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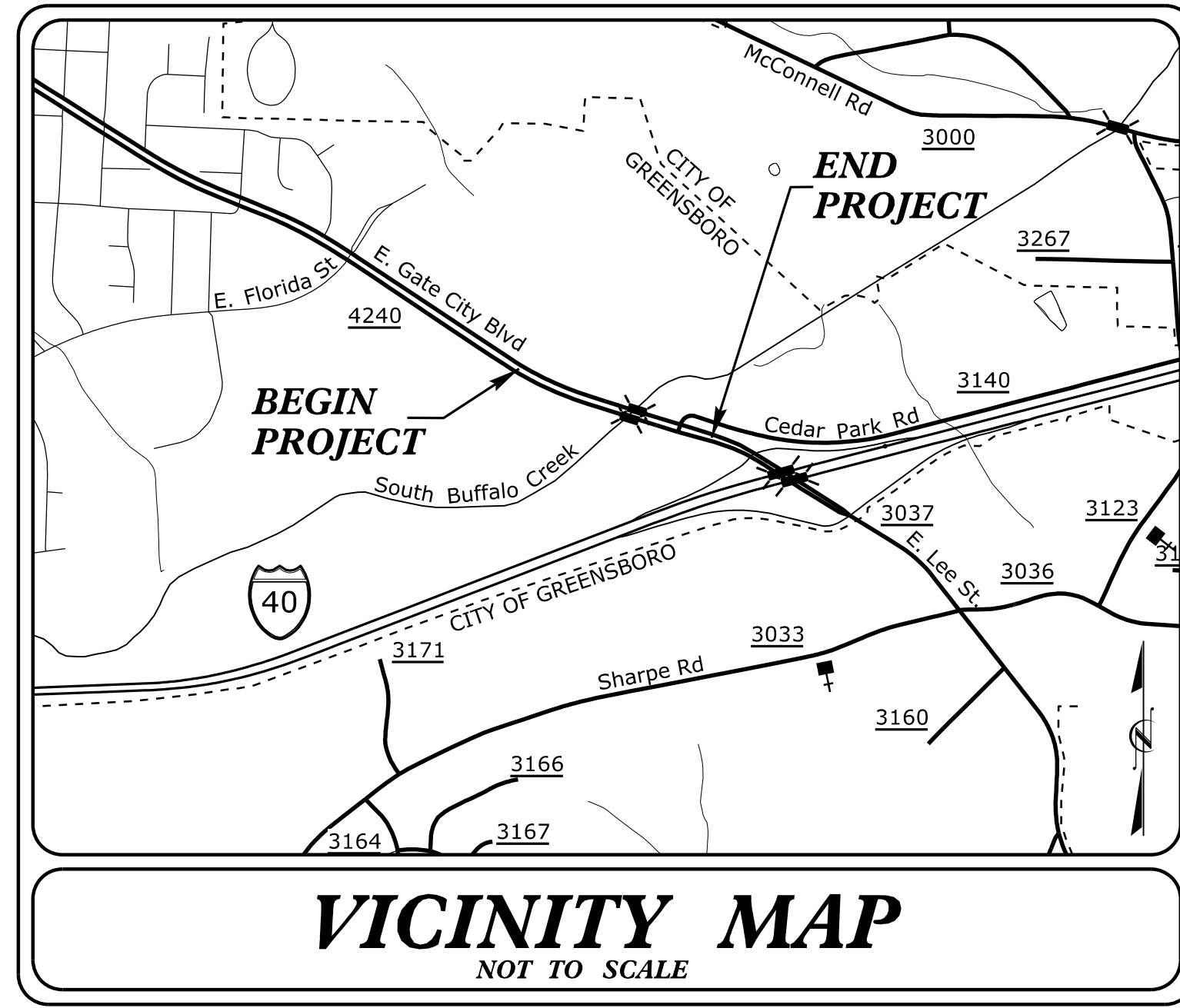
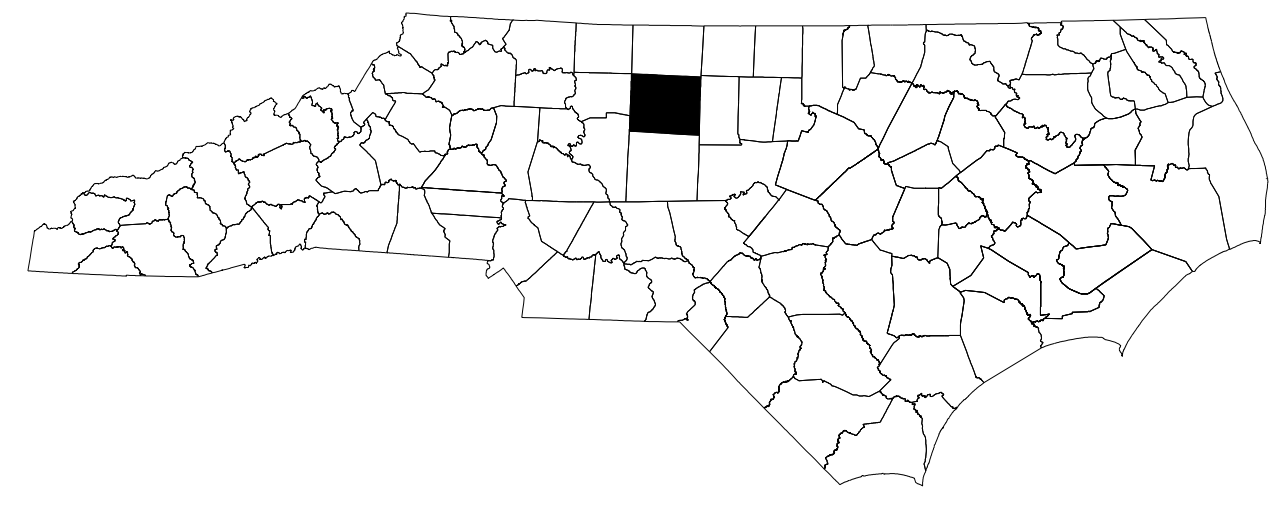
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

GUILFORD COUNTY



LOCATION: BRIDGES 109 AND 121 ON SR 4240 (E. GATE CITY BLVD) OVER SOUTH BUFFALO CREEK

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES

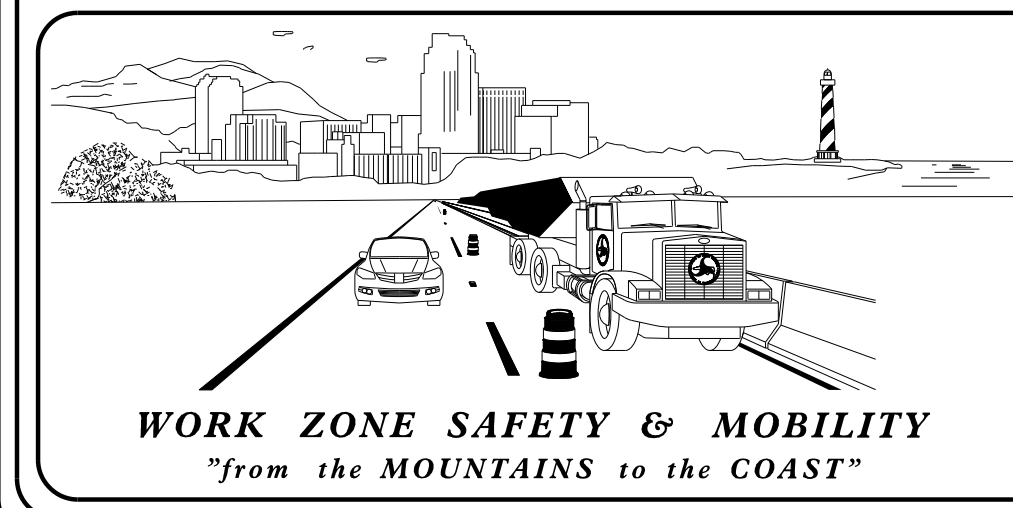
INDEX OF SHEETS

<u>SHEET NO.</u>	<u>TITLE</u>
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TMP-2	GENERAL NOTES
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TMP-5 THRU TMP-7	TRAFFIC CONTROL PHASE I DETAILS
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SHEET NO.
TMP-1

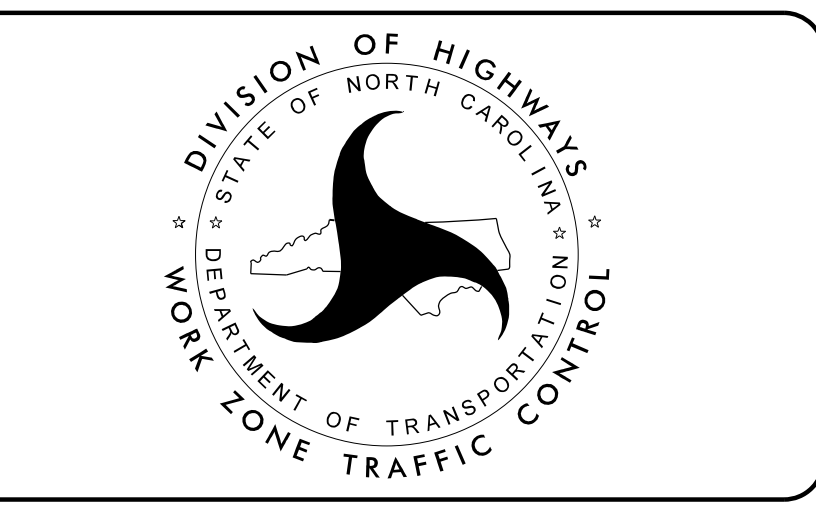
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TIP PROJECT:



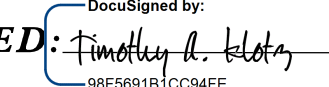
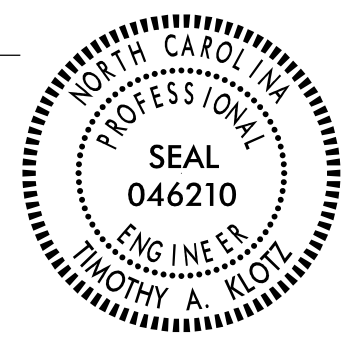
PLANS PREPARED BY:
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APPROVED: 
DATE: 4/25/2022
SEAL


ROADWAY STANDARD DRAWINGS

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

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
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	DRUM
1145.01	BARRICADES
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.12	PAVEMENT MARKINGS - BRIDGES
1266.01	RAISED PAVEMENT MARKERS - TUBULAR MARKERS

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

- FULL DEPTH CONSTRUCTION
- TEMPORARY PAVEMENT
- PAVEMENT / BRIDGE REMOVAL

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

- CRYSTAL / CRYSTAL
- CRYSTAL / RED
- YELLOW / YELLOW

PAVEMENT MARKING SYMBOLS

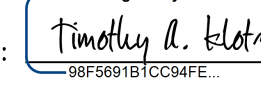


- PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING

- PAINT
- P1 WHITE EDGELINE (4")
- P5 2 FT.-6 FT./SP WHITE MINISKIP (4")
- P10 YELLOW EDGELINE (4")
- P14 2 FT.-6 FT./SP YELLOW MINISKIP (4")
- P61 WHITE STOPBAR (24")

- COLD APPLIED PLASTIC (TYPE IV)
- C1 WHITE EDGELINE (4")
- C10 YELLOW EDGELINE (4")

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APPROVED:  DATE: 4/25/2022 SEAL 		<h2>STANDARD DRAWINGS AND LEGEND</h2>
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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
SR 4240 E. GATE CITY BLVD	MONDAY-FRIDAY 6:00 AM-9:00 AM & 3:00 PM-6:00 PM
SR 3140 CEDAR PARK DR	MONDAY-FRIDAY 6:00 AM-9:00 AM & 3:00 PM-6:00 PM
ALL OTHERS	MONDAY-FRIDAY 6:00 AM-9:00 AM & 3:00 PM-6:00 PM

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS INCLUDING NORTH CAROLINA A&T UNIVERSITY HOMECOMING AND FOOTBALL GAMES AS FOLLOWS:

ROAD NAME

SR 4240 E. GATE CITY BLVD
SR 3140 CEDAR PARK DR
ALL OTHERS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
 - FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
 - FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
 - FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
 - FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
- IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
 - FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
 - FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
SR 4240 E. GATE CITY BLVD	MONDAY-FRIDAY 6:00 AM-9:00 AM & 4:00 PM-6:00 PM
SR 3140 CEDAR PARK DR	MONDAY-FRIDAY 6:00 AM-9:00 AM & 4:00 PM-6:00 PM

D) 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

E) 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.

F) 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.

G) 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.

H) 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.

I) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

J) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

K) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

L) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

N) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

O) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

P) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

Q) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

R) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE / RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

S) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

T) 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.

U) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

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

PAVEMENT MARKINGS AND MARKERS

W) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED
SR 4240 E. GATE CITY BLVD	COLD APPLIED PLASTIC (TYPE IV)	TEMPORARY RAISED
(BRIDGE; PHASE II ONLY)		

X) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

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

Z) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

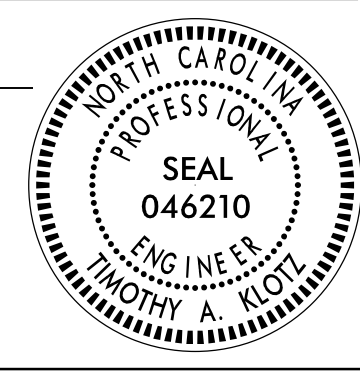

AA) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO PLACE TO DELINEATE ANY MONOLITHIC ISLANDS BEFORE INSTALLATION

MISCELLANEOUS

BB) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

CC) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 AND 400 RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

DD) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

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 Tim.Klotz

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SIGN DETAIL
1:20

SIGN NUMBER	name
WIDTH x HIGHT	7'-6" x 1'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: construction_guide.ssi
Dimensions are inches, tenths
Letter spacings are to start of next letter

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE								
	E		G	A	T	E		C	I	T	Y		B	L	V	D							D 2000	
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SIGN DETAIL
1:20

SIGN NUMBER	name
WIDTH x HIGHT	6'-6" x 1'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: construction_guide.ssi
Dimensions are inches, tenths
Letter spacings are to start of next letter

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE								
	C	E	D	A	R		P	A	R	K		R	D										D 2000	
6	5.4	4.7	4.9	6	4.1	6	4.4	6	5.1	4.2	6	5.1	4.1	6									66	6

APPROVED: <u>Timothy A. Blotz</u> DATE: 4/25/2022 SEAL 		SIGN DESIGNS
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PHASE I

STEP 1) PRIOR TO ANY CONSTRUCTION ACTIVITY, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS INVOLVED (E. GATE CITY BLVD (SR 4240), CEDAR PARK DR (SR 3140), AND THE RAMP FROM I-40WB) ACCORDING TO THE ROADWAY STANDARD DRAWING 1101.01.

