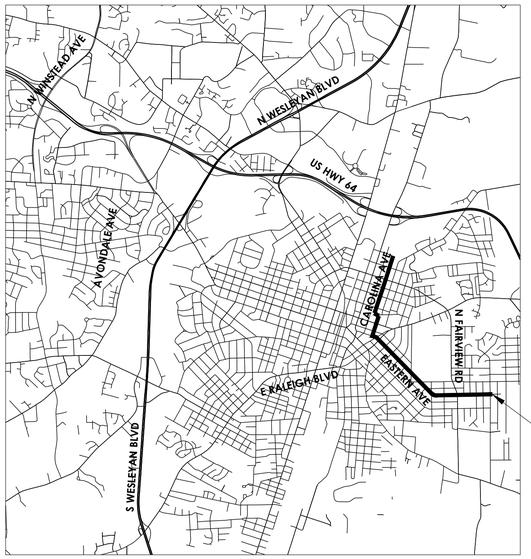
ROCKY MOUNT, NC

EASTERN AVE, MADISON ST, AND CAROLINA AVE BICYCLE BOULEVARDS

AUGUST 2021



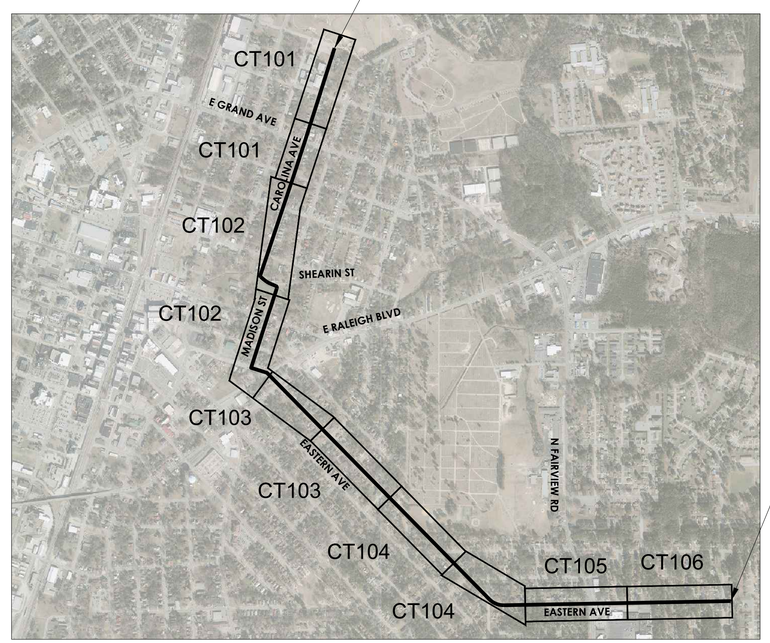
EASTERN/MADISON/CAROLINA PROJECT LOCATION

VICINITY MAP
SCALE: 1" = 4000'

DRAWING INDEX

SHEET		CONTENT
1	GI001	TITLE SHEET
2	GI002	GENERAL NOTES
3	CS101	LAYOUT PLANS
4-9	CT101-CT106	SIGNAGE AND PAVEMENT MARKING PLANS
10-11	CD501-CD502	DETAILS

BEGIN EASTERN/MADISON/CAROLINA PROJECT



END EASTERN/MADISON/CAROLINA PROJECT

EASTERN/MADISON/CAROLINA SITE MAP
SCALE: 1" = 1000'

GENERAL NOTES

THIS PROJECT TO BE CONSTRUCTED UNDER THE
NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION 2018 STANDARD SPECIFICATIONS

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	8.3.2021
SCALE:	VARIES

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN 8/3/2021

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ROCKY MOUNT, NC
EASTERN, MADISON
AND CAROLINA
BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE: TITLE SHEET

ROCKY MOUNT, NC

SHEET NO. GI001

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_G-COV.DWG

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
CAROLINA AVENUE	THERMOPLASTIC	NONE
EASTERN AVENUE	THERMOPLASTIC	NONE
MADISON STREET	THERMOPLASTIC	NONE

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) STOP BAR LOCATION AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

E) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

F) WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL TYPE 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.

G) THE BACKGROUND FOR TYPE 'E' AND 'F' SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.30	SUPPLEMENTAL SIGN MOUNTING
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGERS
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS

PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
T2	WHITE STOPBAR (24", 90 MIL) THERMOPLASTIC
T3	WHITE CROSSWALK LINE (24", 90 MIL) THERMOPLASTIC
T6	WHITE EDGELINE (6", 90 MIL) THERMOPLASTIC
T8	2 FT. - 6 FT. /SP WHITE MINISKIP (4", 90 MIL) THERMOPLASTIC
T11	2 FT. - 6 FT. /SP WHITE MINISKIP (6", 90 MIL) THERMOPLASTIC
TA	WHITE EDGELINE (4", 90 MIL) THERMOPLASTIC
TH	YELLOW SINGLE CENTER (4", 90 MIL) THERMOPLASTIC
TI	YELLOW DOUBLE CENTER (4", 90 MIL) THERMOPLASTIC
TO	WHITE DIAGONAL (8", 90 MIL) THERMOPLASTIC
TQ	WHITE CROSSWALK LINE (8", 90 MIL) THERMOPLASTIC
UJ	BICYCLE SYMBOL, HEATED-IN-PLACE (90 MIL) THERMOPLASTIC
UK	BICYCLE STRAIGHT ARROW, HEATED-IN-PLACE (90 MIL) THERMOPLASTIC
UN	24" YIELD LINE TRIANGLE (90 MIL) THERMOPLASTIC
UR	SHARROW, HEATED-IN-PLACE (90 MIL) THERMOPLASTIC
ZA	GREEN (90 MIL) THERMOPLASTIC

TRAFFIC MAINTENANCE NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL PROJECT ROADWAYS	MONDAY THRU FRIDAY 6:00AM TO 9:00AM AND 4:00PM TO 8:00PM

B) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL PROJECT ROADWAYS	MONDAY THRU FRIDAY 6:00AM TO 9:00AM AND 4:00PM TO 8:00PM	15 MINUTES FOR TRAFFIC OPS AS DIRECTED BY THE ENGINEER

C) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

D) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.

E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

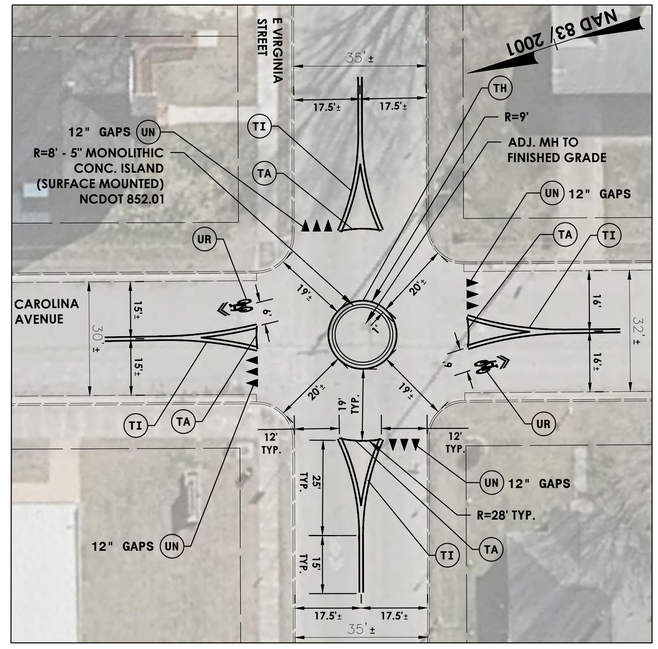
H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

I) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

TRAFFIC CONTROL DEVICES

J) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

K) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.



