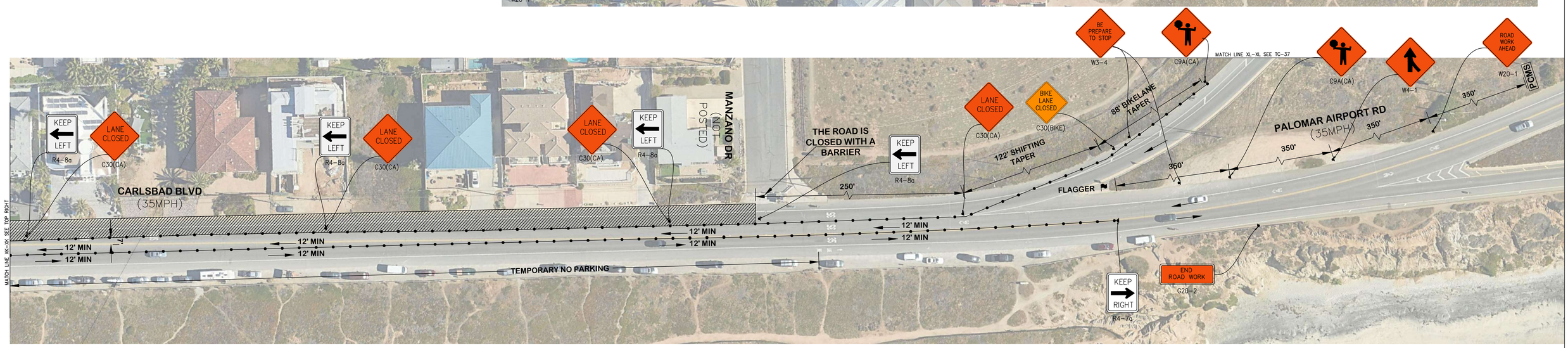
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD & CRENZO DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 34
SHEET 03 OF 15

SIGNS TAKE OFF

S. No.	Sign	Unit	Qty
1	G20-2	EA	3
2	W20-1	EA	4
3	C30(CA)	EA	7
4	C20(CA)(R)	EA	1
5	W4-2(R)	EA	1
6	R4-8a	EA	6
7	C30 (BIKE)	EA	1
8	R4-11	EA	1
9	C9A(CA)	EA	2
10	W3-4	EA	2
11	R4-7a	EA	4
12	W4-1	EA	1
13	W9-3	EA	1





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2. CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.
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PROPOSED C.M.S PANELS

PCMS SIGNS SHALL BE PLACED ATLEAST 72 HOURS PRIOR TO THE CONSTRUCTION.

FRAME 1	ROAD WORK AHEAD
FRAME 2	EXPECT DELAY
FRAME 3	

CITY OF CARLSBAD APPROVED

Miriam Jim 2-27-25

FOR TRAFFIC DIVISION DATE

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DESIGN BY: SHEES HAMID
REVIEW BY: HUMAYUN AZIZ
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CARLSBAD BLVD & CRENZO DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 35
SHEET 04 OF 15

CITY OF CARLSBAD
APPROVED

Miriam Jim — 2-27-25
FOR TRAFFIC DIVISION — DATE

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FRAME 2	EXPECT DELAY
FRAME 3	

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REGISTERED PROFESSIONAL ENGINEER HUMAYUN AZIZ C75713 EXP.06/30/26 CIVIL STATE OF CALIFORNIA

DESIGN BY: SHEES HAMID
REVIEW BY: HUMAYUN AZIZ
APPROVED BY: HUMAYUN AZIZ. P.E.

CONTRACTOR INFORMATION:
CHRIS TIMOTHY
sema@sema.inc

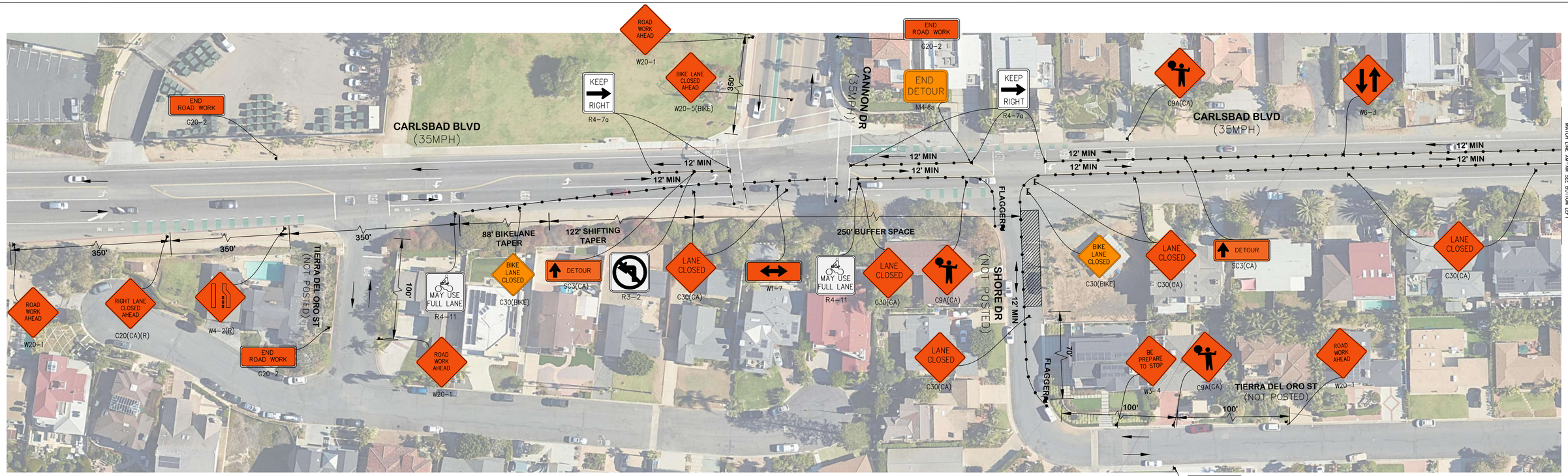
SEMA CONSTRUCTION INC.
7353 S. Eagle Street, Centennial, CO 80112