STEP 2) USING RSD 1101.02 (SHT 3 OF 14) FOR TEMPORARY LANE CLOSURES ON E. GATE CITY BLVD (SR 4240), CONSTRUCT TEMPORARY MEDIAN CROSSOVERS ACCORDING TO THE FOLLOWING STATIONS (SEE ROADWAY PLANS 2B-1 THRU 2B-2 AND TMP-5 THRU TMP-7):

- LDET-1- STA. 12+05 +/- TO STA. 17+28 +/-
- LDET-1- STA. 24+70 +/- TO STA. 29+20 +/-

STEP 3) USING RSD 1101.03 (SHEET 4 OF 9) FOR TEMPORARY ROAD CLOSURES ON E. GATE CITY BLVD (SR 4240), CEDAR PARK DR (SR 3140), AND THE RAMP FROM I-40WB. INSTALL ADVANCE WARNING SIGNS, REMOVE EXISTING PAVEMENT MARKINGS, AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT), MARKERS (TEMPORARY RAISED), TUBULAR MARKERS, AND TEMPORARY GUARDRAIL IN TEMPORARY TRAFFIC PATTERN (SEE TMP-5 THRU TMP-7):

AND SHIFT TRAFFIC INTO NEW PATTERN.

STEP 4) CONSTRUCT THE NORTH SIDE OF THE PROJECT UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-5 THRU TMP-7):

- L- STA. 15+50 +/- LT TO STA. 25+96 +/- LT

PHASE II

STEP 1) SHIFT WESTBOUND TRAFFIC ON E. GATE CITY BLVD (SR 4240) TO RIGHT LANE OF NEW WESTBOUND ROADWAY CONSTRUCTED IN PHASE I STEP 4.

STEP 2) USING RSD 1101.02 (SHT 3 OF 14) FOR TEMPORARY LANE CLOSURES ON E. GATE CITY BLVD (SR 4240), REMOVE PHASE I TEMPORARY MEDIAN CROSSOVERS, TEMPORARY PAVEMENT MARKINGS, TEMPORARY MARKERS, TUBULAR MARKERS, AND TEMPORARY GUARDRAIL. CONSTRUCT NEW TEMPORARY MEDIAN CROSSOVERS ACCORDING TO THE FOLLOWING STATIONS (SEE ROADWAY PLANS 2B-3 THRU 2B-4 AND TMP-9 THRU TMP-11):

- LDET-2- STA. 12+43 +/- TO STA. 15+55 +/-
- LDET-2- STA. 25+99 +/- TO STA. 28+03 +/-

STEP 3) USING RSD 1101.03 (SHEET 4 OF 9) FOR TEMPORARY ROAD CLOSURES ON E. GATE CITY BLVD (SR 4240), CEDAR PARK DR (SR 3140), AND THE RAMP FROM I-40WB. INSTALL ADVANCE WARNING SIGNS, REMOVE EXISTING PAVEMENT MARKINGS, AND PLACE TEMPORARY PAVEMENT MARKINGS (PAINT, COLD-APPLIED PLASTIC TYPE IV ON BRIDGE), MARKERS (TEMPORARY RAISED), AND TUBULAR MARKERS IN TEMPORARY TRAFFIC PATTERN (SEE TMP-9 THRU TMP-11):

AND SHIFT TRAFFIC INTO NEW PATTERN.

STEP 4) CONSTRUCT THE SOUTH SIDE OF THE PROJECT UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-9 THRU TMP-11):

- L- STA. 15+50 +/- RT TO STA. 27+11 +/- RT

PHASE III

STEP 1) SHIFT EASTBOUND TRAFFIC ON E. GATE CITY BLVD (SR 4240) TO BOTH EASTBOUND LANES OF NEW ROADWAY CONSTRUCTED IN PHASE II.

STEP 2) RELAP WESTBOUND MEDIAN SIDE GUARDAIL ON E. GATE CITY BLVD (SR 4240) ACCORDING TO THE FOLLOWING STATIONS (SEE ROADWAY PLANS 2B-3 THRU 2B-4):

- L- STA. 19+22 +/- TO 20+22 +/-
- L- STA. 22+37 +/- TO 23+37 +/-

STEP 3) USING RSD 1101.02 (SHT 3 OF 14) FOR TEMPORARY LANE CLOSURES ON E. GATE CITY BLVD (SR 4240), REMOVE PHASE II TEMPORARY MEDIAN CROSSOVERS, TEMPORARY PAVEMENT MARKINGS, TEMPORARY MARKERS, AND TUBULAR MARKERS.

AND SHIFT WESTBOUND TRAFFIC ON E. GATE CITY BLVD (SR 4240) TO BOTH WESTBOUND LANES OF NEW ROADWAY CONSTRUCTED IN PHASE II

STEP 4) USING RSD 1101.02 (SHEET 3 OF 14) FOR TEMPORARY ROAD CLOSURES ON E. GATE CITY BLVD (SR 4240) AND CEDAR PARK DR (SR 3140), INSTALL ADVANCE WARNING SIGNS. CONSTRUCT THE NORTH AND SOUTH SIDES OF THE PROJECT UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE ACCORDING TO THE FOLLOWING STATIONS (SEE TMP-13 THRU TMP-14):

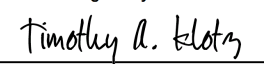


- L- STA. 11+00 +/- TO STA. 15+50 +/- RT
- L- STA. 12+25 +/- TO STA. 15+50 +/- LT
- L- STA. 25+95 +/- TO 28+10 +/- RT & LT
- Y1- STA. 10+51 +/- TO 13+00 +/-

STEP 5) USING RSD 1101.02 (SHEETS 1 AND 3 OF 14) AND FLAGGERS AS NEEDED FOR TEMPORARY LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE ON E. GATE CITY BLVD (SR 4240) AND CEDAR PARK DR (SR 3140) AND USING RSD 1205.01 THRU 1205.05, 1205.07, 1205.08, 1205.12, 1250.01, AND 1251.01, PLACE PERMANENT PAVEMENT MARKING (THERMOPLASTIC OR COLD APPLIED PLASTIC) IN FINAL PATTERN ACCORDING TO THE PAVEMENT MARKING PLANS FOR -L- AND -Y-LINES ACCORDING TO THE FOLLOWING STATIONS:

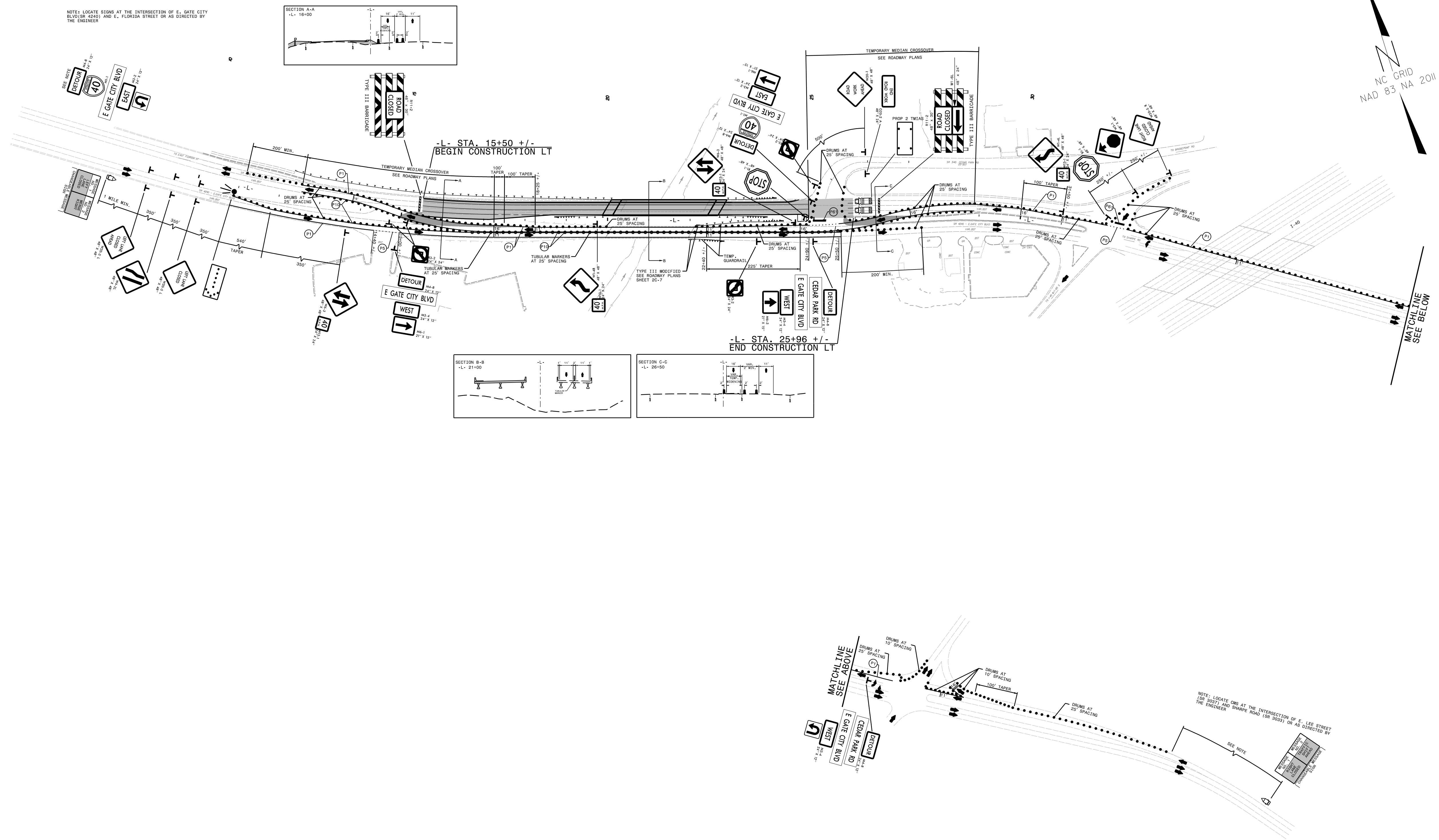
- L- STA. 11+00 +/- TO 28+10 +/-
- Y1- STA. 10+51 +/- TO 13+00 +/-

AND OPEN PROJECT FULLY TO TRAFFIC.

3/29/2022 10:58:11 AM pw.bentley.com:AECom_DS2.LNA_2020\Documents\60592827-NC001_SMU_B-5717\900-CAD_GIS\910_CAD\70_NCD01_TIP\Traffic\TrafficControl\TCP\B5717_TC_TMP_PSH_03_Phasing.dgn Tim.Klotz

<p>APPROVED: </p> <p>DATE: 4/25/2022</p> <p style="text-align: center;">SEAL</p> <div style="text-align: center;">  </div> <p style="text-align: center; font-weight: bold; font-size: small;">DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="font-size: 24pt; font-weight: bold;">PHASING NOTES</p>
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4/14/2022
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Tim.Klotz