CAROLINA AVENUE AT E VIRGINIA STREET

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	8.3.2021
SCALE:	1'=20'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN 8/3/2021

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ROCKY MOUNT, NC
EASTERN, MADISON AND CAROLINA BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

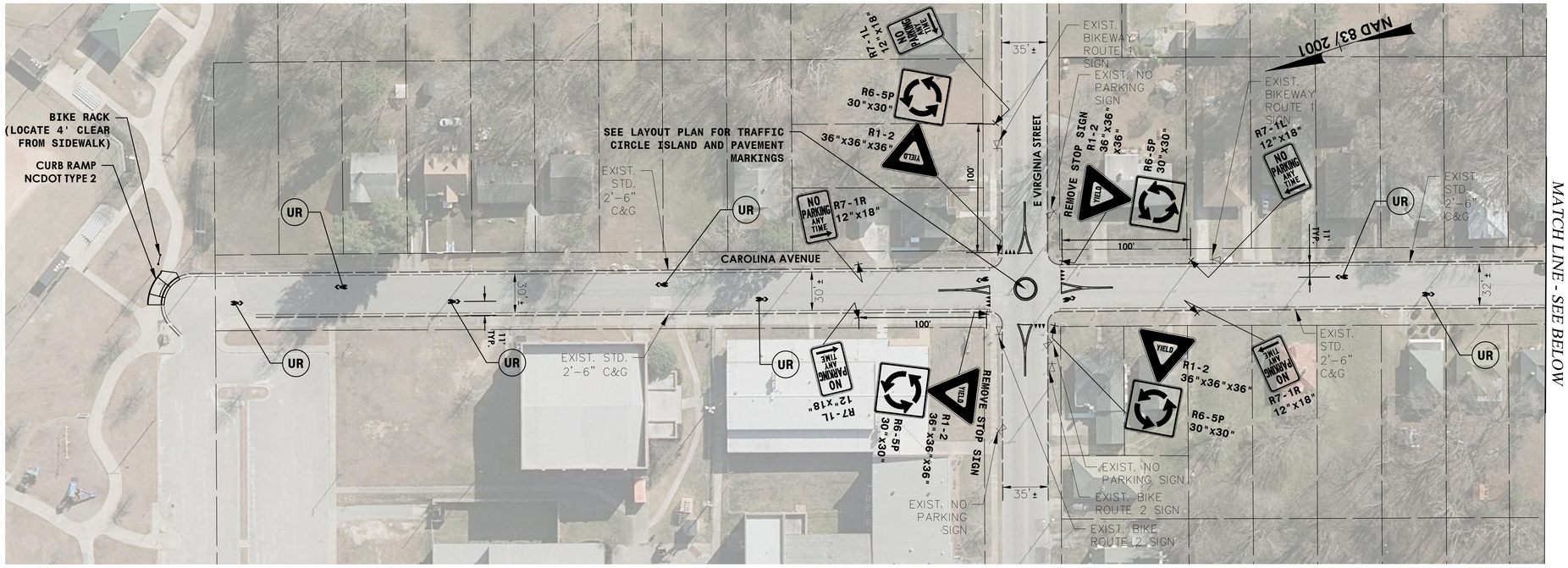
ROCKY MOUNT, NC
AVONDALE AVENUE

LAYOUT PLANS

SHEET NO.

CS101

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_C-PLN_EAST.DWG

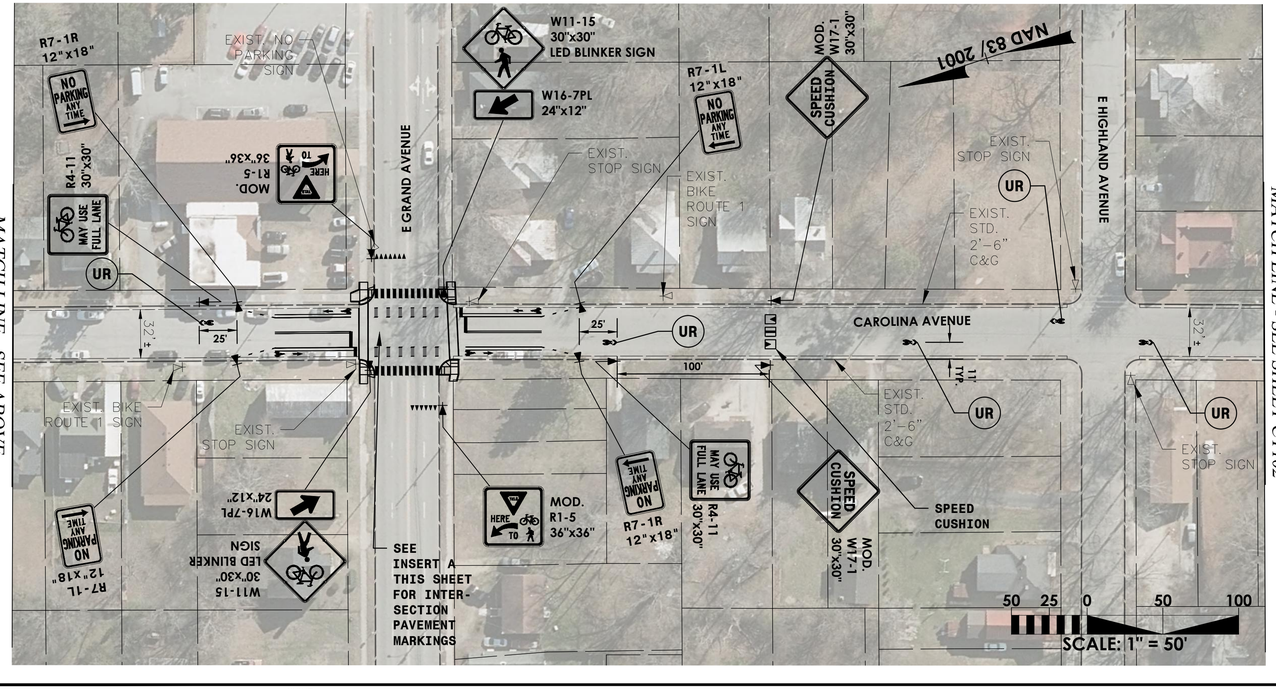


MATCH LINE - SEE BELOW

NOTES:

1. LANE MARKINGS AND ROAD WIDTH DIMENSIONED FROM EDGE OF GUTTER, WHERE PRESENT. WHERE GUTTER IS NOT PRESENT, DIMENSIONS ARE TO FACE OF CURB.
2. SHARED LANE MARKINGS DIMENSIONED FROM FACE OF CURB OR CENTER OF ADJACENT LANE MARKINGS.
3. ALL VEHICULAR STOP BARS ARE TO BE 4FT CLEAR FROM ADJACENT CROSSWALK MARKINGS PER NCDOT1205.07, UNLESS OTHERWISE DIRECTED ON THE PLAN.
4. CROSSWALK MARKINGS SHALL ALIGN WITH THE CENTER OF CURB RAMPS , UNLESS OTHERWISE DIRECTED ON THE PLAN.
5. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.
6. FOR STOP SIGNS NOTED TO BE REMOVED AND REPLACED WITH YIELD SIGNS, EXISTING STREET SIGN PANELS MOUNTED TO THE SAME STOP SIGN POLE SHALL BE PRESERVED AND MOUNTED ON THE NEW YIELD SIGN POLE.