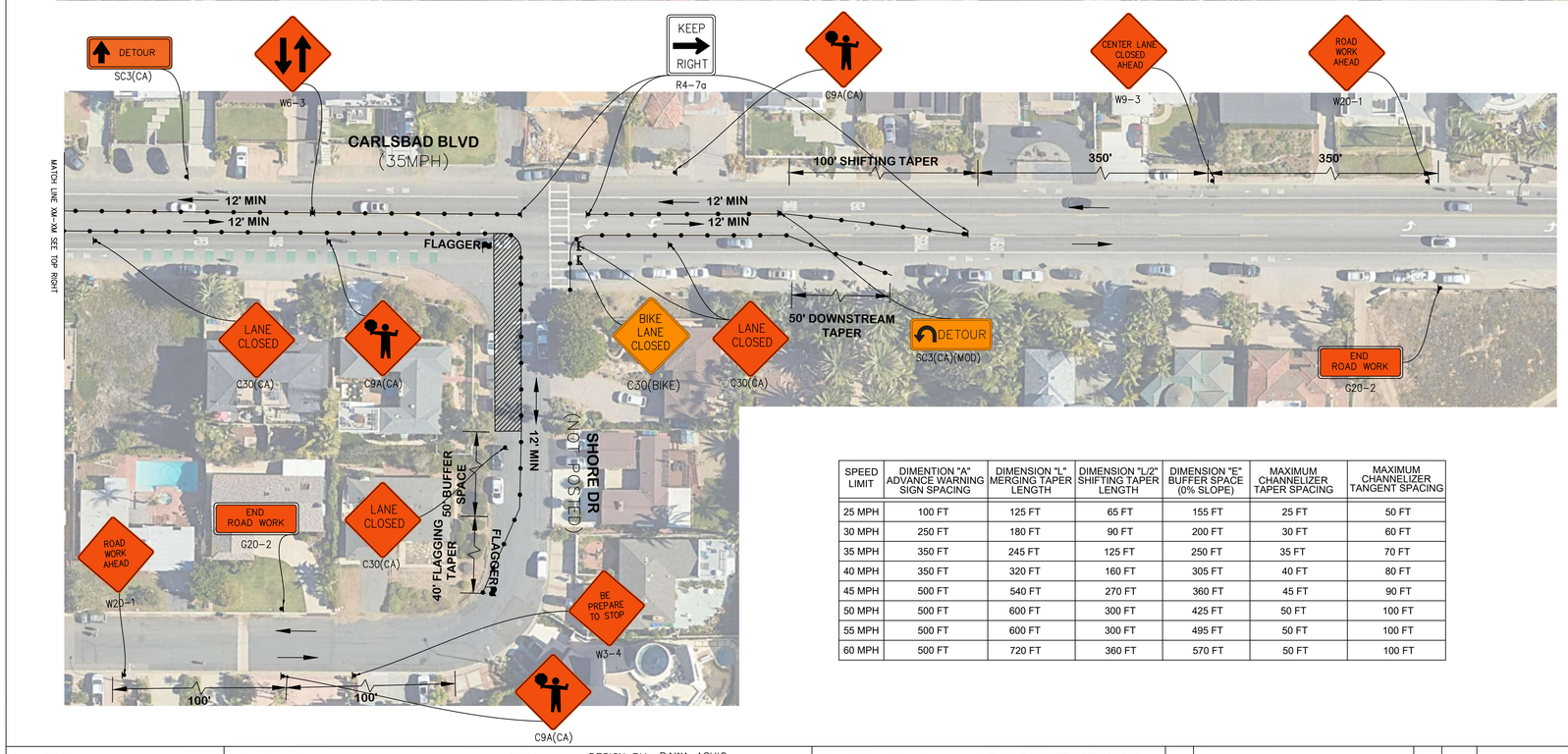
MARK	REVISIONS	APPR.	DATE

CARLSBAD MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY
Carlsbad Municipal Water District
1635 Faraday Ave. Carlsbad, CA 92008
PH: 442-339-2420
APPROVED BY: ENGINEER
DATE

TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD & CRENZO DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC -36
SHEET 05 OF 15





SPEED LIMIT	DIMENTION "A" ADVANCE WARNING SIGN SPACING	DIMENSION "L" MERGING TAPER LENGTH	DIMENSION "L/2" SHIFTING TAPER LENGTH	DIMENSION "E" BUFFER SPACE (0% SLOPE)	MAXIMUM CHANNELIZER TAPER SPACING	MAXIMUM CHANNELIZER TANGENT SPACING
25 MPH	100 FT	125 FT	65 FT	155 FT	25 FT	50 FT
30 MPH	250 FT	180 FT	90 FT	200 FT	30 FT	60 FT
35 MPH	350 FT	245 FT	125 FT	250 FT	35 FT	70 FT
40 MPH	350 FT	320 FT	160 FT	305 FT	40 FT	80 FT
45 MPH	500 FT	540 FT	270 FT	360 FT	45 FT	90 FT
50 MPH	500 FT	600 FT	300 FT	425 FT	50 FT	100 FT
55 MPH	500 FT	600 FT	300 FT	495 FT	50 FT	100 FT
60 MPH	500 FT	720 FT	360 FT	570 FT	50 FT	100 FT

SIGNS TAKE OFF

S. No.	Sign	Unit	Qty
1	G20-2	EA	6
2	W20-1	EA	6
3	C30(CA)	EA	12
4	C20(CA)(R)	EA	1
5	W4-2(R)	EA	1
6	C30BIKE)	EA	3
7	W1-7	EA	1
8	R4-7a	EA	8
9	R4-11	EA	2
10	C9A(CA)	EA	6
11	W3-4	EA	2
12	W9-3	EA	1
13	R3-2	EA	1
14	SC3(CA)	EA	3
15	SC3(CA)MOD	EA	1
16	M4-8a	EA	1

WORK HOURS:

7:00AM TO 4:30PM

NOTES:

1. ACCESS TO DRIVEWAYS AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES.
2. CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.
3. FLAGGER TO ASSIST PEDESTRIAN CROSSING AS REQUIRED.
4. NIGHT WORK/ WEEKEND WORK IS PERMITTED
5. WORK IS IN INTERSECTION SO THEREFORE TWO LANES ARE NECESSARY