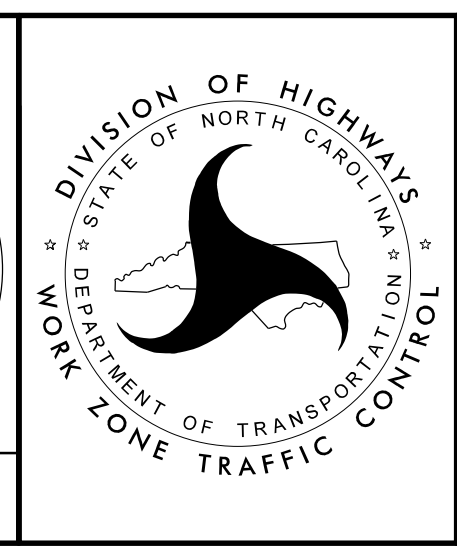
WORK ZONE

APPROVED: *Timothy A. Klotz*
DATE: 4/25/2022

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
046210
TIMOTHY A. KLOTZ

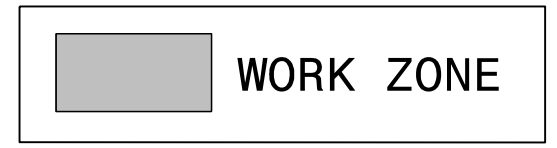
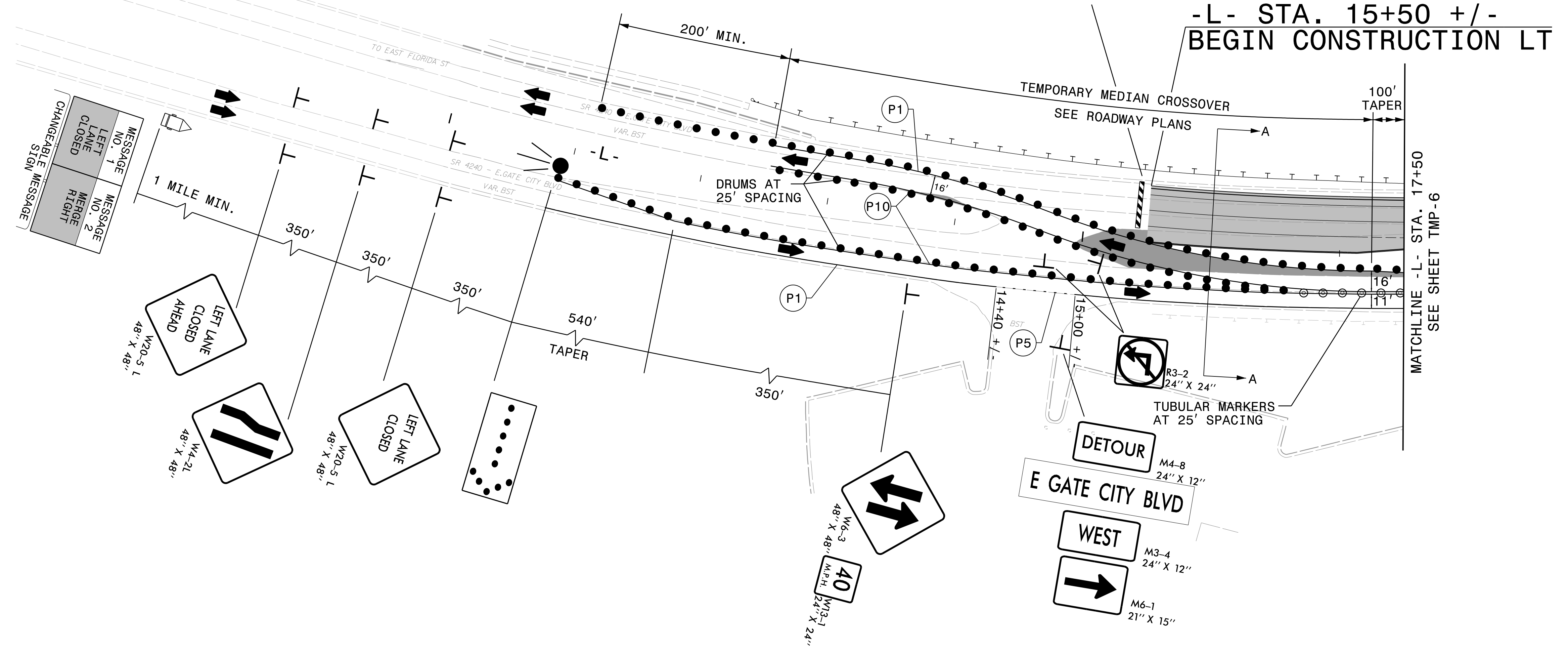
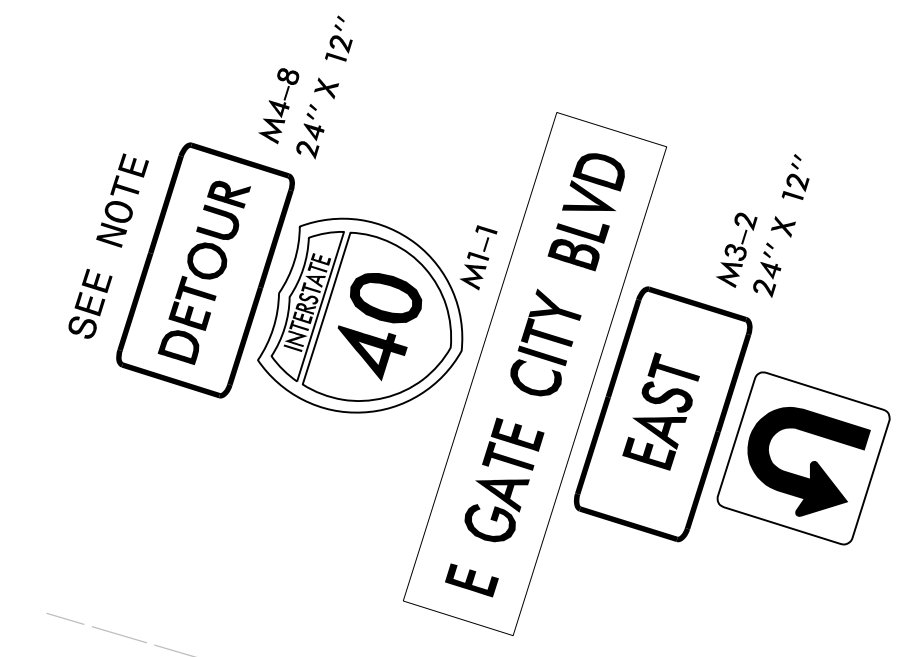
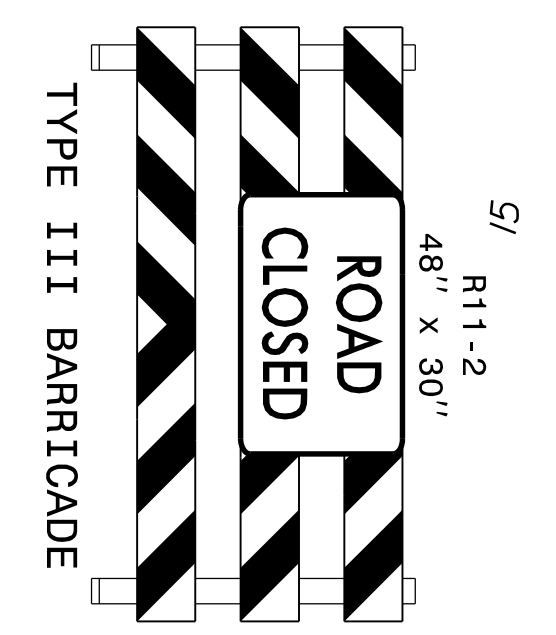
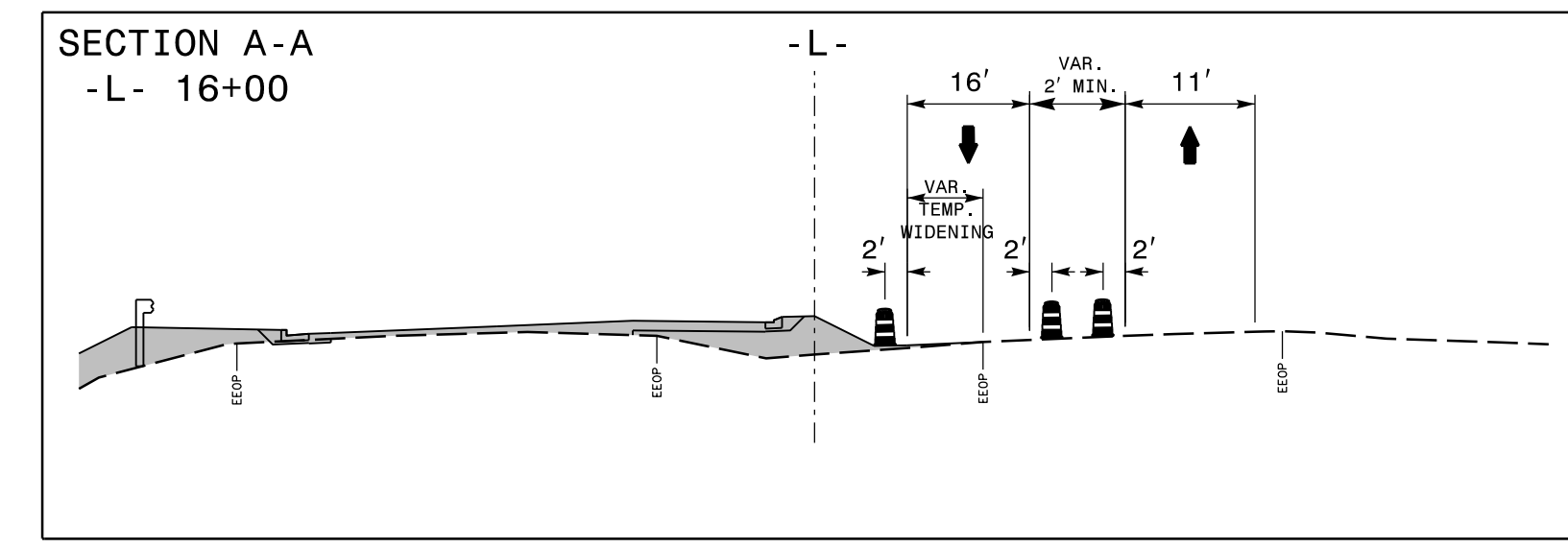
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASE I OVERVIEW



NOTE: LOCATE SIGNS AT THE INTERSECTION OF E. GATE CITY BLVD(SR 4240) AND E. FLORIDA STREET OR AS DIRECTED BY THE ENGINEER

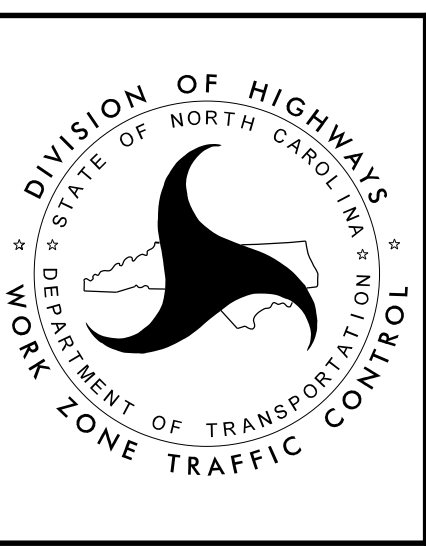


APPROVED: *Timothy D. Kelly*
 DATE: 4/25/2022

SEAL

PROFESSIONAL SEAL
 046210
 ENGINEER
 TRAFFIC CONTROL

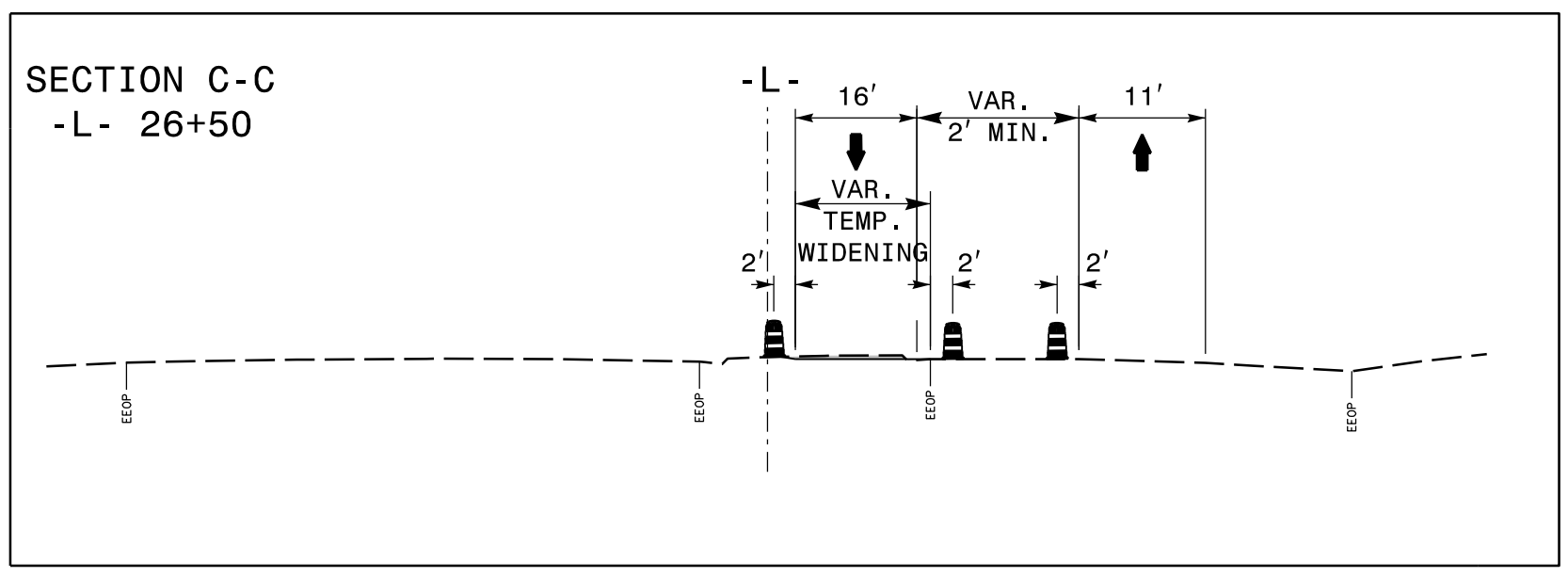
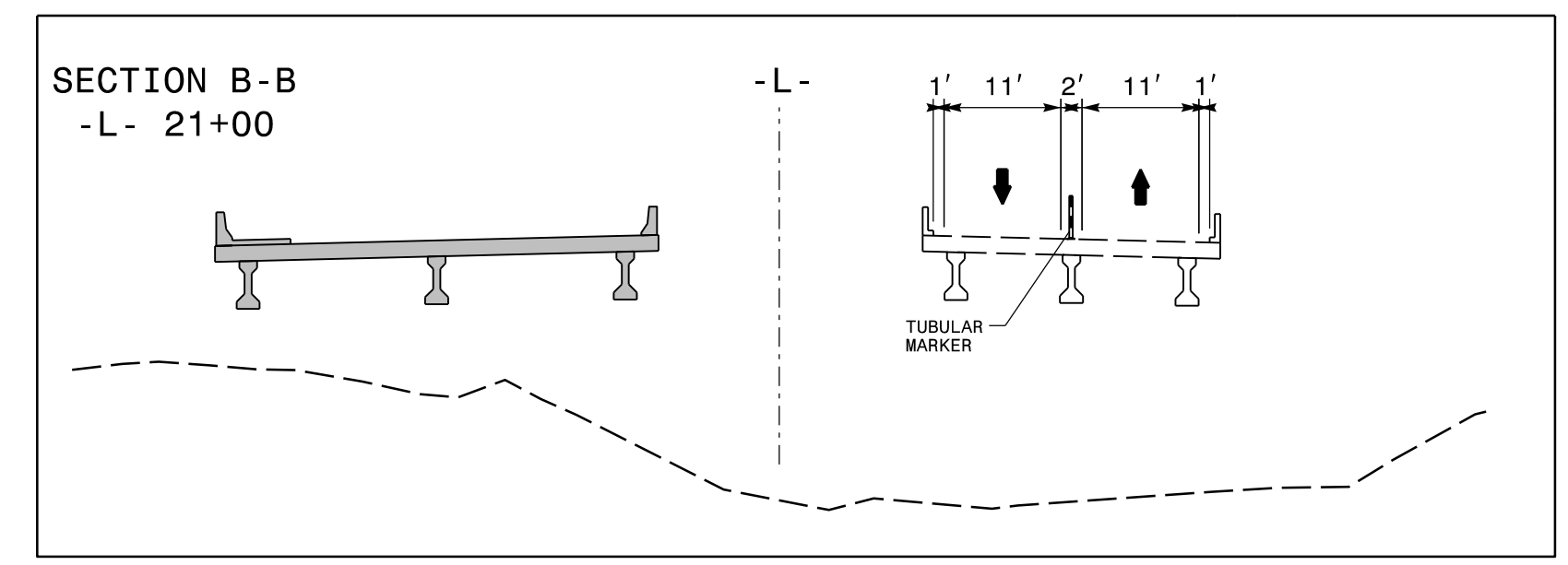
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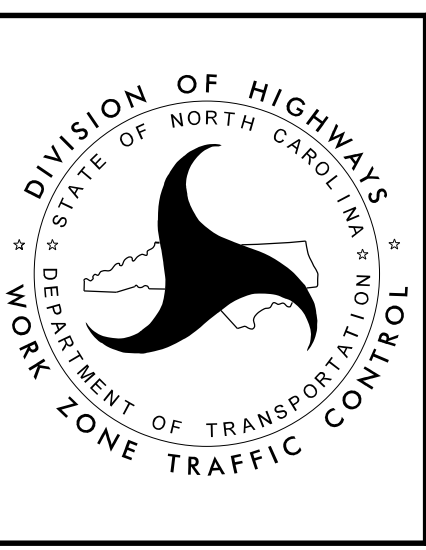
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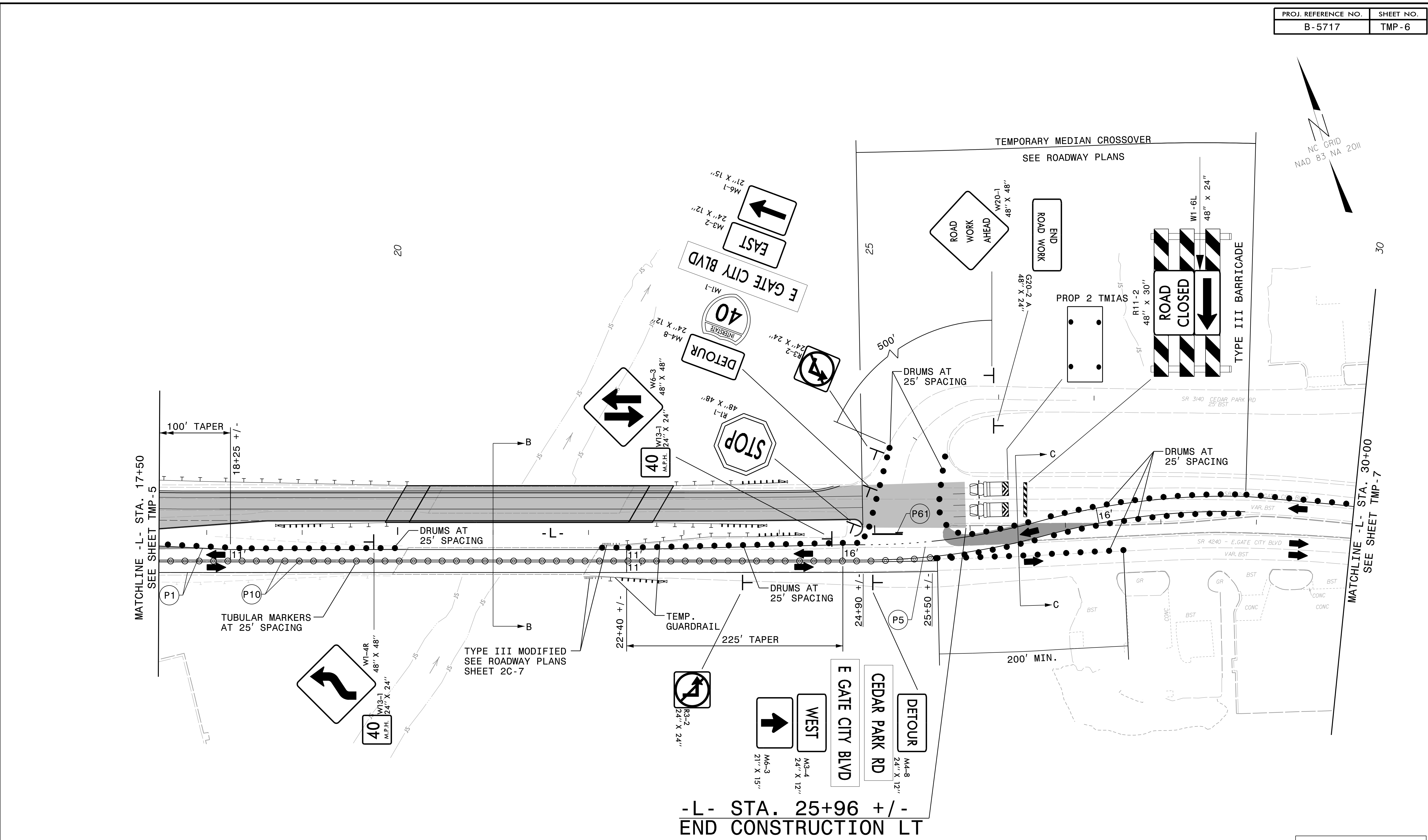
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APPROVED: Timothy D. Blatz 4/25/2022 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER TRIPITY A. FLOTT