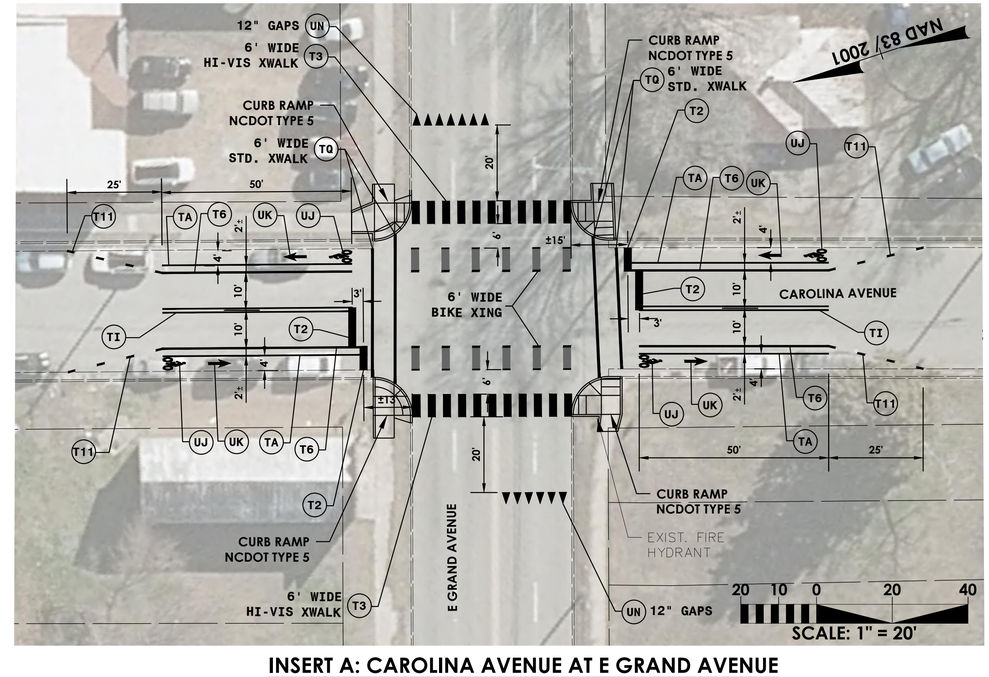
50 25 0 50 100
SCALE: 1" = 50'



MATCH LINE - SEE ABOVE

MATCH LINE - SEE SHEET CT102

50 25 0 50 100
SCALE: 1" = 50'



20 10 0 20 40
SCALE: 1" = 20'

INSERT A: CAROLINA AVENUE AT E GRAND AVENUE

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	2.16.2022
SCALE:	1"=50'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN

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ROCKY MOUNT, NC
EASTERN, MADISON AND CAROLINA BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC
CAROLINA AVENUE

SIGNAGE AND PAVEMENT MARKING PLANS

SHEET NO.

CT101

SHEET 4 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG

NOTES:

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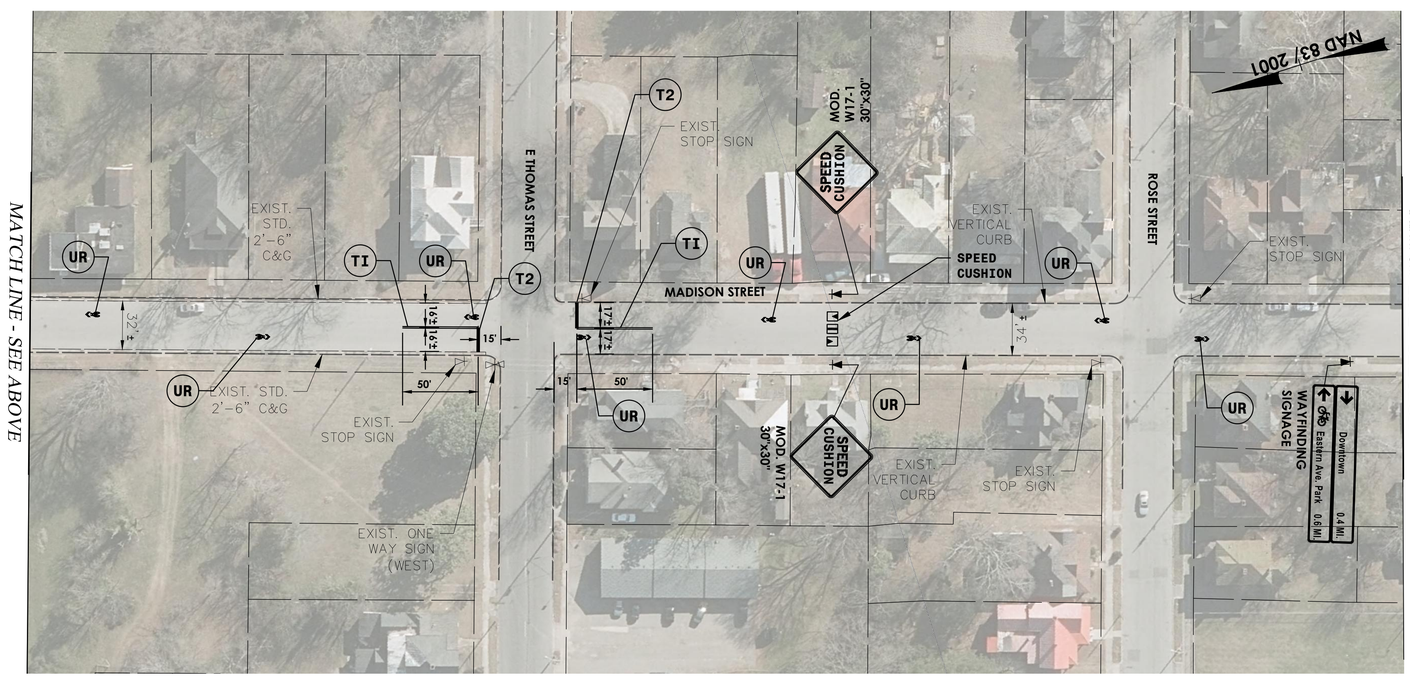

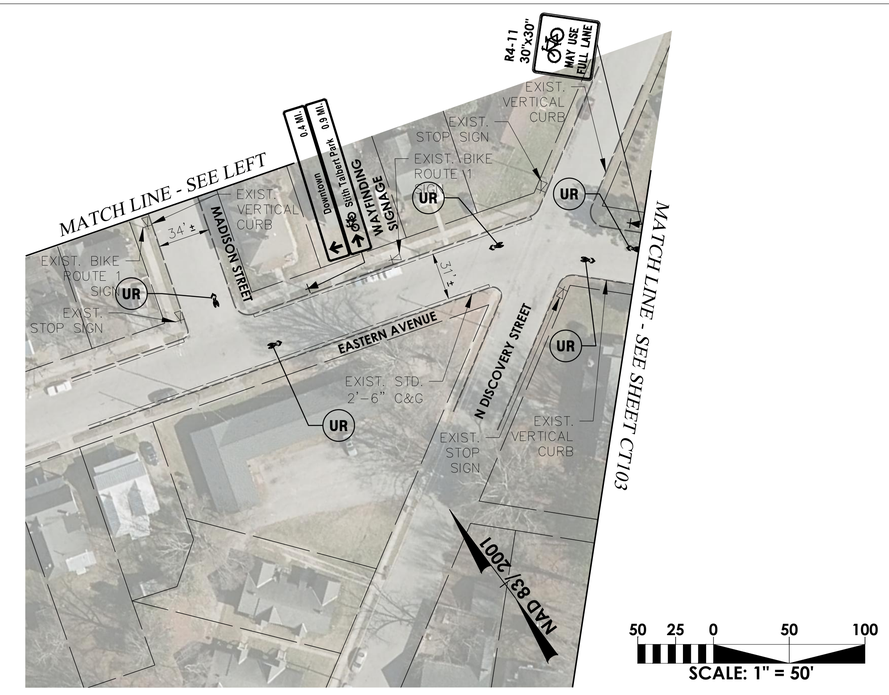

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	2.16.2022
SCALE:	1'=50'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN

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PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC

CAROLINA AVE, MADISON ST, AND EASTERN AVE

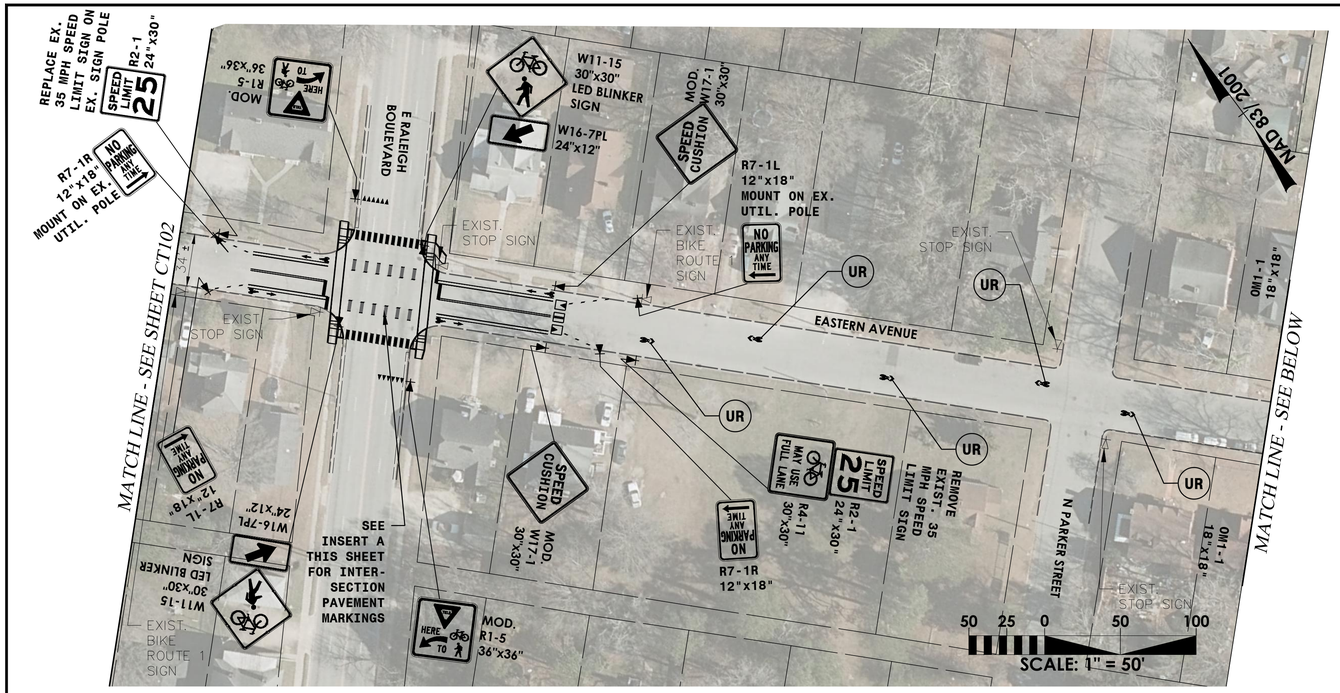
SIGNAGE AND PAVEMENT MARKING PLANS

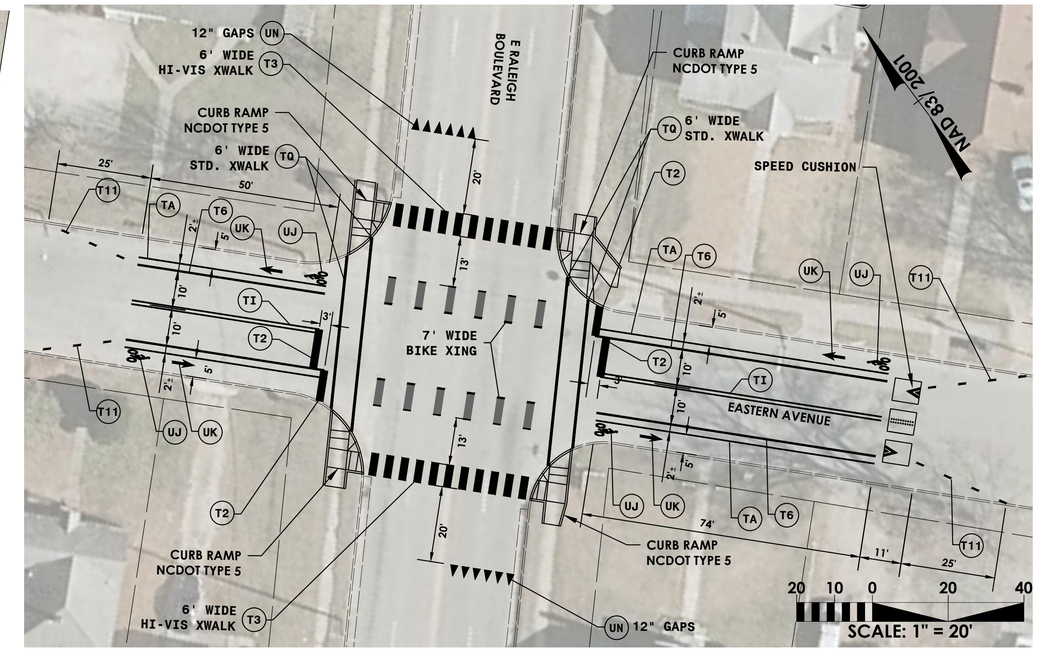
SHEET NO.

CT102

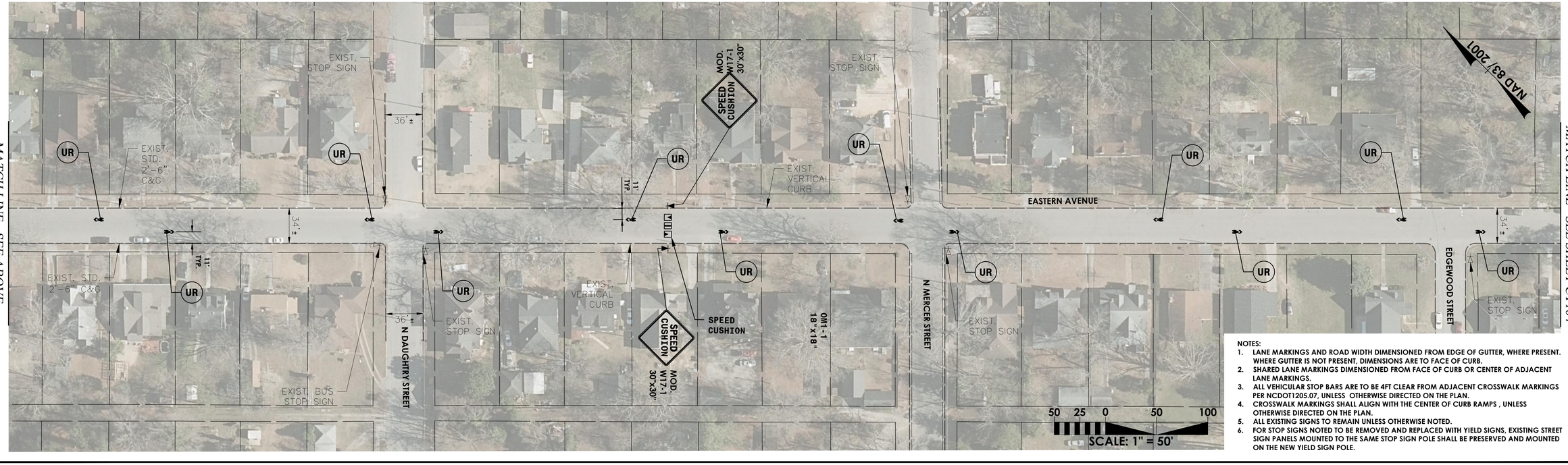
SHEET 5 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG





INSERT A: EASTERN AVE AVENUE AT E RALEIGH BOULEVARD



NOTES:

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PROJECT NO:	2020-256
DESIGNED BY:	CJA
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REVIEWED BY:	MR
DATE:	2.16.2022
SCALE:	1"=50'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

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AND CAROLINA
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PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC
EASTERN AVENUE

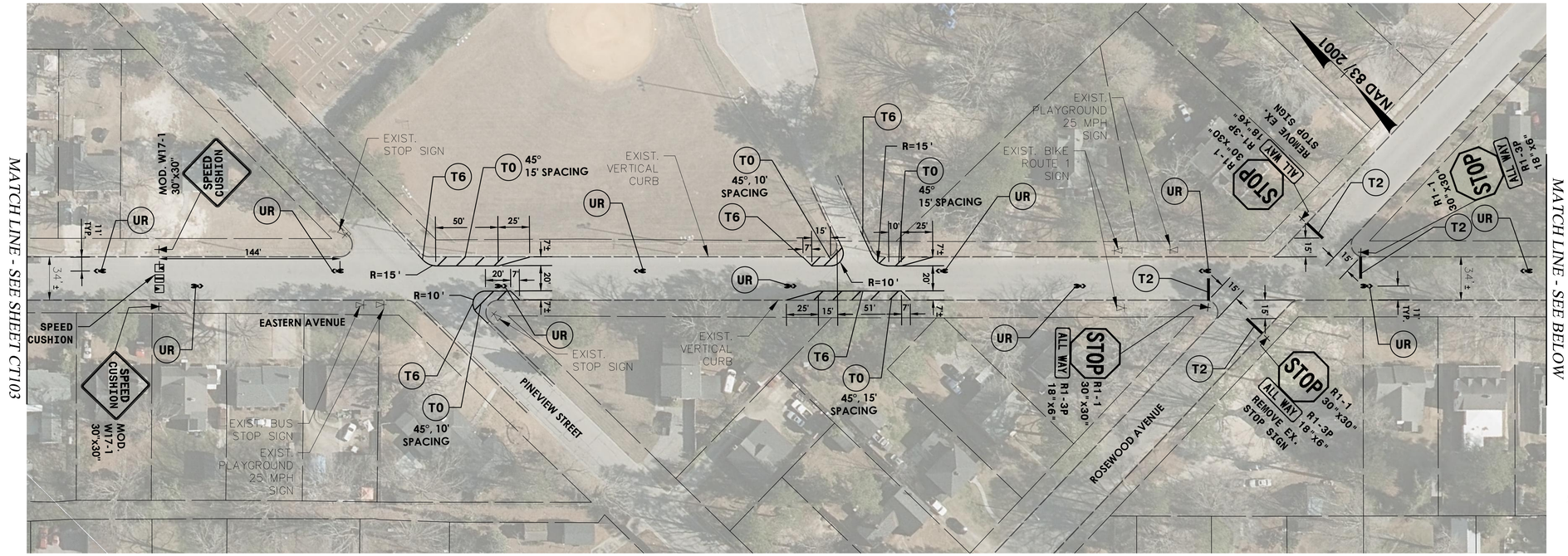
SIGNAGE AND PAVEMENT MARKING PLANS

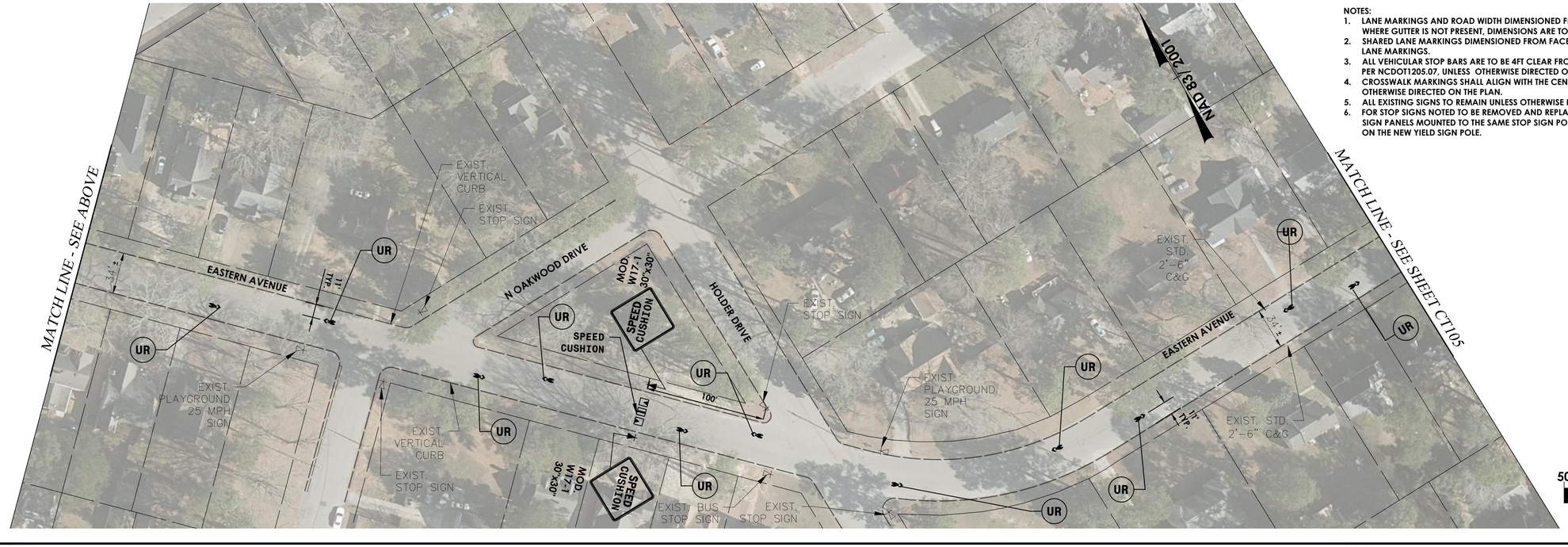
SHEET NO.

CT103

SHEET 6 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG





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331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