PHASE-8A

SCALE 1" = 40'

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

Traffic Control Plans Prepared By:
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HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 37
SHEET 06 OF 15

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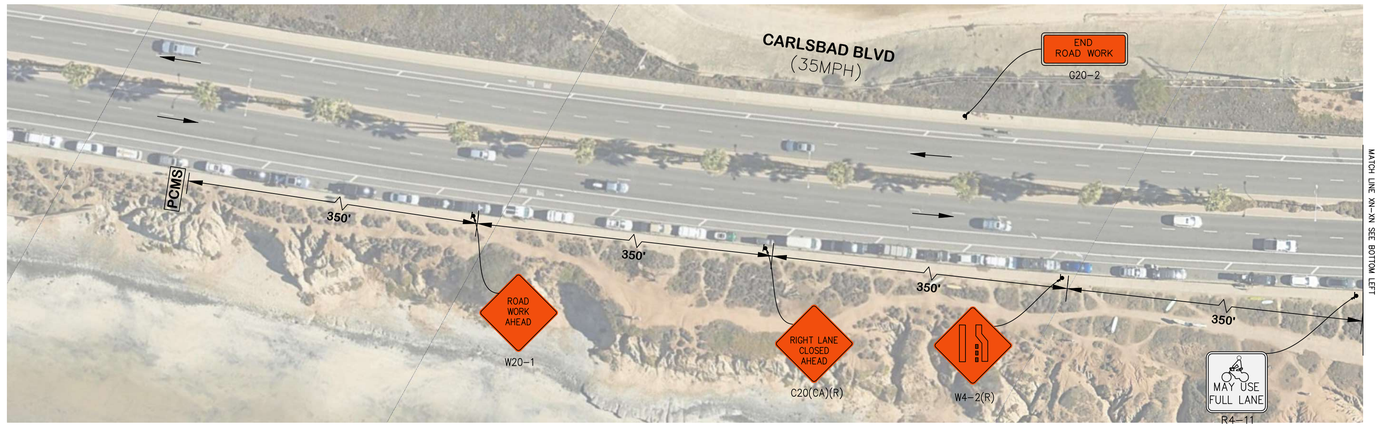
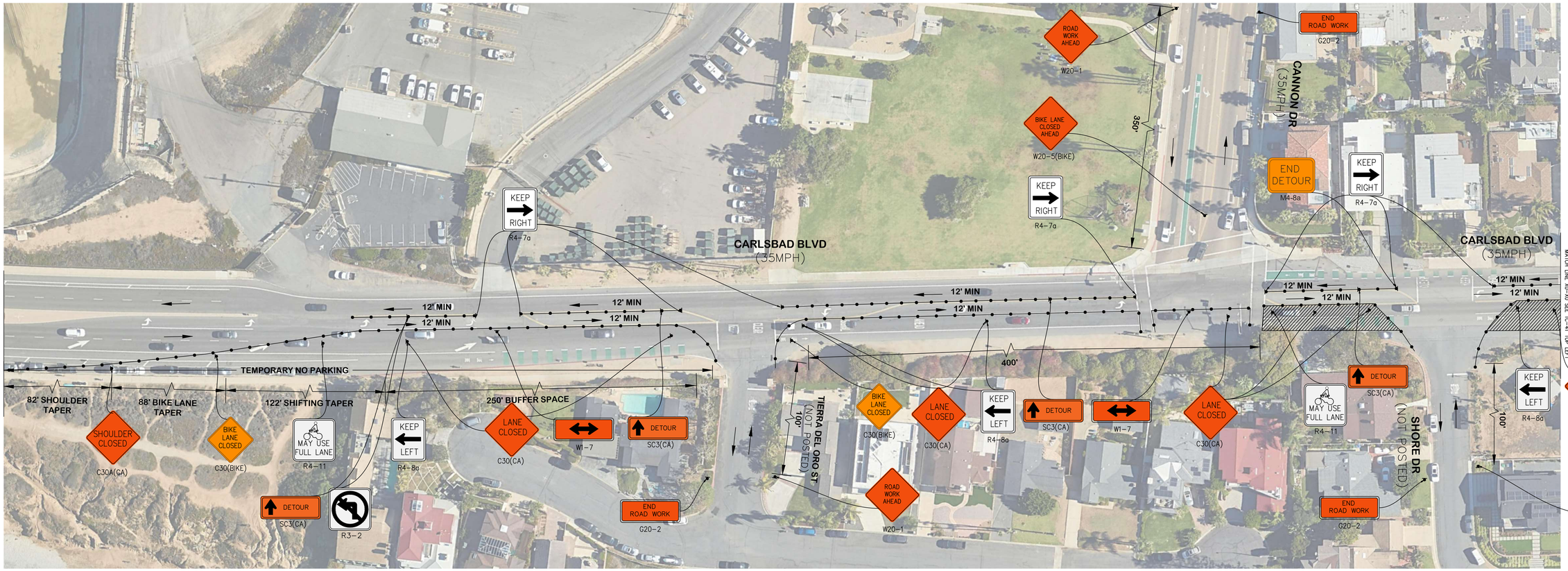
PROPOSED C.M.S PANELS

PCMS SIGNS SHALL BE PLACED ATLEAST 72 HOURS PRIOR TO THE CONSTRUCTION.