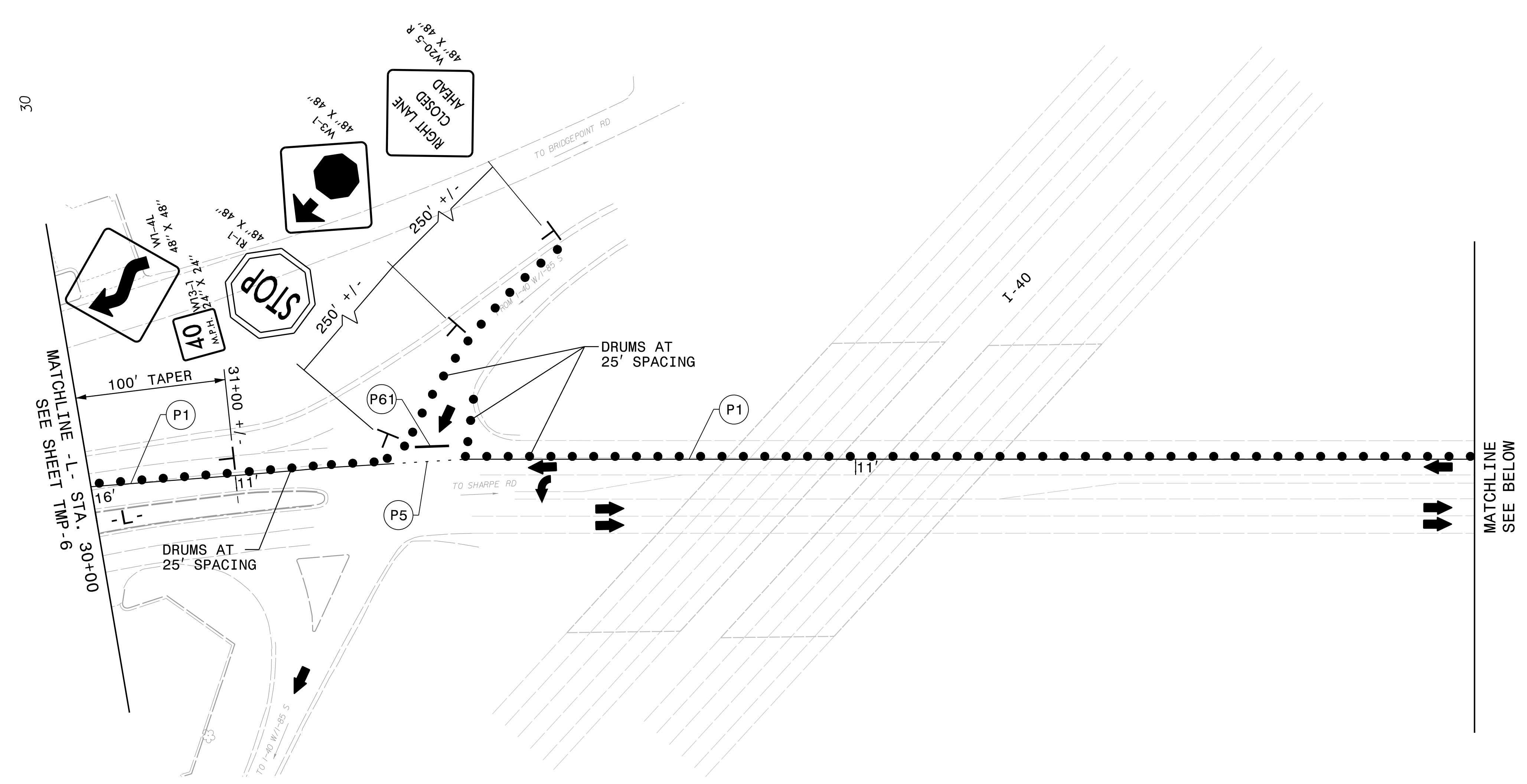


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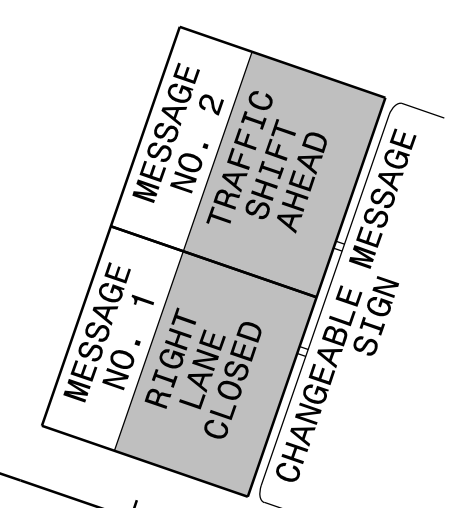
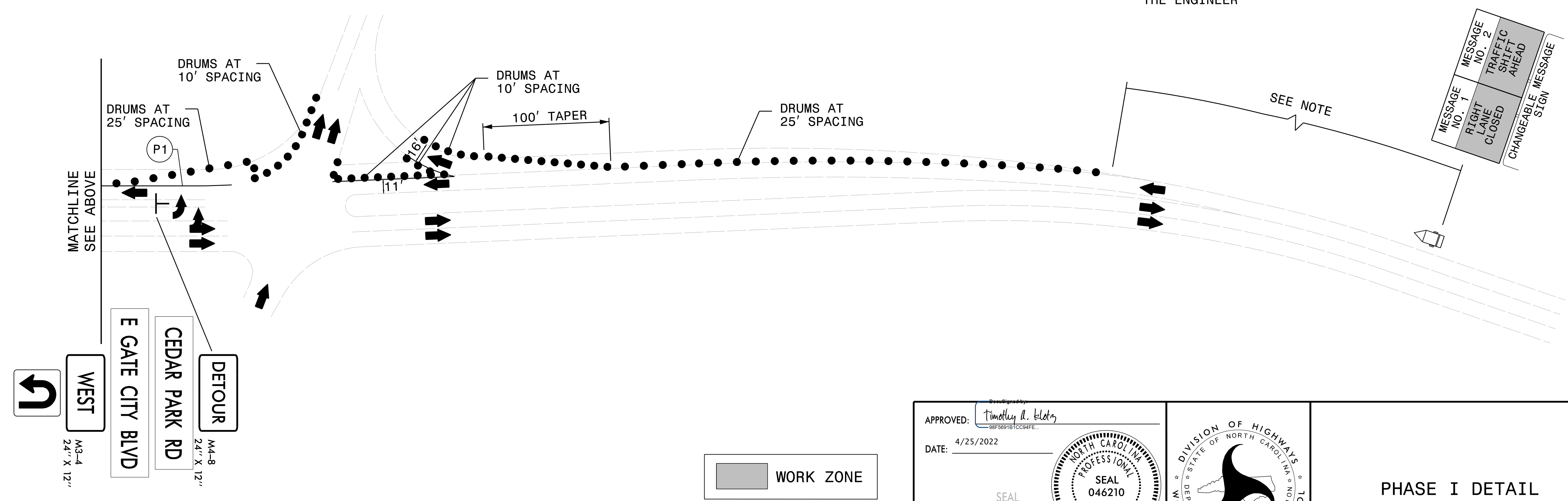


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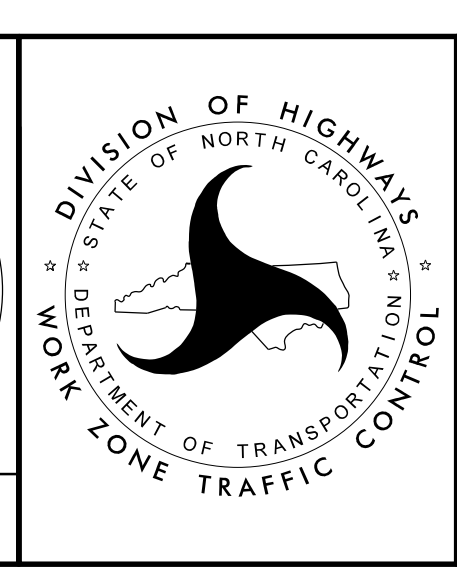


NOTE: LOCATE CMS AT THE INTERSECTION OF E. LEE STREET (SR 3037) AND SHARPE ROAD (SR 3033) OR AS DIRECTED BY THE ENGINEER



WORK ZONE

APPROVED: *Timothy A. Vlot*
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 SEAL
 NORTH CAROLINA PROFESSIONAL SEAL 046210
 ENGINEER
 TIMOTHY A. VLOT