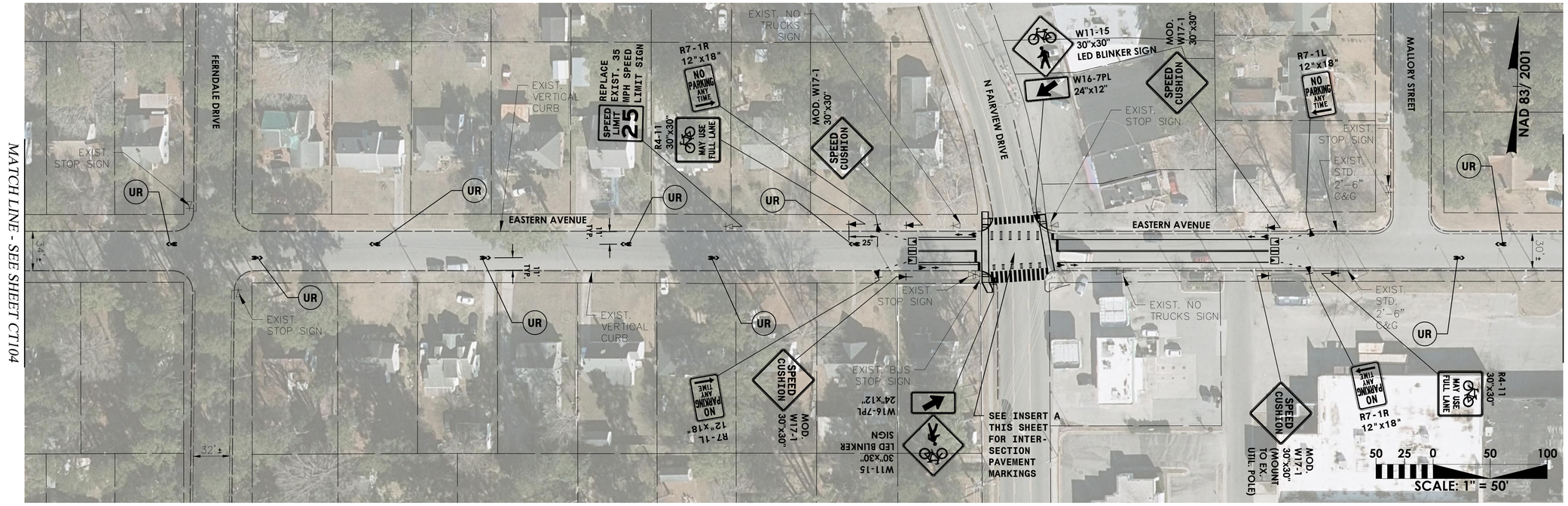
ROCKY MOUNT, NC
EASTERN AVENUE

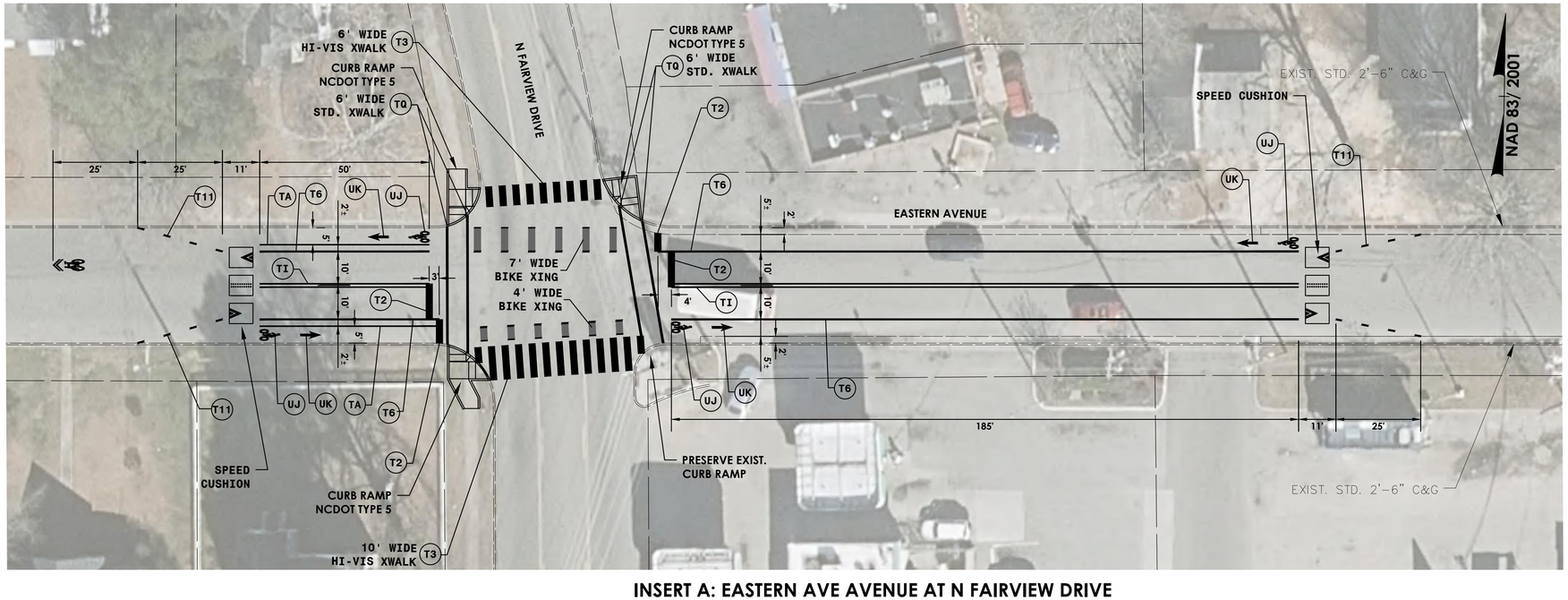
SIGNAGE AND PAVEMENT MARKING PLANS

SHEET NO.

CT104

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG





INSERT A: EASTERN AVE AVENUE AT N FAIRVIEW DRIVE

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4. CROSSWALK MARKINGS SHALL ALIGN WITH THE CENTER OF CURB RAMPS , UNLESS OTHERWISE DIRECTED ON THE PLAN.
5. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.
6. FOR STOP SIGNS NOTED TO BE REMOVED AND REPLACED WITH YIELD SIGNS, EXISTING STREET SIGN PANELS MOUNTED TO THE SAME STOP SIGN POLE SHALL BE PRESERVED AND MOUNTED ON THE NEW YIELD SIGN POLE.

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	2.16.2022
SCALE:	1'=50'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN

alta
Alta Engineering SE, PLLC
111 E Chapel Hill Street, Suite 100 | Durham, NC 27701
919-484-8448 | altago.com | NC License #P-1301

ROCKY MOUNT, NC
EASTERN, MADISON
AND CAROLINA
BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC
EASTERN AVENUE

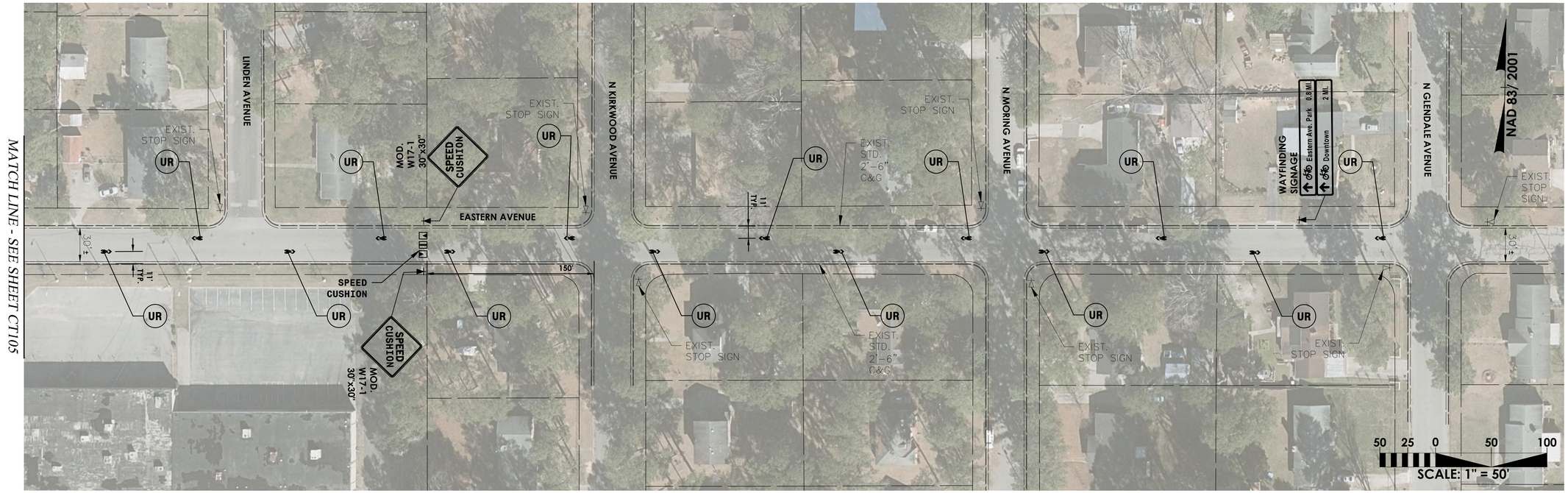
SIGNAGE AND PAVEMENT MARKING PLANS

SHEET NO.

