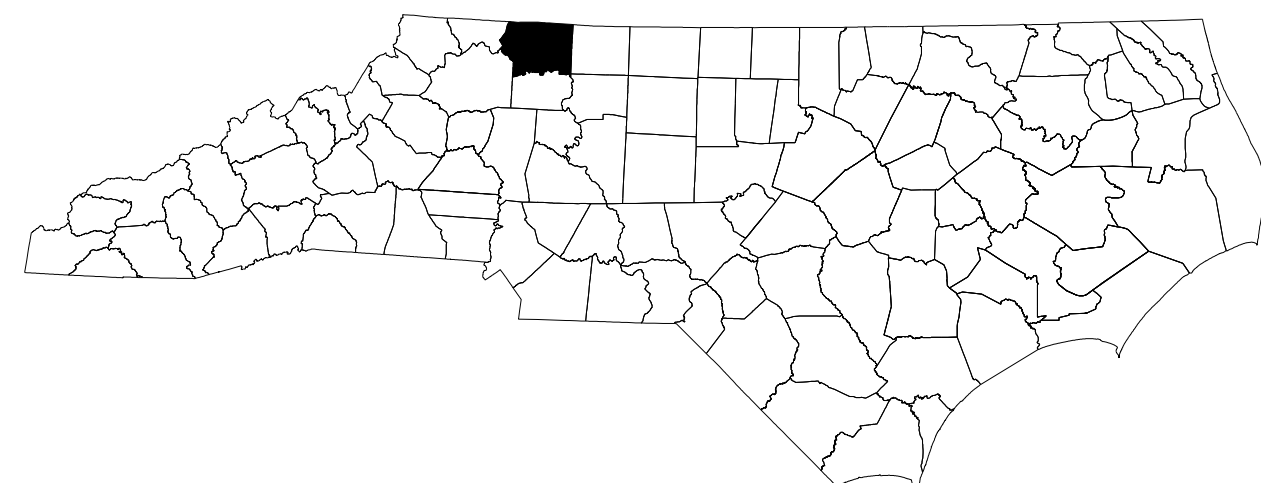


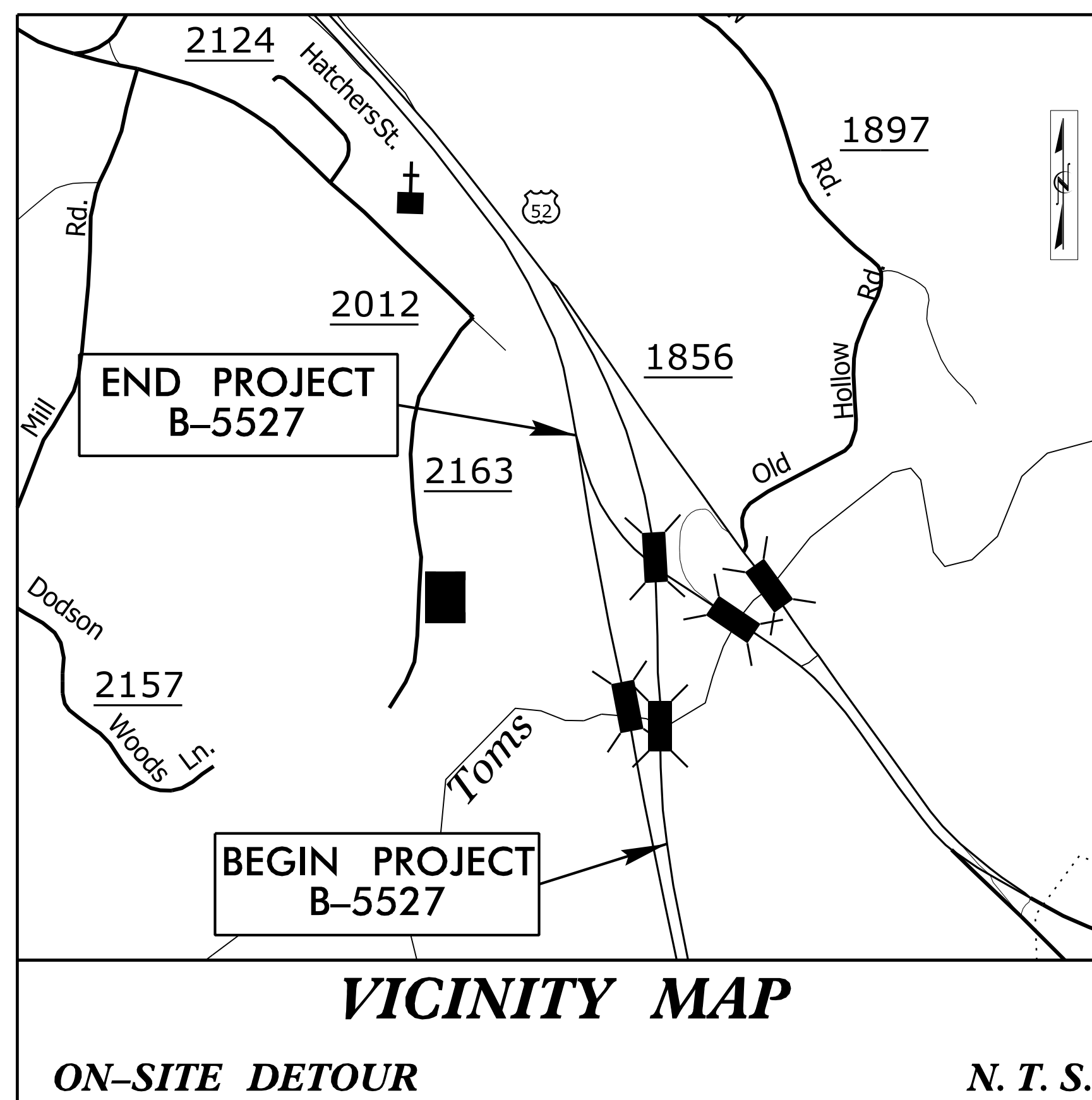
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