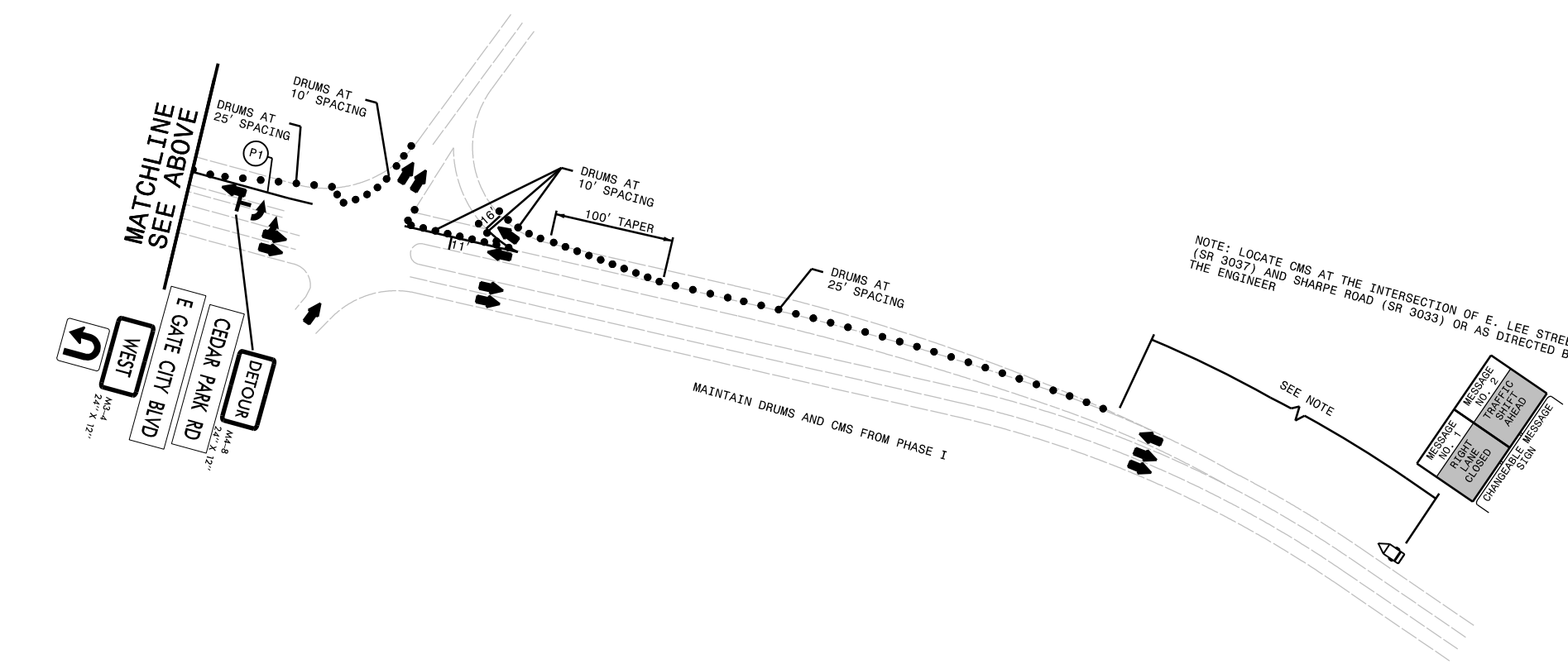
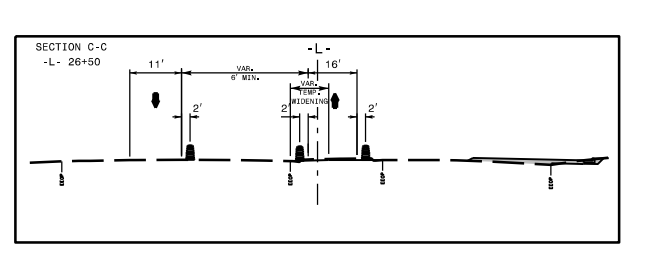
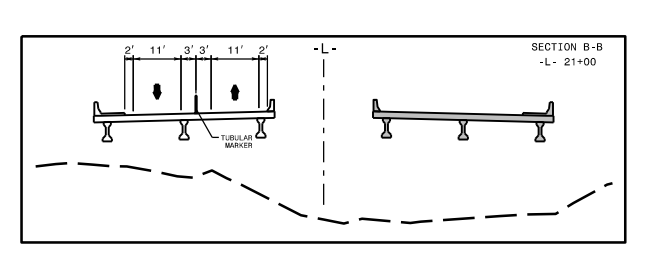
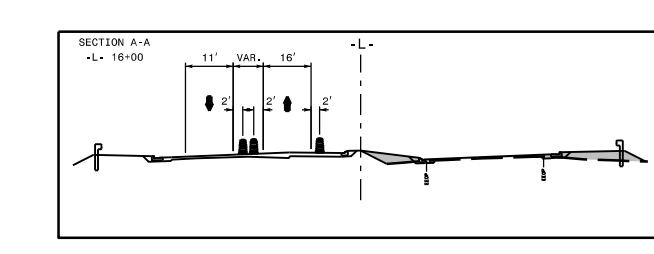
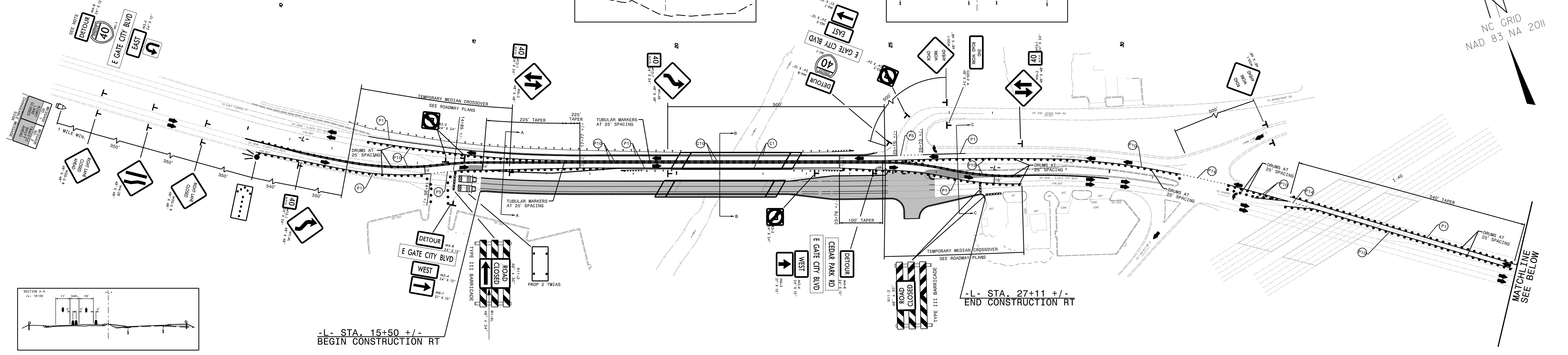


PHASE I DETAIL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

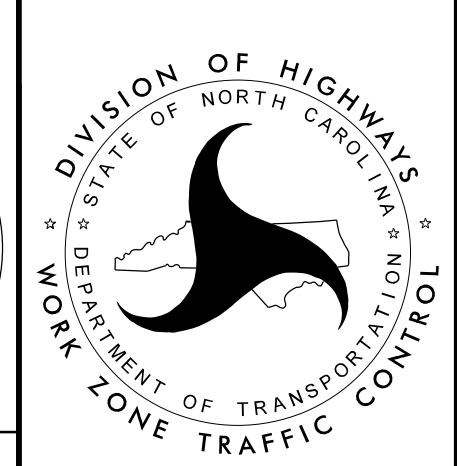
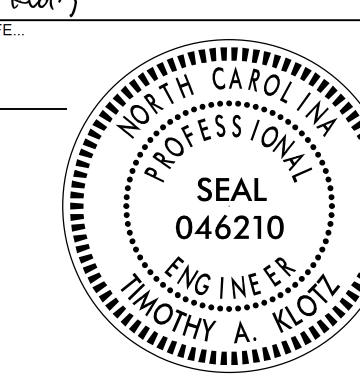
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Tim.Klotz

NOTE: LOCATE SIGNS AT THE INTERSECTION OF E. GATE CITY BLVD (SR 4240) AND E. FLORIDA STREET OR AS DIRECTED BY THE ENGINEER



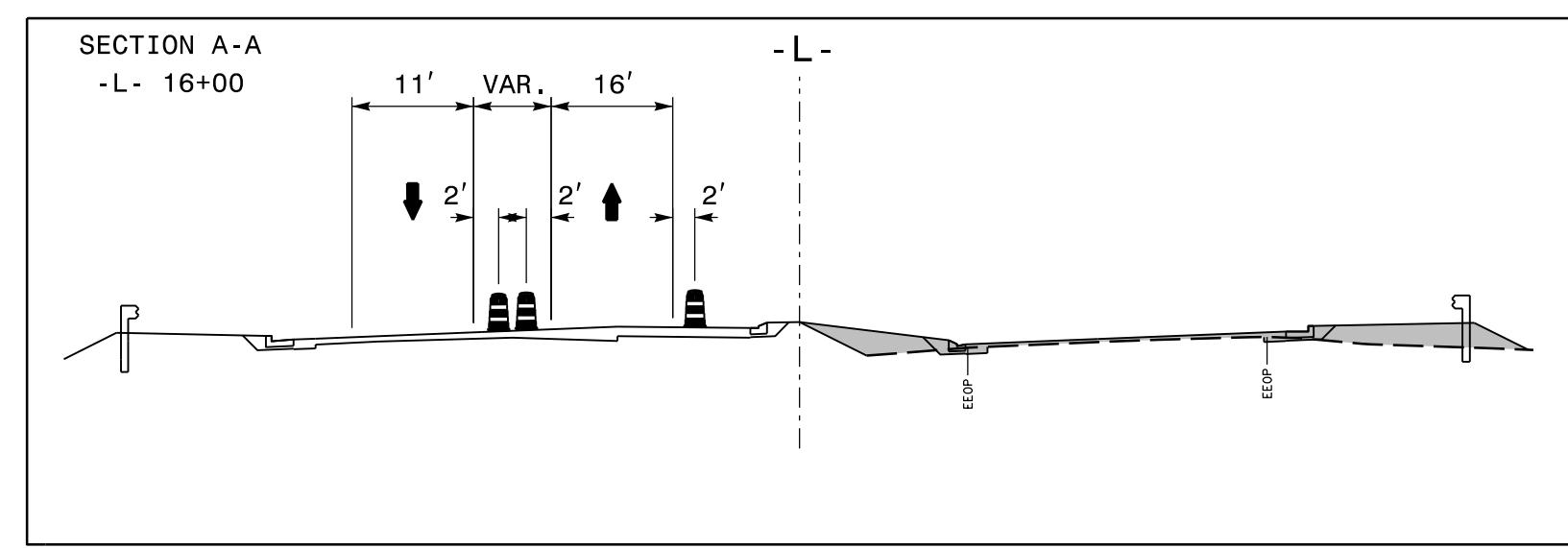
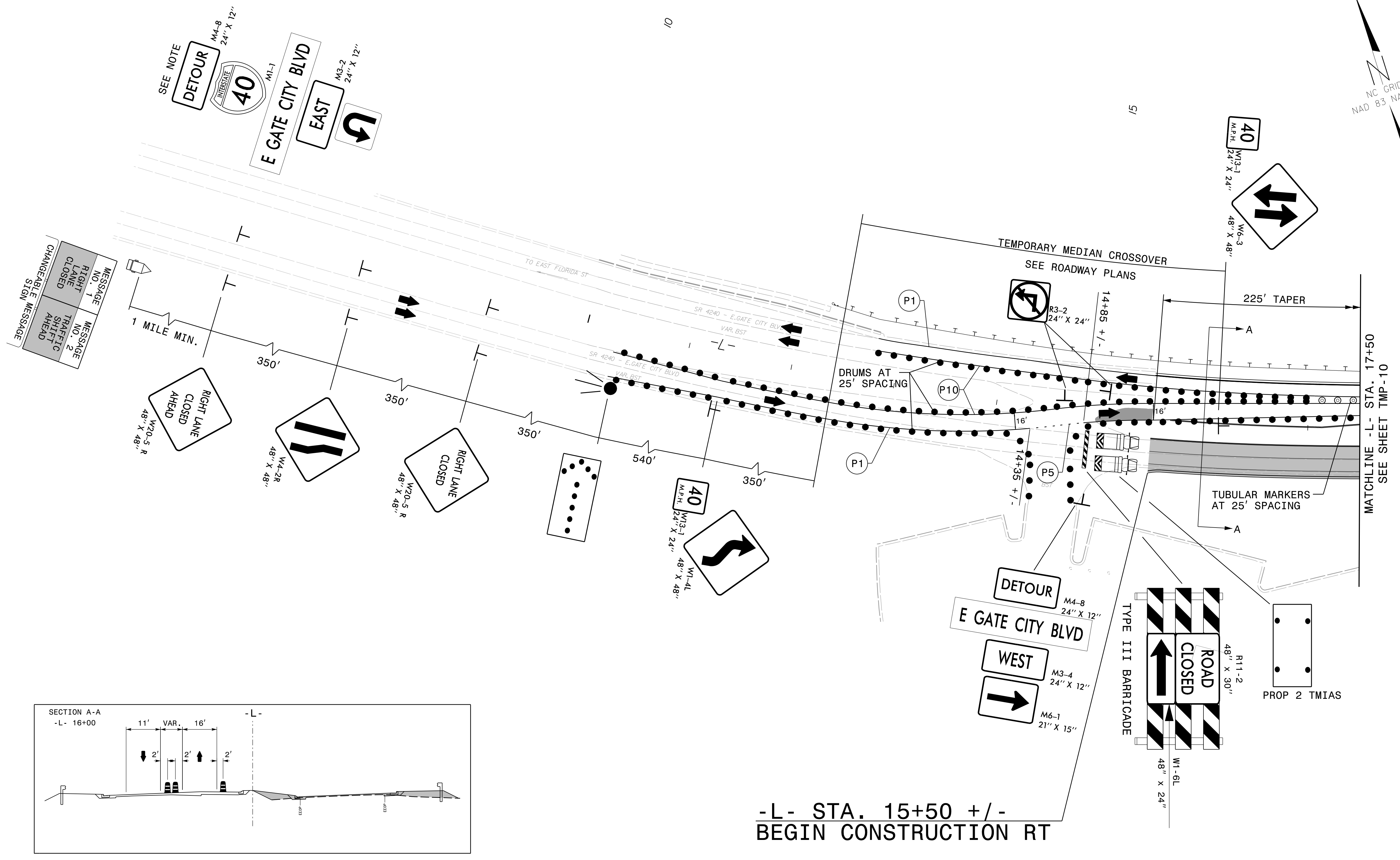
WORK ZONE

APPROVED: *Timothy A. Klotz*
DATE: 4/25/2022
SEAL
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASE II OVERVIEW