CT105

SHEET 8 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG



NOTES:

1. LANE MARKINGS AND ROAD WIDTH DIMENSIONED FROM EDGE OF GUTTER, WHERE PRESENT. WHERE GUTTER IS NOT PRESENT, DIMENSIONS ARE TO FACE OF CURB.
2. SHARED LANE MARKINGS DIMENSIONED FROM FACE OF CURB OR CENTER OF ADJACENT LANE MARKINGS.
3. ALL VEHICULAR STOP BARS ARE TO BE 4FT CLEAR FROM ADJACENT CROSSWALK MARKINGS PER NCDOT1205.07, UNLESS OTHERWISE DIRECTED ON THE PLAN.
4. CROSSWALK MARKINGS SHALL ALIGN WITH THE CENTER OF CURB RAMPS , UNLESS OTHERWISE DIRECTED ON THE PLAN.
5. ALL EXISTING SIGNS TO REMAIN UNLESS OTHERWISE NOTED.
6. FOR STOP SIGNS NOTED TO BE REMOVED AND REPLACED WITH YIELD SIGNS, EXISTING STREET SIGN PANELS MOUNTED TO THE SAME STOP SIGN POLE SHALL BE PRESERVED AND MOUNTED ON THE NEW YIELD SIGN POLE.

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	8.3.2021
SCALE:	1"=50'

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN 8/3/2021

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EASTERN, MADISON
AND CAROLINA
BICYCLE BOULEVARDS

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PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC
EASTERN AVENUE

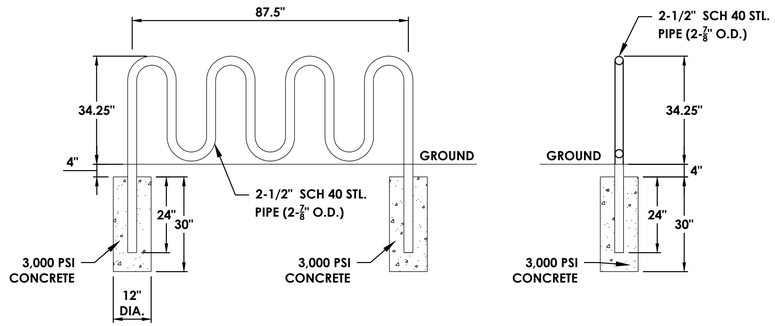
SIGNAGE AND PAVEMENT MARKING PLANS

SHEET NO.

CT106

SHEET 9 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_T-SPM_EAST.DWG



FRONT VIEW
DETAIL

SIDE VIEW
DETAIL

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DUMOR, INC. 125-40/S-1 POWDER COATED BIKE RACK, (OR APPROVED EQUIVALENT). COLOR SHALL BE BLACK.

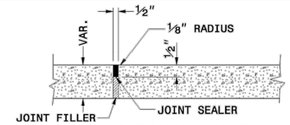
BIKE RACK DETAIL
N.T.S.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

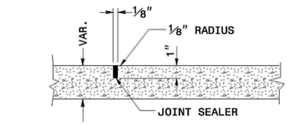
7-06

ENGLISH STANDARD DRAWING FOR
CONCRETE ISLANDS

SHEET 1 OF 1
852.01



SHOWING EXPANSION JOINT



SHOWING GROOVED JOINT

PARTIAL LONGITUDINAL SECTIONS OF PAVED ISLANDS

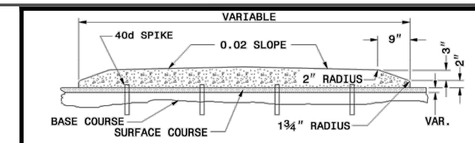
NOTE:

WHEN MONOLITHIC CONCRETE ISLAND IS ON TOP OF SURFACE COURSE, DRIVE 40d SPIKES INTO SURFACE UNDER MONOLITHIC CONCRETE ISLAND. STAGGER SPIKES ON 2' CENTERS EACH WAY.

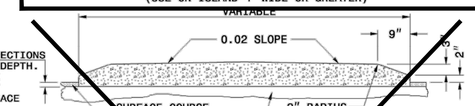
IN THE CONCRETE PAVEMENT (ISLAND) AND CONCRETE ISLAND (MONOLITHIC) PLACE 1/2" EXPANSION JOINTS AT 30' INTERVALS AND GROOVED JOINTS 1" DEEP AT 10' INTERVALS BETWEEN EXPANSION JOINTS.

LINE UP THE JOINTS IN THE CONCRETE PAVEMENT (ISLAND) WITH THE JOINTS IN THE CURB OR CURB AND GUTTER. FILL AND SEAL THE TOP 1/2" OF THE EXPANSION JOINTS AND THE ENTIRE DEPTH OF GROOVED JOINTS WITH JOINT SEALER.

FOR JOINTS IN THE CURB AND/OR CURB AND GUTTER, SEE STANDARD NO. 846.01

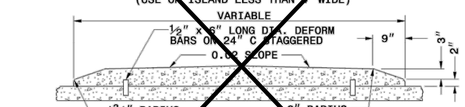


5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED) ON ASPHALT CONCRETE PAVEMENT
(USE ON ISLAND 4' WIDE OR GREATER)

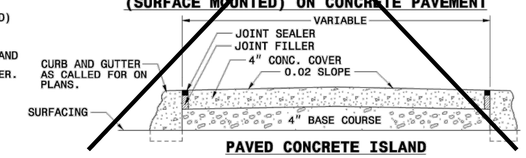


SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH. KEY IN ON THE LAST LAYER OF PAVEMENT SURFACE COURSE

5" MONOLITHIC CONCRETE ISLAND (KEYED IN) ON ASPHALT CONCRETE PAVEMENT
(USE ON ISLAND LESS THAN 4' WIDE)



5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED) ON CONCRETE PAVEMENT



PAVED CONCRETE ISLAND

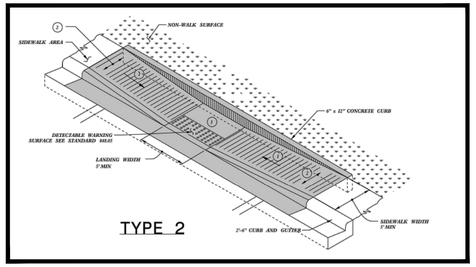
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR
CONCRETE ISLANDS

SHEET 1 OF 1
852.01

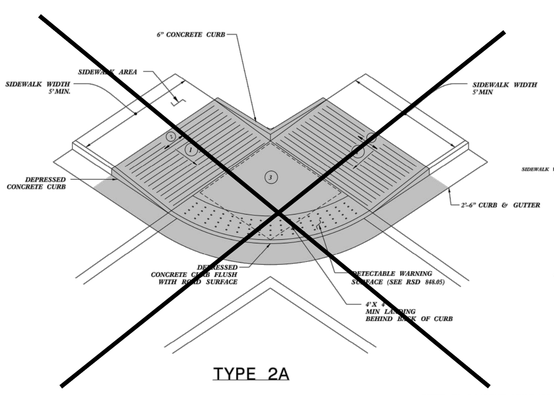
PROJECT REFERENCE NO. | SHEET NO.