FRAME 1	ROAD WORK AHEAD
FRAME 2	EXPECT DELAY
FRAME 3	





PHASE-8-B SCALE 1" = 40'

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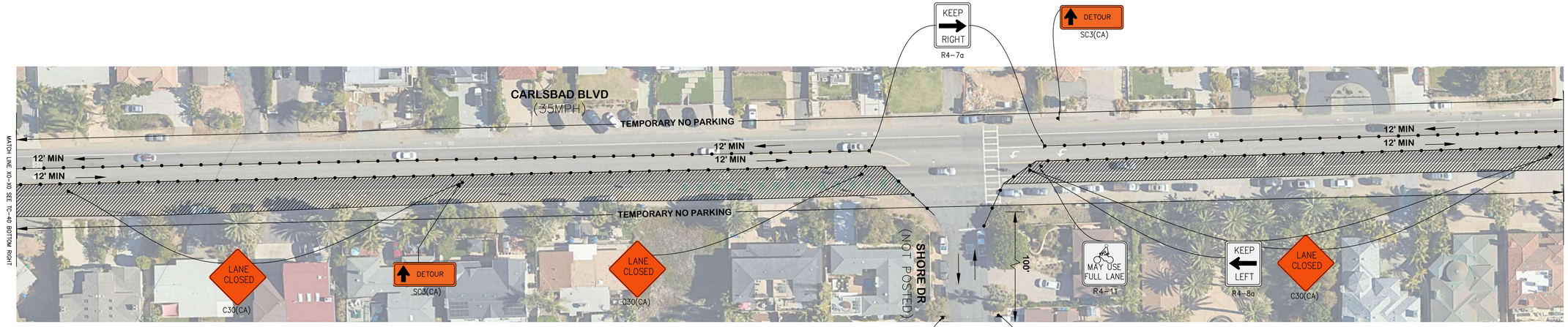
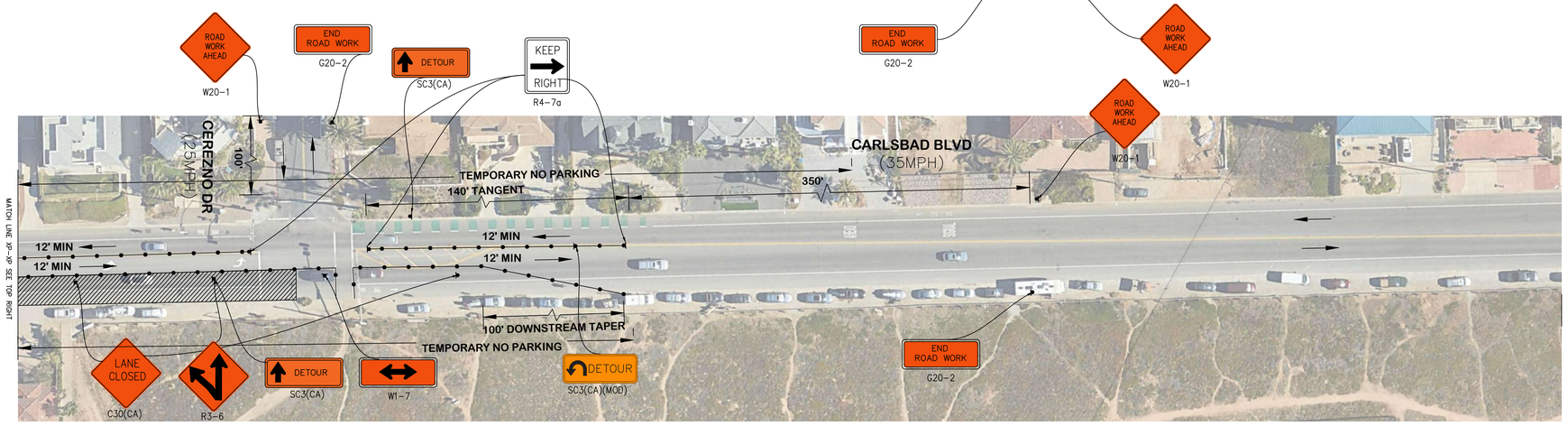
SHEET 07 OF 15





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S. No.	Sign	Unit	Qty
1	G20-2	EA	7
2	W20-1	EA	7
3	C30(CA)	EA	15
4	C20(CA)(R)	EA	1
5	W4-2(R)	EA	1
6	R4-8a	EA	5
7	C30(BIKE)	EA	2
8	R4-7a	EA	13
9	R4-11	EA	4
10	C30A(CA)	EA	1
11	SC3(CA)	EA	8
12	W20-4	EA	1
13	W3-1	EA	1
14	W1-7	EA	3
15	R3-6	EA	1
16	R3-2	EA	1
17	W20-5(BIKE)	EA	1
18	SC3(CA)MOD	EA	1
19	M4-8a	EA	1

WORK HOURS:

7:00AM TO 4:30PM

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PHASE-8-B SCALE 1" = 40'

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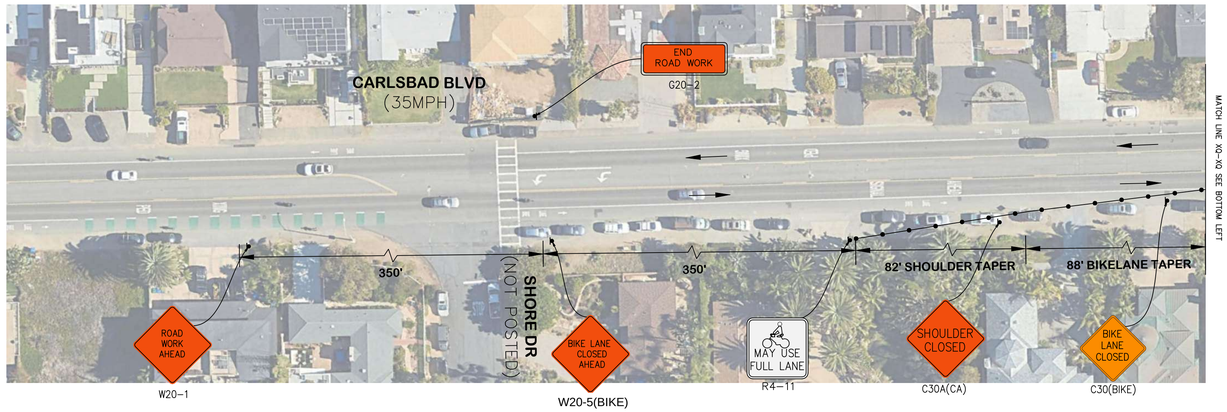
CARLSBAD BLVD
HORIZ. SCALE: 1"= 40' VERT. SCALE:

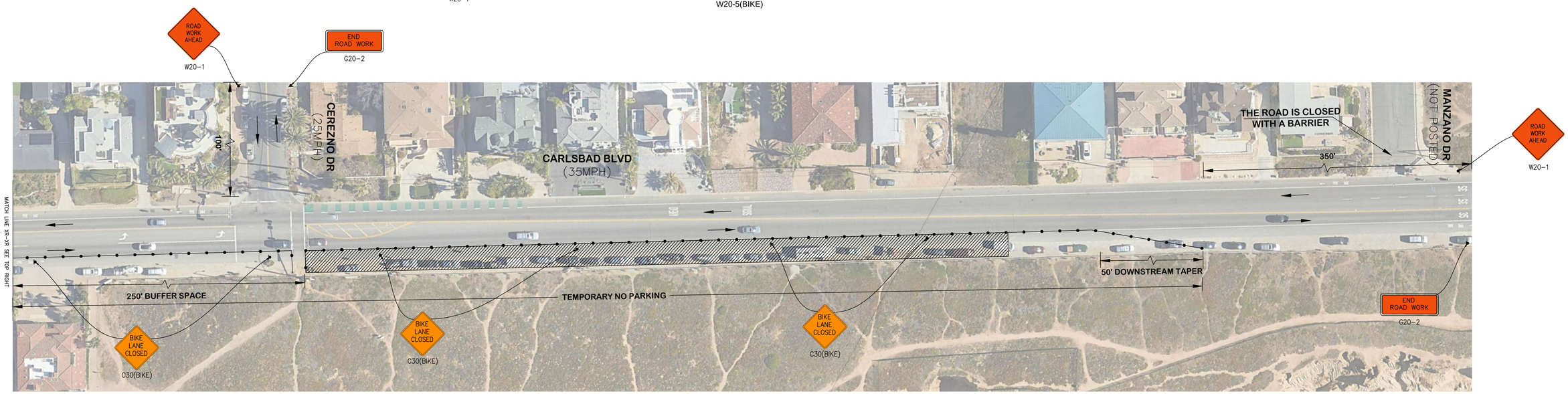
TC - 39
SHEET 08 OF 15



CITY OF CARLSBAD
APPROVED

Miriam Jim — 2-27-25
FOR TRAFFIC DIVISION — DATE

THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITATE FIELD CHANGES TO INSURE PUBLIC SAFETY.



SIGNS TAKE OFF

S. No.	Sign	Unit	Qty
1	G20-2	EA	3
2	W20-1	EA	3
3	C30(BIKE)	EA	7
4	R4-11	EA	1
5	C30A(CA)	EA	1
6	W20-5(BIKE)	EA	1

WORK HOURS:

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PHASE-8C SCALE 1" = 40'

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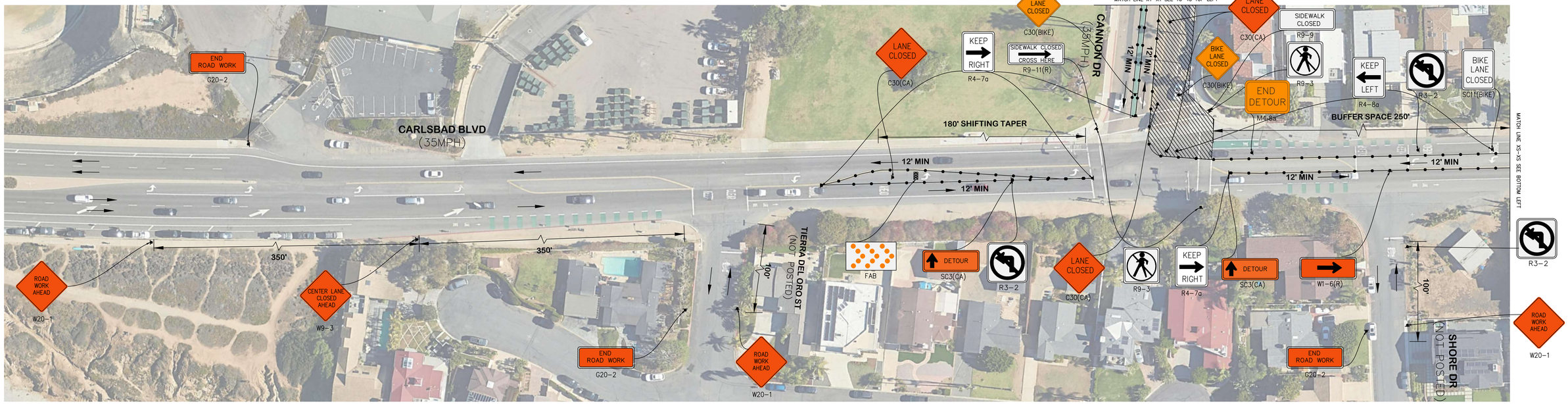
TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 40
SHEET 09 OF 15



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4	C20(CA)(L)	EA	1
5	W4-2(L)	EA	1
6	R4-8a	EA	4
7	R4-7a	EA	7
7	C30(BIKE)	EA	3
9	R4-11	EA	1
10	R9-3	EA	3
11	W1-6(R)	EA	1
12	R9-9	EA	1
13	C9A(CA)	EA	2
14	W12-1	EA	1
15	C20(CA)(R)	EA	1
16	W4-2(R)	EA	1
17	R3-2	EA	3
18	FAB	EA	3
19	W9-3	EA	1
20	R9-11(L)	EA	1
21	R9-11(R)	EA	1
22	W3-4	EA	1
23	SC3(CA)	EA	3
24	SC3(CA)MOD	EA	1
25	M4-8a	EA	1

WORK HOURS:

7:00AM TO 4:30PM

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TC - 41
SHEET 10 OF 15

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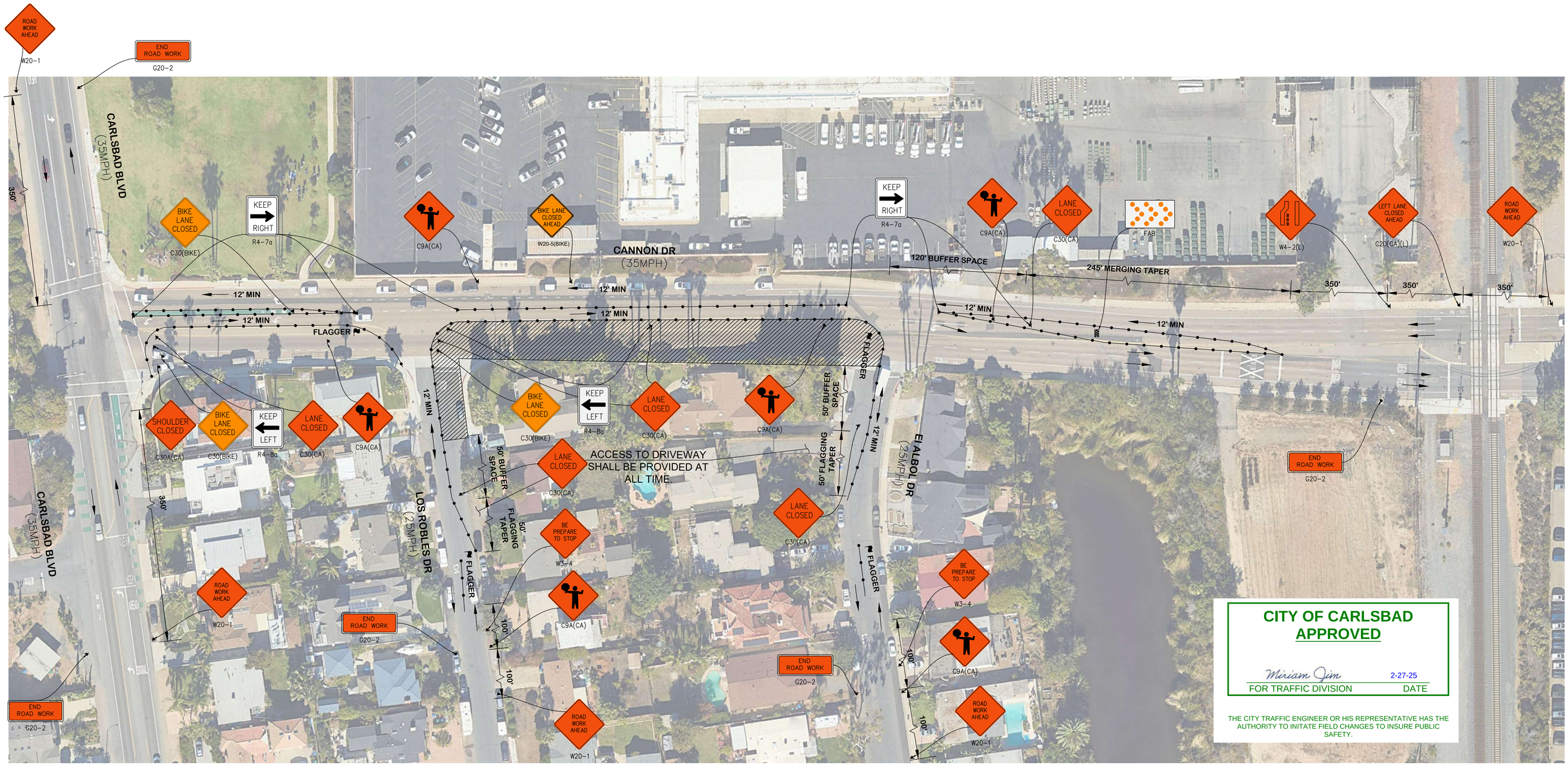
SHEET 11 OF 15



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2	W20-1	EA	5
3	C30(CA)	EA	7
4	C20(CA)(L)	EA	1
5	W4-2(L)	EA	1
6	R4-8a	EA	3
7	R4-7a	EA	6
7	C30(BIKE)	EA	3
9	W20-5(BIKE)	EA	1
10	FAB	EA	1

S. No.	Sign	Unit	Qty
11	C30A(CA)	EA	1
12	C9A(CA)	EA	6
13	W3-4	EA	2

PHASE–9B SCALE 1" = 40'

Under Ground Service Alert of Southern California
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TWO WORKING DAYS BEFORE YOU DIG

Traffic Control Plans Prepared By:
MZB ENGINEERING
WWW.MZBINC.COM
CELL: 949-254-4792
EMAIL:INFO@MZBINC.COM

REGISTERED PROFESSIONAL ENGINEER HUMAYUN AZIZ C75713 EXP.06/30/26 CIVIL STATE OF CALIFORNIA

DESIGN BY: RAWA ASHIQ
REVIEW BY: HUMAYUN AZIZ
APPROVED BY: HUMAYUN AZIZ. P.E.

CONTRACTOR INFORMATION:
CHRIS TIMOTHY
sema@sema.inc

SEMA CONSTRUCTION INC.
7353 S. Eagle Street, Centennial, CO 80112

MARK	REVISIONS	APPR.	DATE

CARLSBAD MUNICIPAL WATER DISTRICT
SAN DIEGO COUNTY
Carlsbad Municipal Water District
1635 Faraday Ave. Carlsbad, CA 92008
PH: 442-339-2420
APPROVED BY: ENGINEER
DATE

TRAFFIC CONTROL PLAN
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD & CANON DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 43
SHEET 12 OF 15

WORK HOURS:

7:00AM TO 4:30PM

NOTES:

1. ACCESS TO DRIVEWAYS AND SIDE STREETS MUST BE MAINTAINED AT ALL TIMES.
2. CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.
3. FLAGGER TO ASSIST PEDESTRIAN CROSSING AS REQUIRED.
4. NIGHT WORK/ WEEKEND WORK IS PERMITTED
5. WORK IS IN INTERSECTION SO THEREFORE TWO LANES ARE NECESSARY

SPEED LIMIT	DIMENTION "A" ADVANCE WARNING SIGN SPACING	DIMENSION "L" MERGING TAPER LENGTH	DIMENSION "L/2" SHIFTING TAPER LENGTH	DIMENSION "E" BUFFER SPACE (0% SLOPE)	MAXIMUM CHANNELIZER TAPER SPACING	MAXIMUM CHANNELIZER TANGENT SPACING
25 MPH	100 FT	125 FT	65 FT	155 FT	25 FT	50 FT
30 MPH	250 FT	180 FT	90 FT	200 FT	30 FT	60 FT
35 MPH	350 FT	245 FT	125 FT	250 FT	35 FT	70 FT
40 MPH	350 FT	320 FT	160 FT	305 FT	40 FT	80 FT
45 MPH	500 FT	540 FT	270 FT	360 FT	45 FT	90 FT
50 MPH	500 FT	600 FT	300 FT	425 FT	50 FT	100 FT
55 MPH	500 FT	600 FT	300 FT	495 FT	50 FT	100 FT
60 MPH	500 FT	720 FT	360 FT	570 FT	50 FT	100 FT