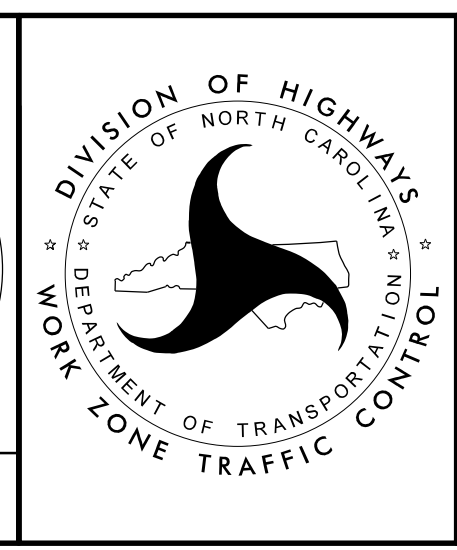
NOTE: LOCATE SIGNS AT THE INTERSECTION OF E. GATE CITY BLVD(SR 4240) AND E. FLORIDA STREET OR AS DIRECTED BY THE ENGINEER



-L- STA. 15+50 +/-
BEGIN CONSTRUCTION RT

WORK ZONE

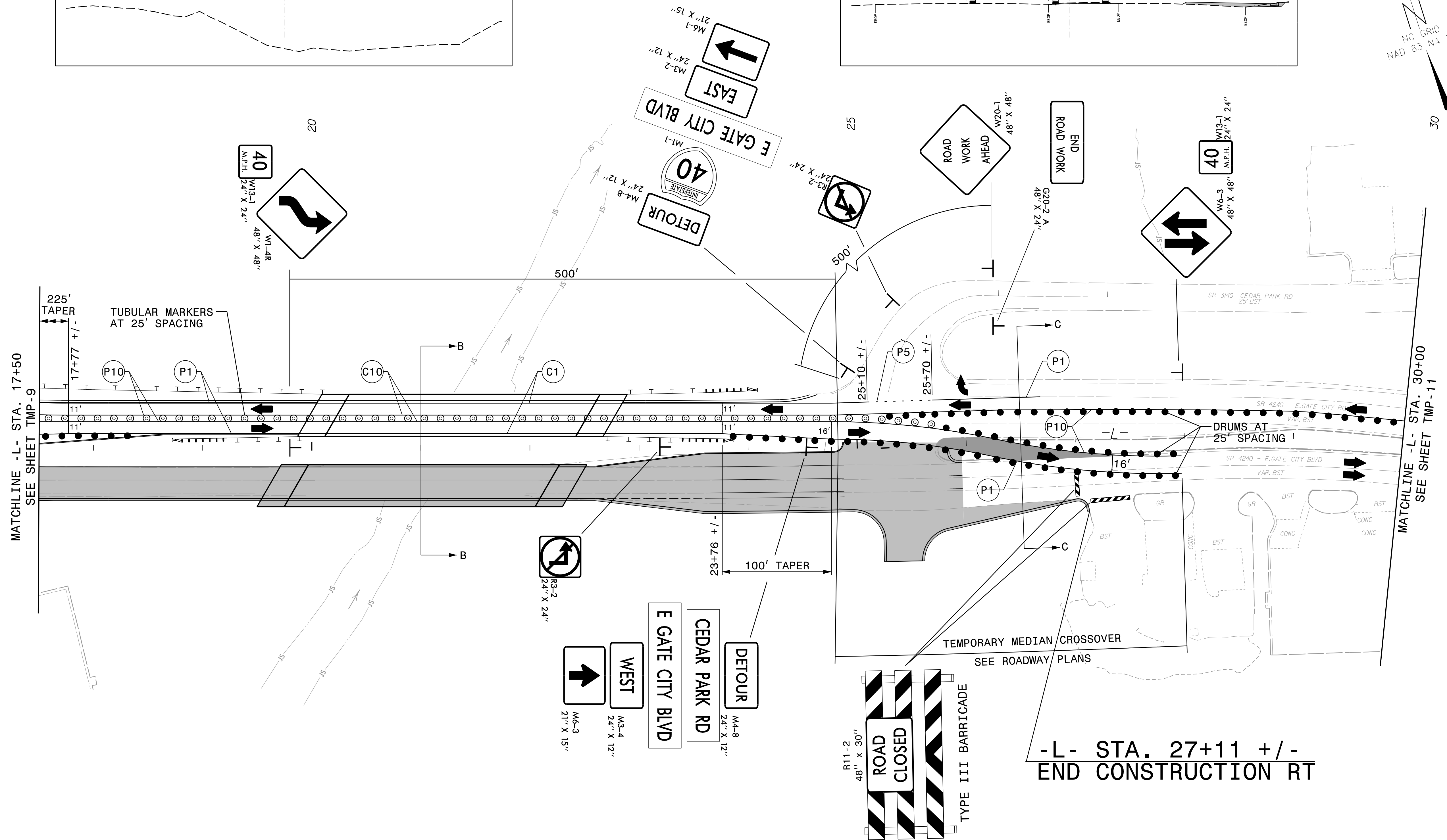
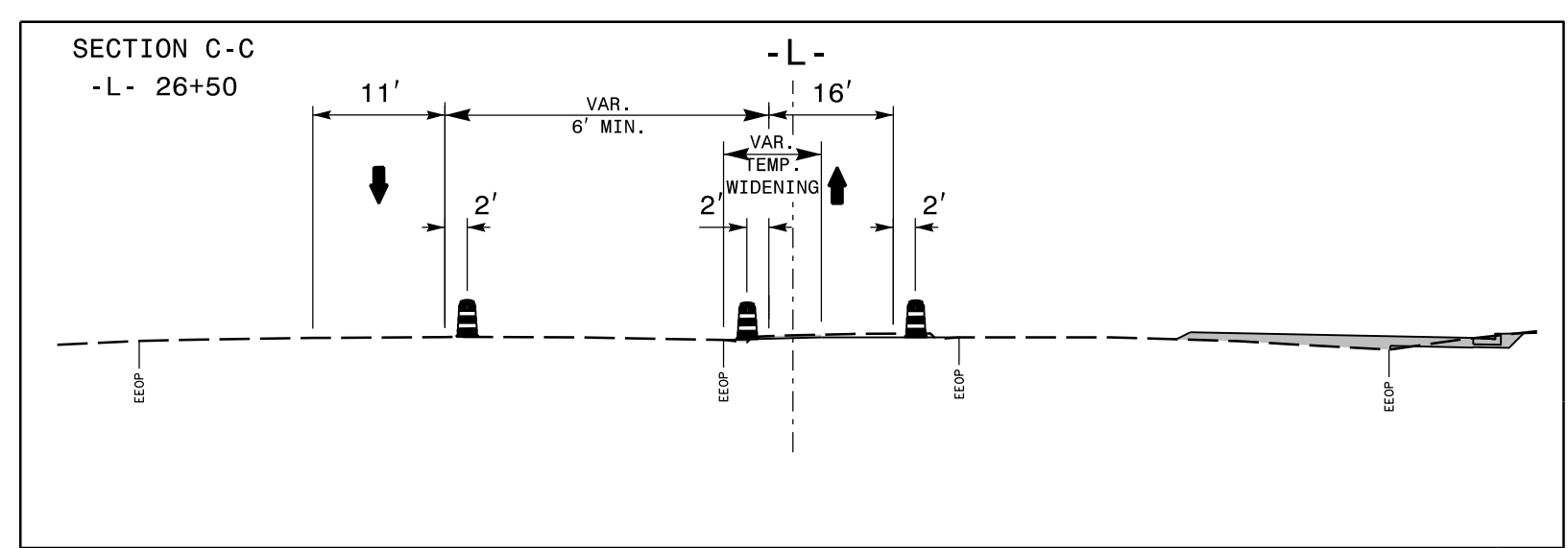
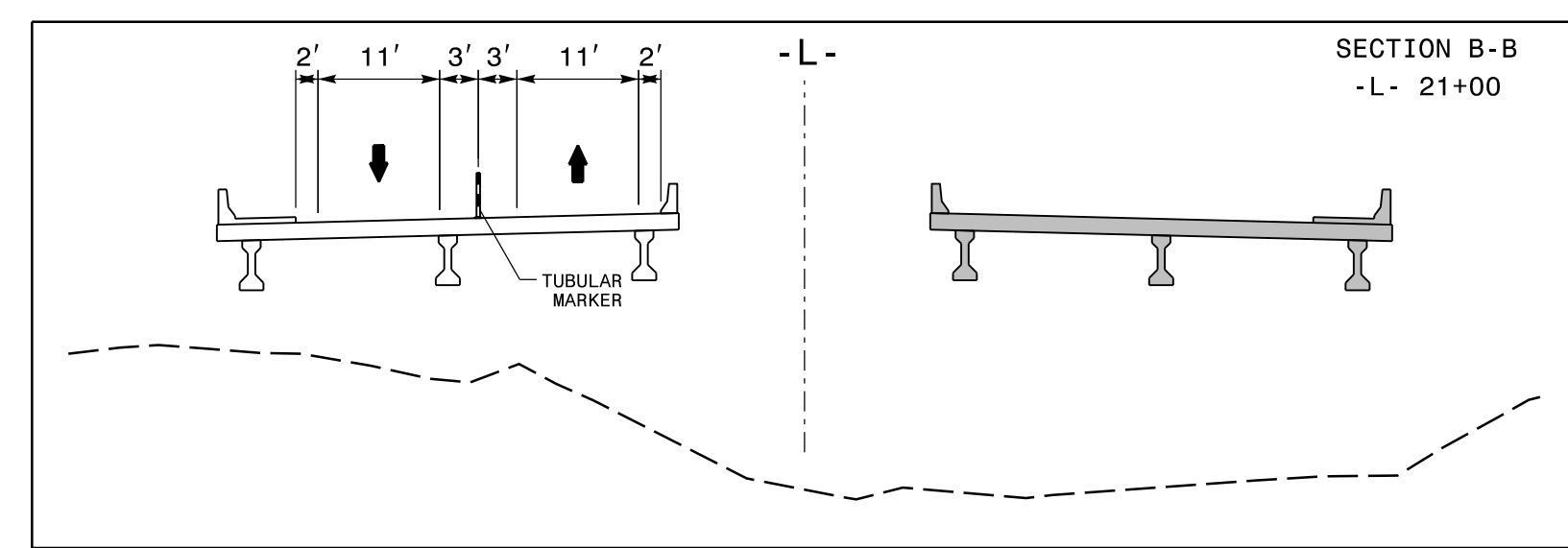
APPROVED: *Timothy L. Kelly*
 DATE: 4/25/2022
 SEAL
 NORTH CAROLINA PROFESSIONAL SEAL 046210
 ENGINEER
 TIMOTHY A. KELLY



PHASE II DETAIL

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4/14/2022
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Tim.Klotz



MATCHLINE -L- STA. 17+50
SEE SHEET TMP-9

MATCHLINE -L- STA. 30+00
SEE SHEET TMP-11

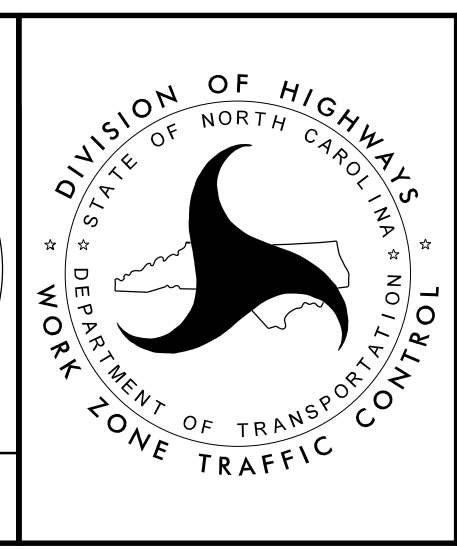
-L- STA. 27+11 +/-
END CONSTRUCTION RT

WORK ZONE

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DATE: 4/25/2022

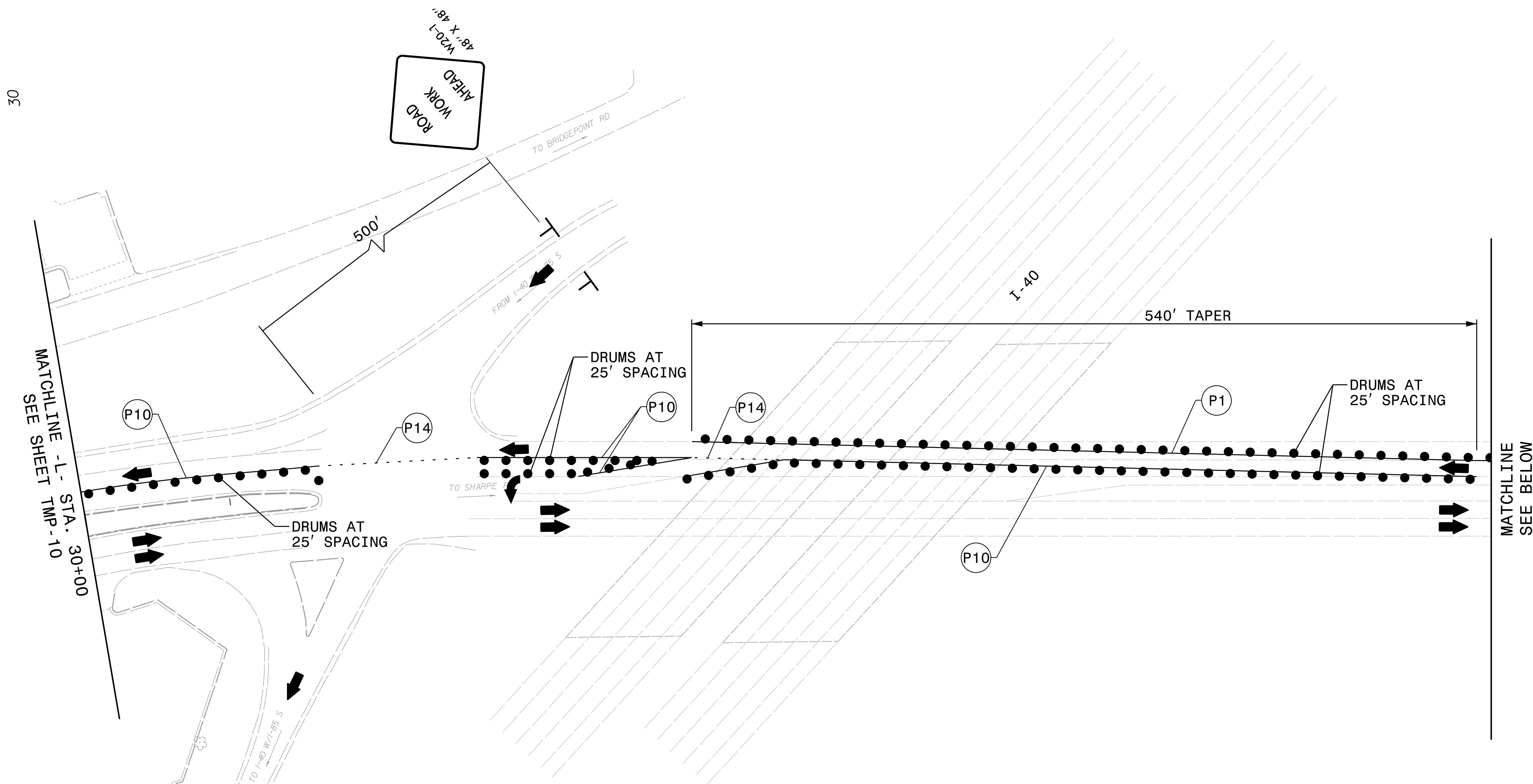
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PHASE II DETAIL