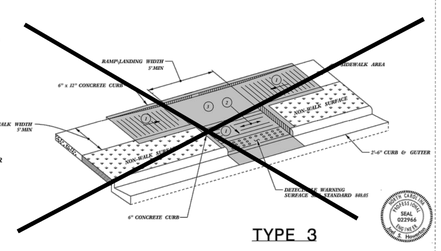
TYPE 2

PAY LIMITS FOR 1 CURB RAMP

1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.00%
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 2A



TYPE 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

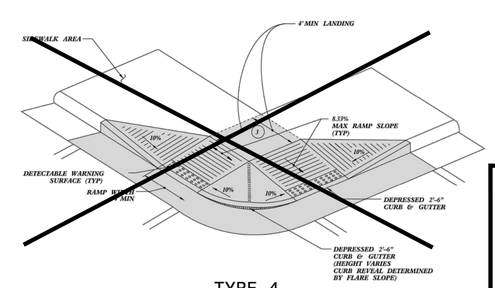
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Parallel Ramps

ORIGINAL BY: J.S. HOMERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: ntds/2012Curb&Ramp/CurbRampDetails.dgn

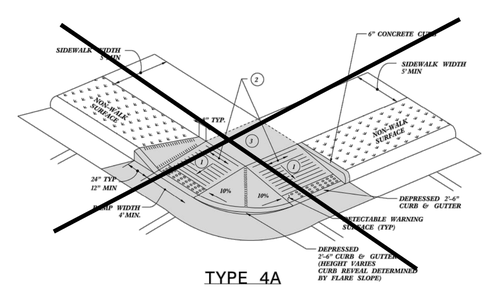
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

PROJECT REFERENCE NO. | SHEET NO.

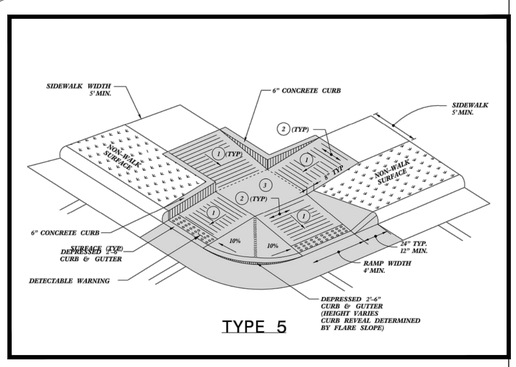


TYPE 4

PAY LIMITS FOR 2 CURB RAMPS



TYPE 4A



TYPE 5

1. 8.33% (12:1) MAX RAMP SLOPE
2. CROSS SLOPE: 2.00%
3. CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Shared Landing

ORIGINAL BY: J.S. HOMERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: ntds/2012Curb&Ramp/CurbRampDetails.dgn

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	8.3.2021
SCALE:	N/A

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN 8/3/2021

alta
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111 E Chapel Hill Street, Suite 100 | Durham, NC 27701
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RM

ROCKY MOUNT, NC
EASTERN, MADISON
AND CAROLINA
BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

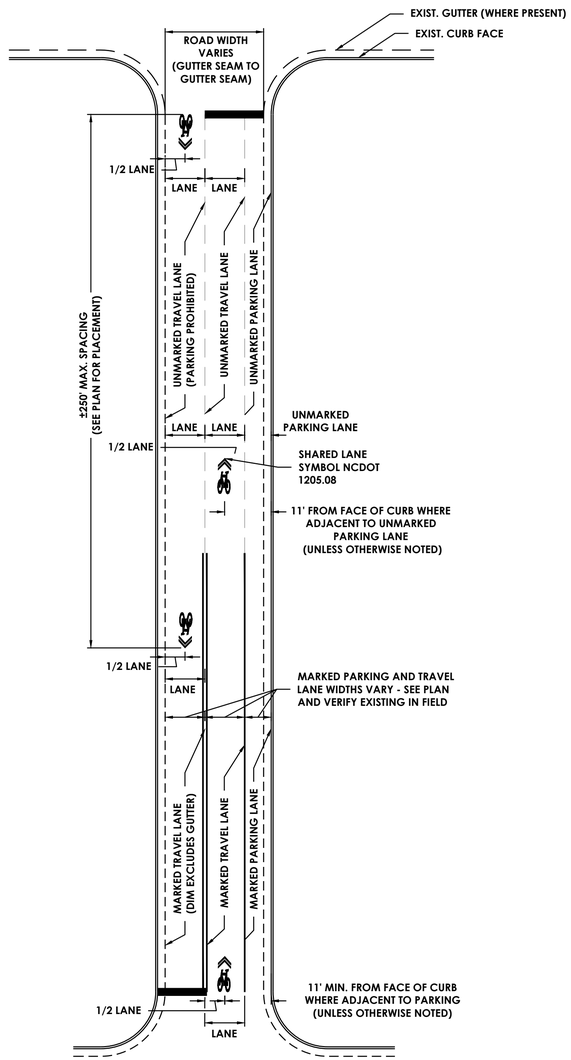
SHEET TITLE
DETAILS

ROCKY MOUNT, NC

SHEET NO.
CD501

SHEET 10 OF 11

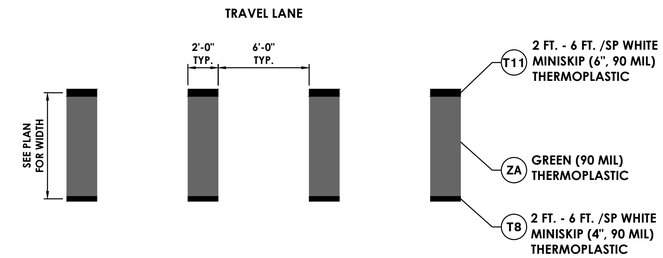
N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_C-DET.DWG



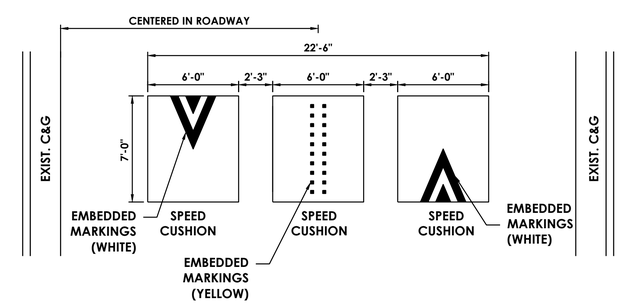
NOTES:

1. MIDDLE OF SHARED LANE MARKINGS SHALL TYPICALLY BE 11' FROM THE CURB FACE WHERE ADJACENT TO UNMARKED STREET PARKING.
2. WHERE TRAVEL LANES AND PARKING LANES (IF PRESENT) ARE STRIPED, CENTER THE SHARED LANE MARKING WITHIN THE TRAVEL LANE.
3. SEE PLAN FOR PLACEMENT OF SHARED LANE MARKINGS. CONTRACTOR MAY SHIFT THE LOCATION OF THE SHARED LANE MARKINGS TO AVOID PLACEMENT IN FRONT OF DRIVEWAY ENTRANCES OR OTHER OBSTACLES.

TYPICAL SHARED LANE MARKINGS PLACEMENT
N.T.S.



BIKE CROSSING MARKING DETAIL
N.T.S.



PLAN

NOTES:

1. USE TRAFFICLOGIX RUBBER SPEED CUSHIONS OR APPROVED EQUIVALENT.
2. USE PRODUCT WITH EMBEDDED MARKINGS AS SHOWN, OR AS APPROVED BY THE CITY.
3. INSTALL SPEED CUSHIONS PER MANUFACTURER'S SPECIFICATIONS.

SPEED CUSHION DETAIL
N.T.S.

PROJECT NO:	2020-256
DESIGNED BY:	CJA
DRAWN BY:	DJ
REVIEWED BY:	MR
DATE:	8.3.2021
SCALE:	N/A

ISSUE

MARK	DESCRIPTION	DATE	INTIAL

NORTH CAROLINA PROFESSIONAL SEAL 046674 ENGINEER CHRISTOPHER J. ALLEN 8/3/2021

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EASTERN, MADISON
AND CAROLINA
BICYCLE BOULEVARDS

331 S. FRANKLIN ST.
PO BOX 1180
ROCKY MOUNT, NC 27802

SHEET TITLE

ROCKY MOUNT, NC

DETAILS

SHEET NO.

CD502

SHEET 11 OF 11

N:\SHARED\PROJECTS\2020\00-2020-256 ROCKY MOUNT, NC BICYCLE BOULEVARD DESIGN\CAD\01_PLANS\2020-256_C-DET.DWG