SIGNS TAKE OFF

S. No.	Sign	Unit	Qty
1	G20-2	EA	7
2	W20-1	EA	7
3	C30(CA)	EA	9
4	C20(CA)(L)	EA	1
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6	R4-8a	EA	2
7	R4-7a	EA	9
7	C30(BIKE)	EA	3
9	W12-1	EA	1
10	FAB	EA	1
11	C9A(CA)	EA	3
12	W3-4	EA	2
13	R4-11	EA	1

CITY OF CARLSBAD APPROVED

Miriam Jim 2-27-25

FOR TRAFFIC DIVISION DATE

THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITATE FIELD CHANGES TO INSURE PUBLIC SAFETY.

PHASE-9C SCALE 1" = 40'

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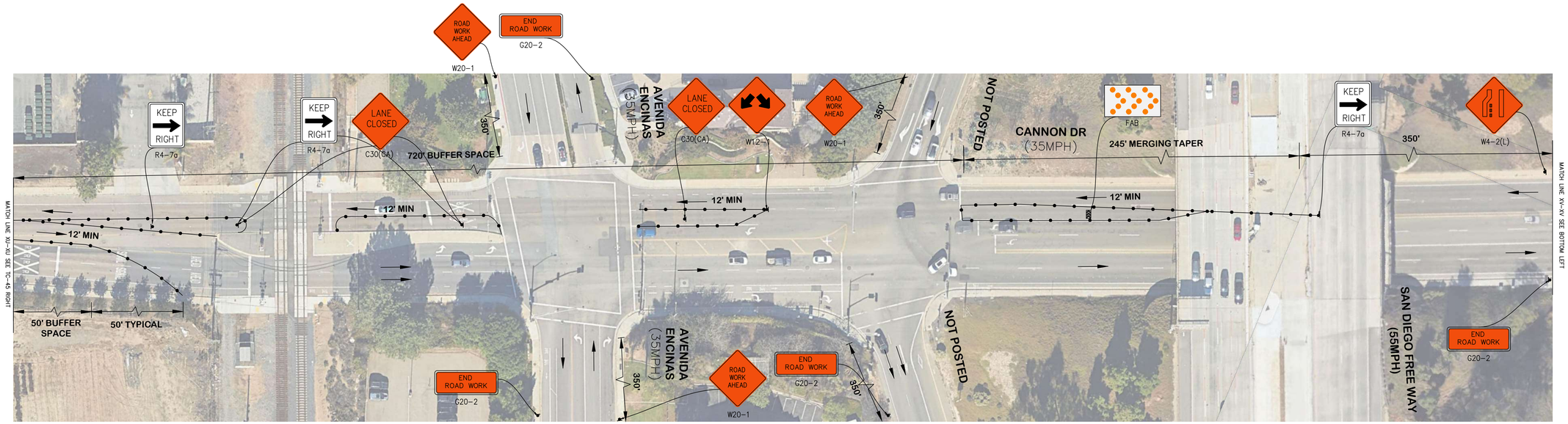
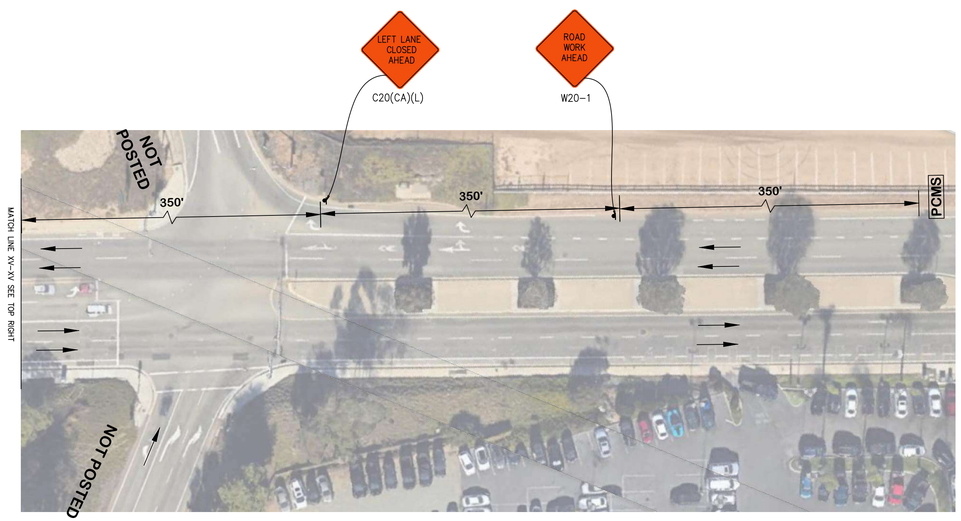
CARLSBAD BLVD WATER AND SEWER IMPROVEMENTS AT TERRAMAR
CARLSBAD BLVD & CANON DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 44
SHEET 13 OF 15





WORK HOURS:

7:00AM TO 4:30PM

NOTES:

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55 MPH	500 FT	600 FT	300 FT	495 FT	50 FT	100 FT
60 MPH	500 FT	720 FT	360 FT	570 FT	50 FT	100 FT

PROPOSED C.M.S PANELS

PCMS SIGNS SHALL BE PLACED ATLEAST 72 HOURS PRIOR TO THE CONSTRUCTION.