4/4/2022
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Tim.Klotz

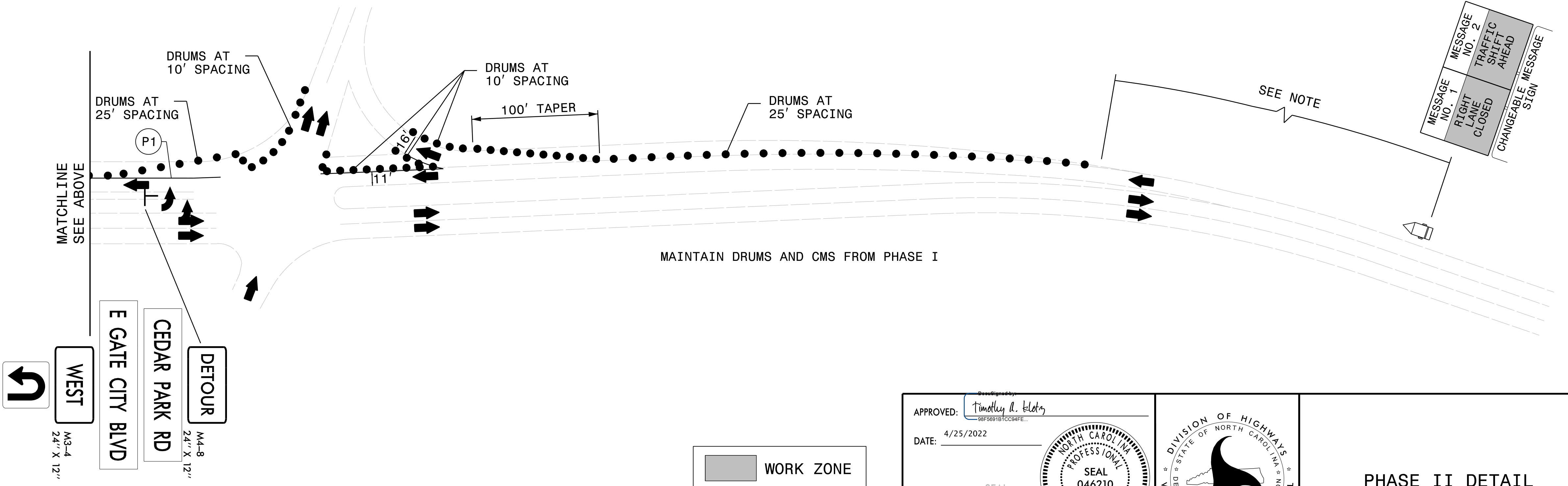


30

MATCHLINE - L -
SEE SHEET TMP-10
STA. 30+00

MATCHLINE
SEE BELOW

NOTE: LOCATE CMS AT THE INTERSECTION OF E. LEE STREET (SR 3037) AND SHARPE ROAD (SR 3033) OR AS DIRECTED BY THE ENGINEER



MATCHLINE
SEE ABOVE

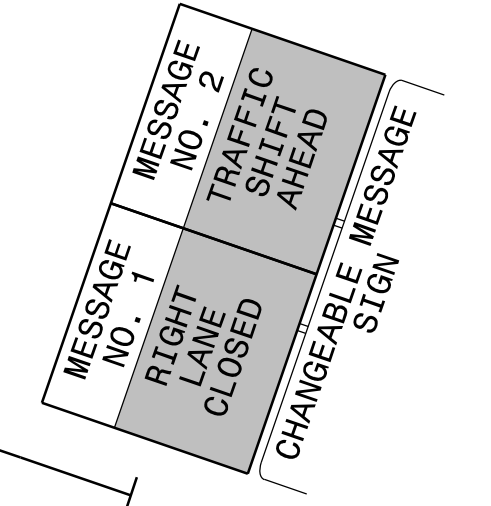
WEST
M3-4
24" X 12"

E GATE CITY BLVD

CEDAR PARK RD
M4-8
24" X 12"

DETOUR

WORK ZONE



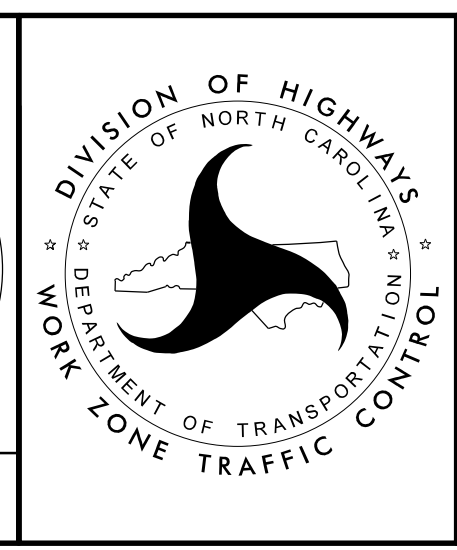
SEE NOTE

MAINTAIN DRUMS AND CMS FROM PHASE I

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DATE: 4/25/2022

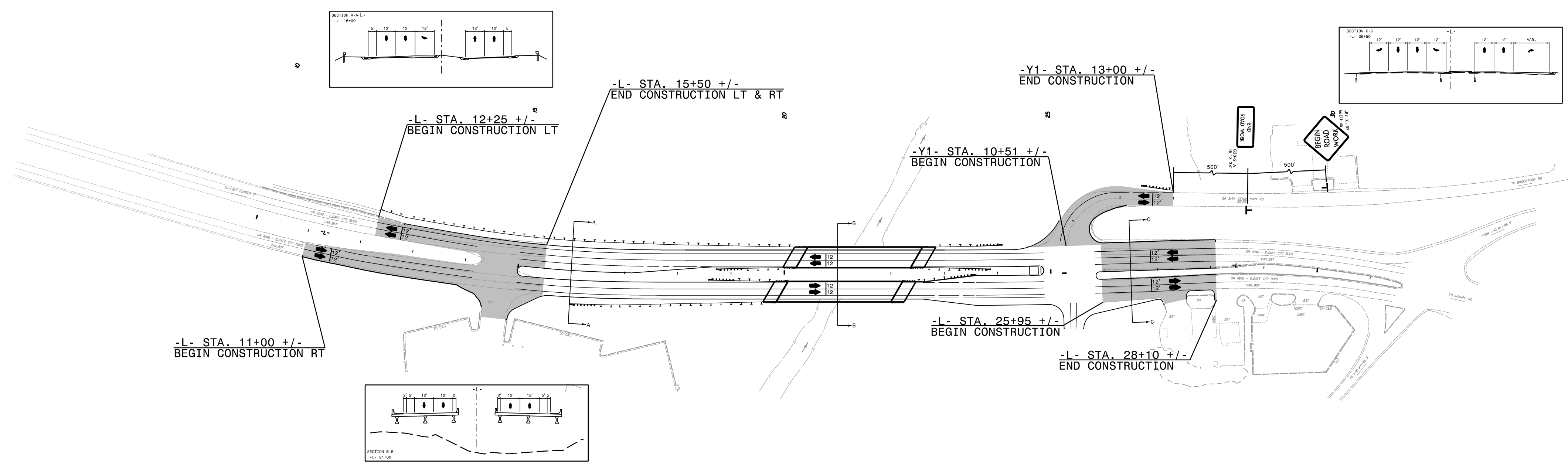
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PHASE II DETAIL

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Tim.Klotz



-L- STA. 11+00 +/-
BEGIN CONSTRUCTION RT

-L- STA. 12+25 +/-
BEGIN CONSTRUCTION LT

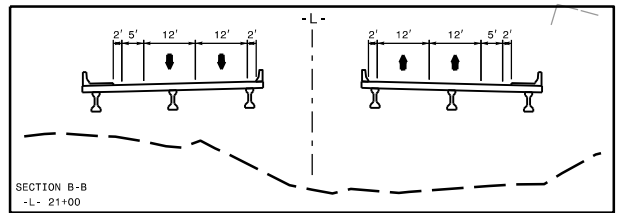
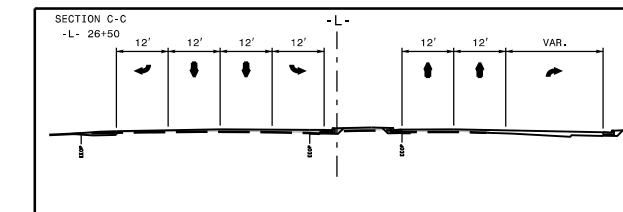
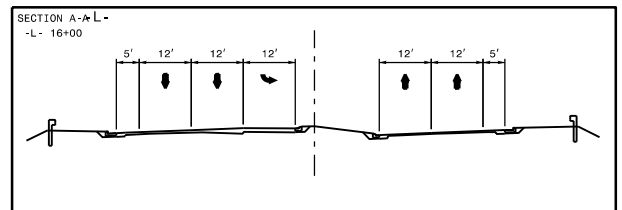
-L- STA. 15+50 +/-
END CONSTRUCTION LT & RT


-Y1- STA. 10+51 +/-
BEGIN CONSTRUCTION

-Y1- STA. 13+00 +/-
END CONSTRUCTION

-L- STA. 25+95 +/-
BEGIN CONSTRUCTION

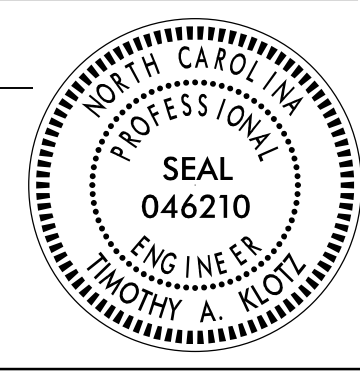
-L- STA. 28+10 +/-
END CONSTRUCTION



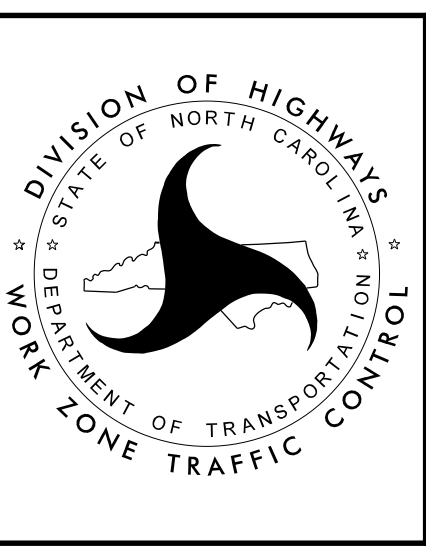
 WORK ZONE

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 DATE: 4/25/2022

SEAL

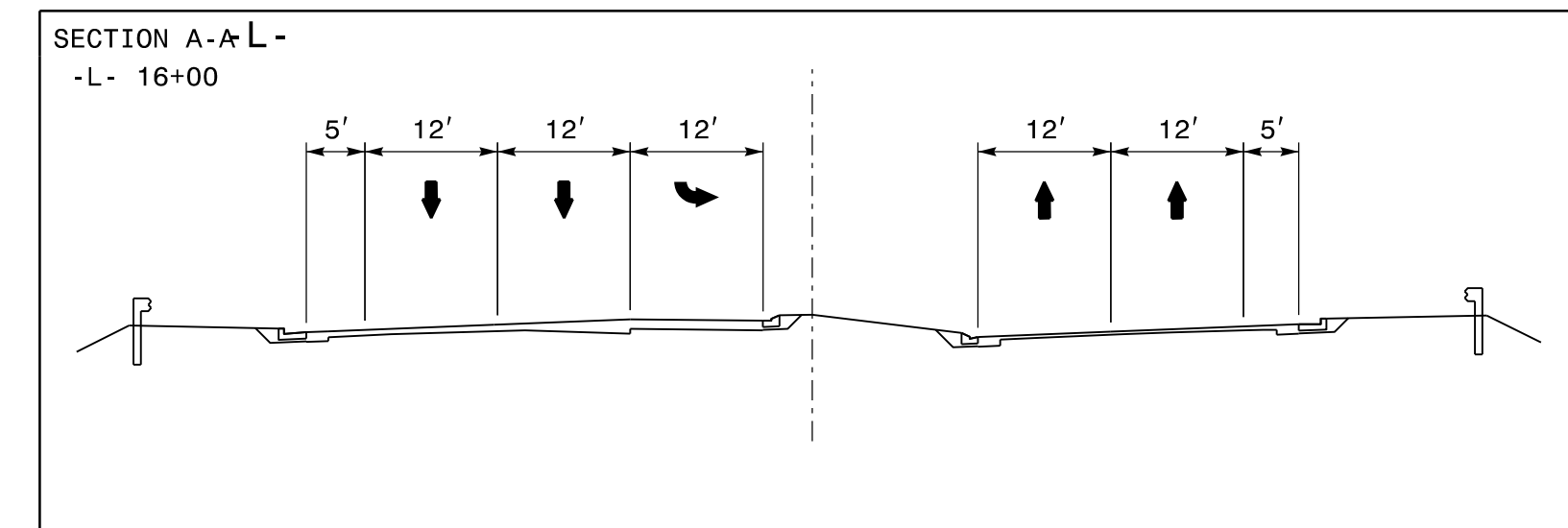


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PHASE III OVERVIEW

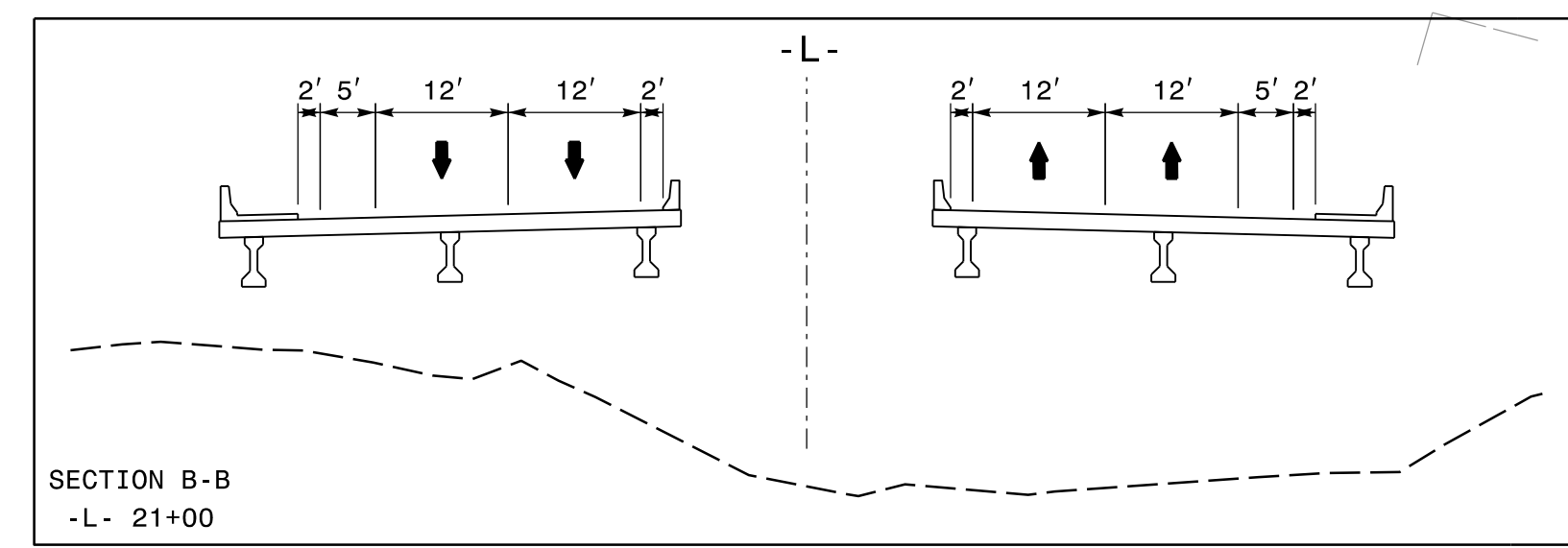
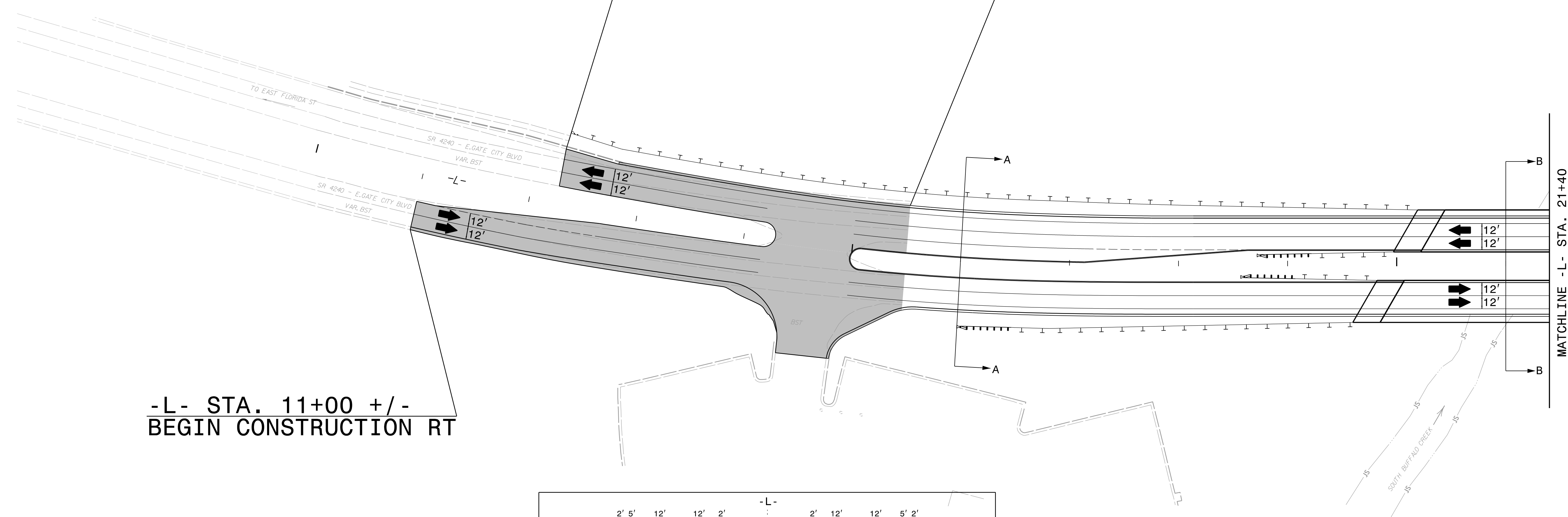
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 Tim.Klotz



-L- STA. 15+50 +/-
END CONSTRUCTION LT & RT

-L- STA. 12+25 +/-
BEGIN CONSTRUCTION LT

-L- STA. 11+00 +/-
BEGIN CONSTRUCTION RT

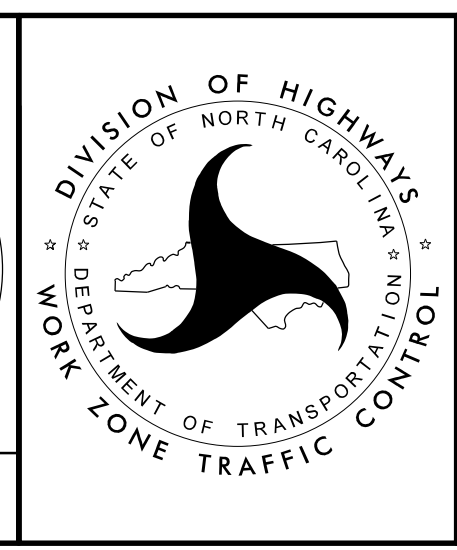


WORK ZONE

APPROVED: *Timothy A. Vlot*
DATE: 4/25/2022

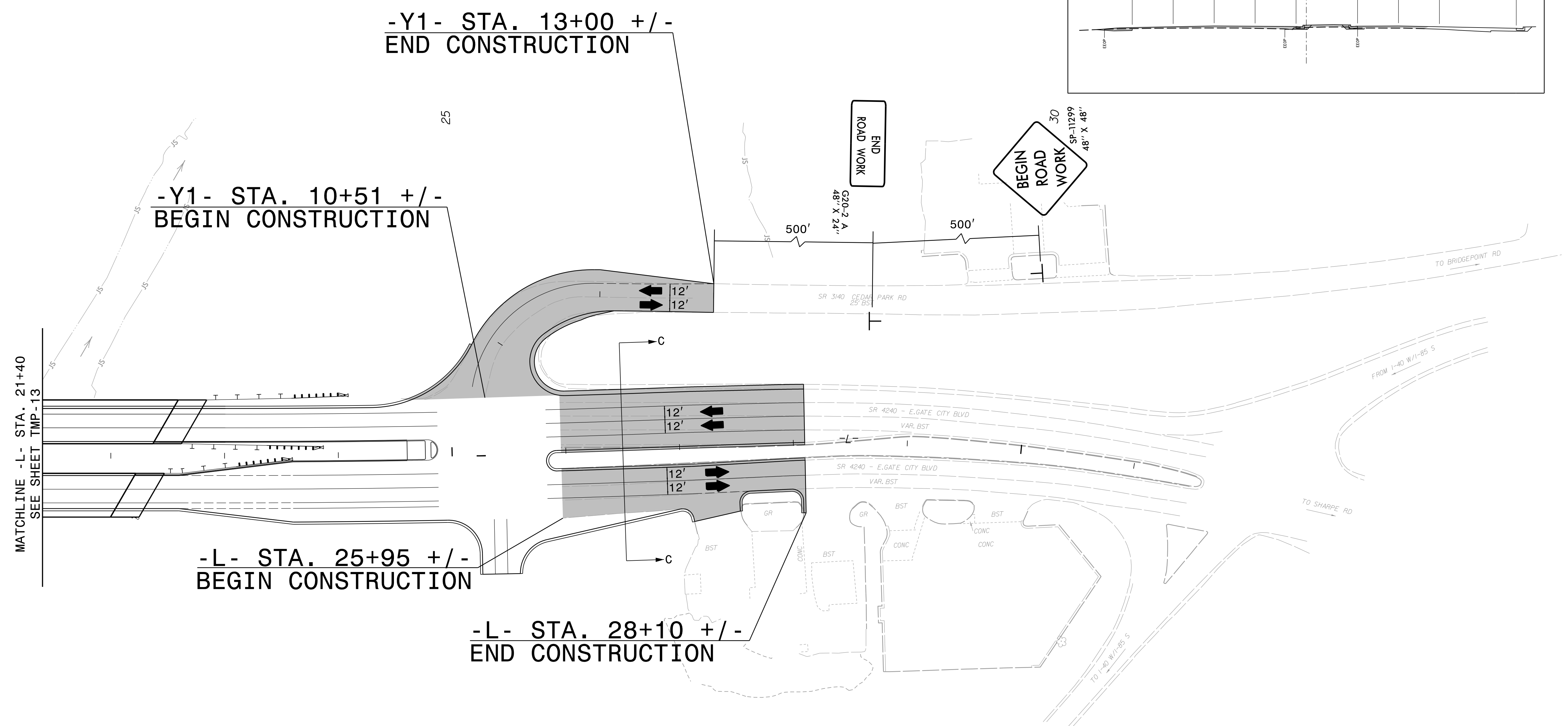
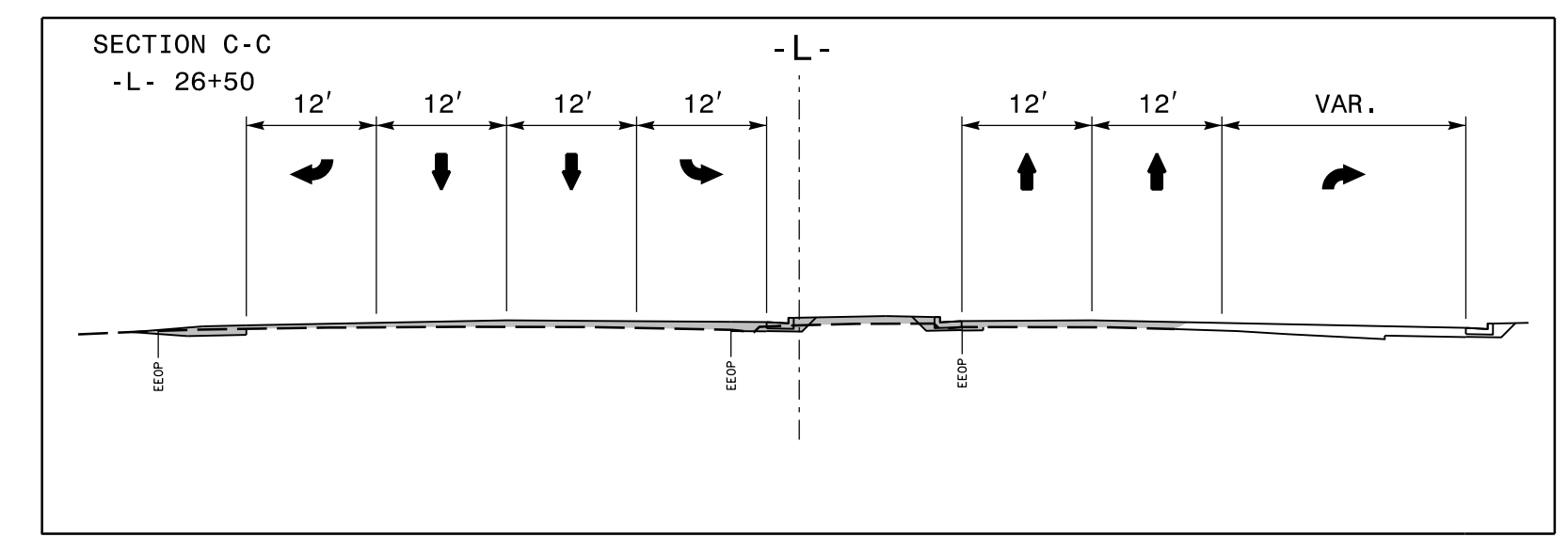
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PHASE III DETAIL

3/28/2022
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Tim.Klotz



**-Y1- STA. 13+00 +/-
END CONSTRUCTION**

**-Y1- STA. 10+51 +/-
BEGIN CONSTRUCTION**

**-L- STA. 25+95 +/-
BEGIN CONSTRUCTION**

**-L- STA. 28+10 +/-
END CONSTRUCTION**

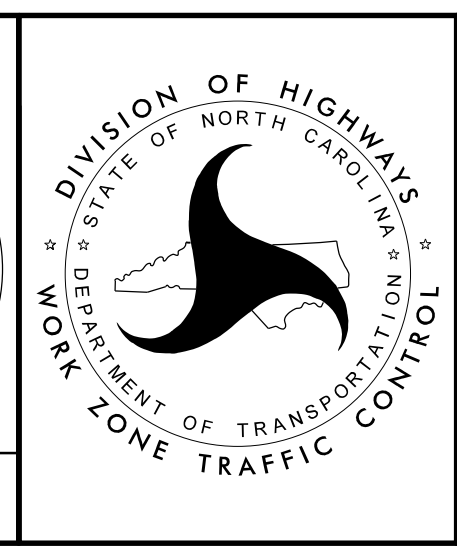
**MATCHLINE -L- STA. 21+40
SEE SHEET TMP-13**

WORK ZONE

APPROVED: *Timothy A. Vlot*
DATE: 4/25/2022

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PHASE III DETAIL

3/28/2022
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Tim.Klotz