FRAME 1	ROAD WORK AHEAD
FRAME 2	EXPECT DELAY
FRAME 3	

CITY OF CARLSBAD APPROVED

Miriam Jim 2-27-25

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PHASE-9C SCALE 1" = 40'

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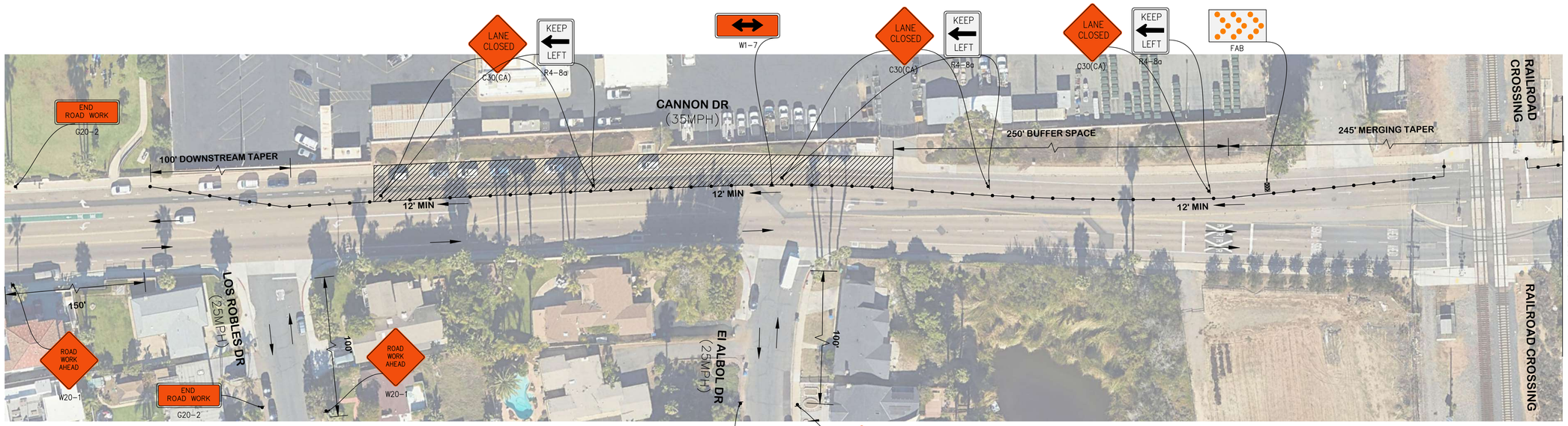
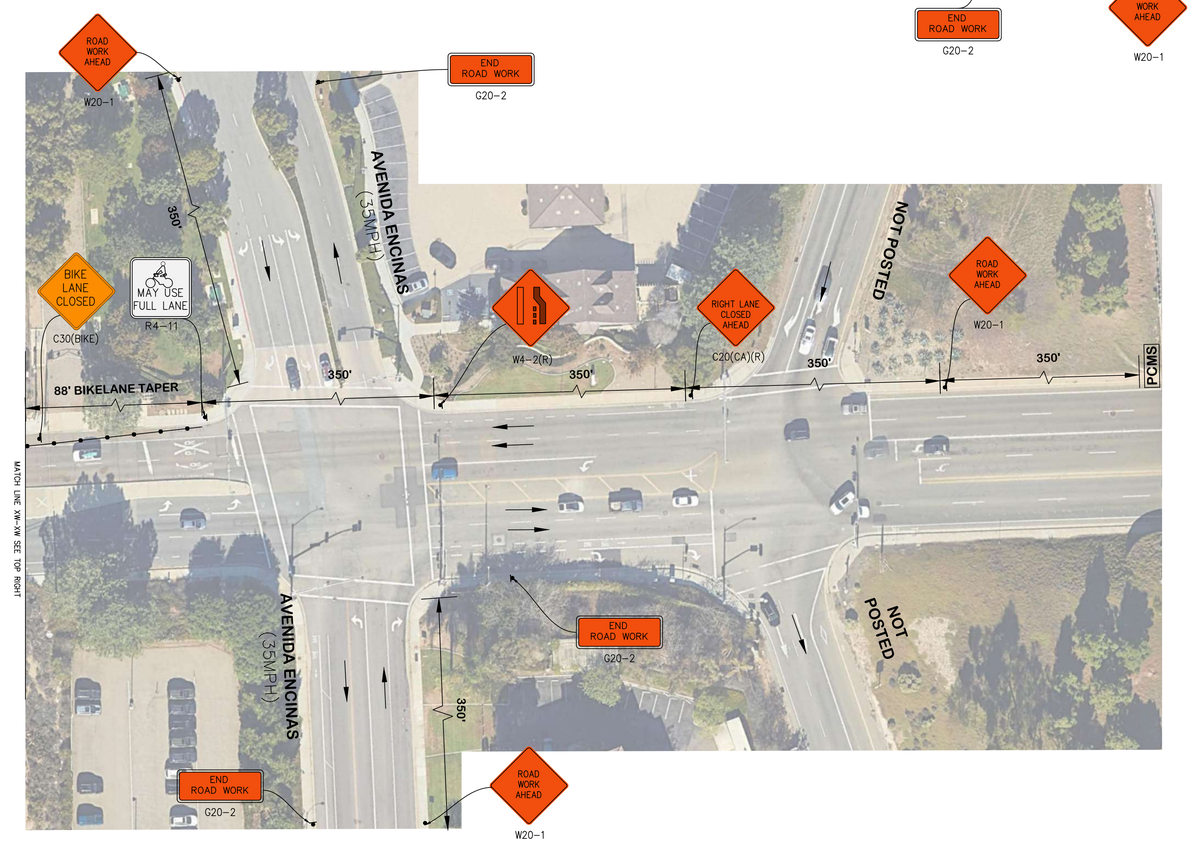
CARLSBAD BLVD & CANON DR
HORIZ. SCALE: 1"= 40' VERT. SCALE:

TC - 45
SHEET 14 OF 15





CITY OF CARLSBAD APPROVED

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FRAME 2	EXPECT DELAY
FRAME 3	

SIGNS TAKE OFF

S.No	SIGN	UNIT	QTY.
1	G20-2	EA	6
2	W20-1	EA	6
3	C30(CA)	EA	5
4	C20(CA)(R)	EA	1
5	W4-2(R)	EA	1
6	R4-8a	EA	5
7	FAB	EA	1
8	W1-7	EA	1
9	R4-11	EA	1

PHASE – 15 SCALE 1" = 40'

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TC-46
SHEET 15 OF 15