SURRY COUNTY



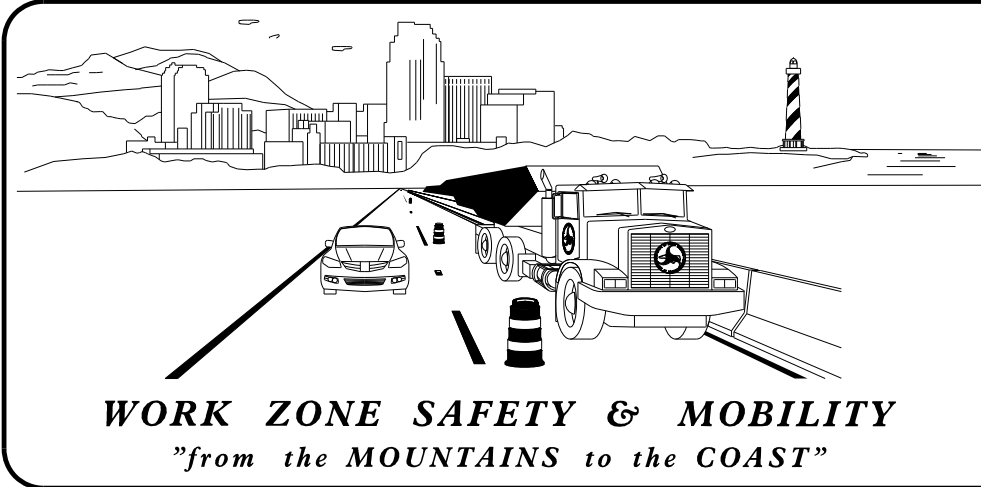
LOCATION: US 52 REPLACE BRIDGES 122 AND 126 OVER TOMS CREEK



INDEX OF SHEETS	
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)
TMP-1C	TRANSPORTATION OPERATIONS PLAN: (GENERAL NOTES)
TMP-2A	TYPICAL MEDIAN ACCESS DETAIL
TMP-2B	NB US 52 DETOUR ROUTE
TMP-2C	SB US 52 DETOUR ROUTE
TMP-2D	SPECIAL SIGN DESIGNS
TMP-2E	WORK ZONE DIGITAL SPEED LIMIT SIGNS
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 to TMP-5	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-6 to TMP-7	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-8 to TMP-9	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL
TMP-10 to TMP-11	TEMPORARY TRAFFIC CONTROL PHASE IV DETAIL
TMP-12 to TMP-13	TEMPORARY TRAFFIC CONTROL PHASE V DETAIL

SHEET NO.
TMP-1

2/7/2024 2:48:26 PM \\s01\work\14-783.005D - B-5527 - CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_01.dgn



PLANS PREPARED BY:

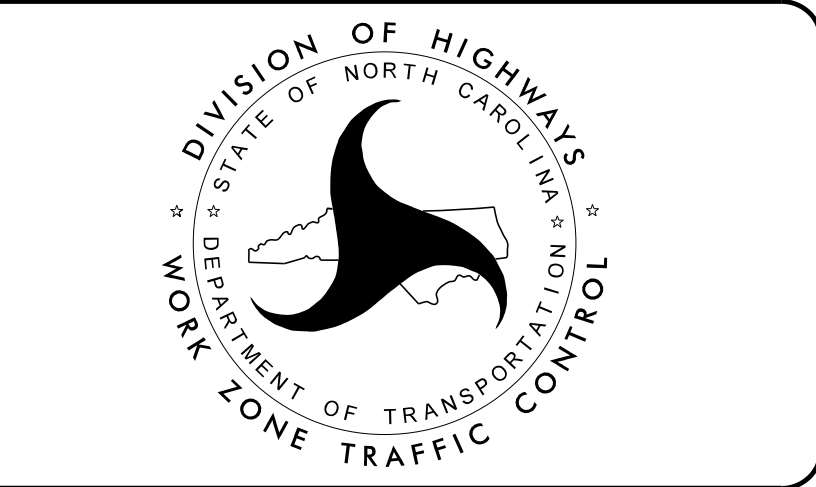
JASON T. GADDY, PE
PROJECT ENGINEER

JP HAINLINE, EI
PROJECT DESIGN ENGINEER

NCDOT CONTACTS:

ZACHARY CLARK, P.E
PROJECT ENGINEER

SHEENA GREEN
PROJECT DESIGN ENGINEER



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the North Carolina Department of Transportation in the Office of:

AMT

A. MORTON THOMAS AND ASSOCIATES, INC.
900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
(919) 855-9989 • NC LICENSE NO. F-1049
WWW.AMTENGINEERING.COM

APPROVED: _____

DATE: 2/12/2024

DocuSigned by:
Jason T. Gaddy
BAE5D64400BA488

TIP PROJECT: B-5527

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
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
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- REMOVAL
- WEDGE AND/OR WIDEN (USING FLAGGERS)
- TEMPORARY PAVEMENT

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

PAVEMENT MARKING - PAINT (4")

- P1 WHITE EDGE LINE
- P2 WHITE SOLID LANE LINE
- P10 YELLOW EDGELINE

MARKERS - TEMPORARY SNOWPLOWABLE PAVEMENT MARKERS

- M0 CRYSTAL & CRYSTAL

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN
- PORTABLE CONCRETE BARRIER

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

2/6/2024 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_01A.dgn gcarpentier

MANAGEMENT STRATEGIES

THE FOLLOWING LISTED WORK ZONE STRATEGIES ARE RECOMMENDED FOR INCLUSION WITHIN THIS TRANSPORTATION MANAGEMENT PLAN (TMP).

- CONNECTED LANE CLOSURE SYSTEMS
- OFFSITE DETOUR
- LANE SHIFTS OR CLOSURES
- ON-SITE DETOURS
- SPEED LIMIT REDUCTION

GENERAL 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 UNDESIRABLE 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
-LSB- US 52 SB	MONDAY THROUGH SUNDAY FROM 6:00 A.M TO 9:00 P.M.
-LNB- US 52 NB	MONDAY THROUGH SUNDAY FROM 6:00 A.M. TO 9:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
-LSB- US 52 SB & -LNB- US 52 NB

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 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 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 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT CLOSE ROAD AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-LSB- US 52 SB & -LNB- US 52 NB	MONDAY THROUGH SUNDAY FROM 6:00 A.M. TO 11:00 P.M.

D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
-LSB- US 52 SB & -LNB- US 52 NB	MONDAY THROUGH FRIDAY FROM 6:00 A.M. TO 9:00 A.M. AND FROM 4:00 P.M. TO 7:00 P.M.

E) 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

F) 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.

G) 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.

H) 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.

I) 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.

J) 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

K) 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.

L) 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) 1000' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

N) 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.

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

P) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 1000' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

Q) 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.

R) 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

MISCELLANEOUS

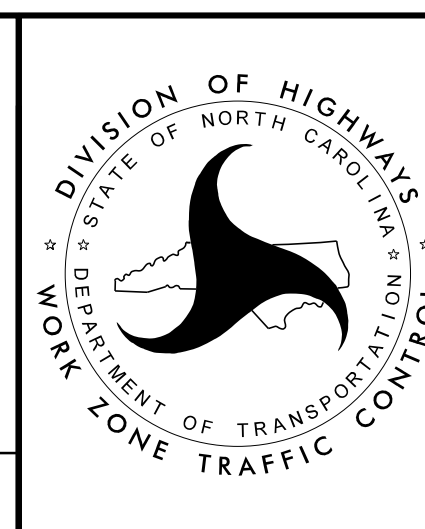
S) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER

PROJ. REFERENCE NO. B-5527	SHEET NO. TMP-1B
-------------------------------	---------------------

2/6/2024 X:\Raleigh\14-783\005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_01B.dgn gcoarpenfer



APPROVED: _____
DATE: 2/12/2024
DocuSigned by: Jason T. Gaddy
SEAL 045246
ENGINEER JASON T. GADDY
BAE5064400BA48E



TRANSPORTATION OPERATIONS PLAN

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GENERAL NOTES (CONT'D)

TRAFFIC CONTROL DEVICES

R) 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.

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
US 52 SB -LSB-	PAINT	TEMPORARY SNOWPLOWABLE
US 52 NB -LNB-	PAINT	TEMPORARY SNOWPLOWABLE

U) 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.

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

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

MISCELLANEOUS

COORDINATE WITH NCDOT STATEWIDE OPERATIONS CENTER (STOC) TO UTILIZE DMS ALONG US 52 CORRIDOR IN ADVANCE AND DURING NIGHTTIME CLOSURES AND OFF-SITE DETOURS OF US 52 NB AND SB

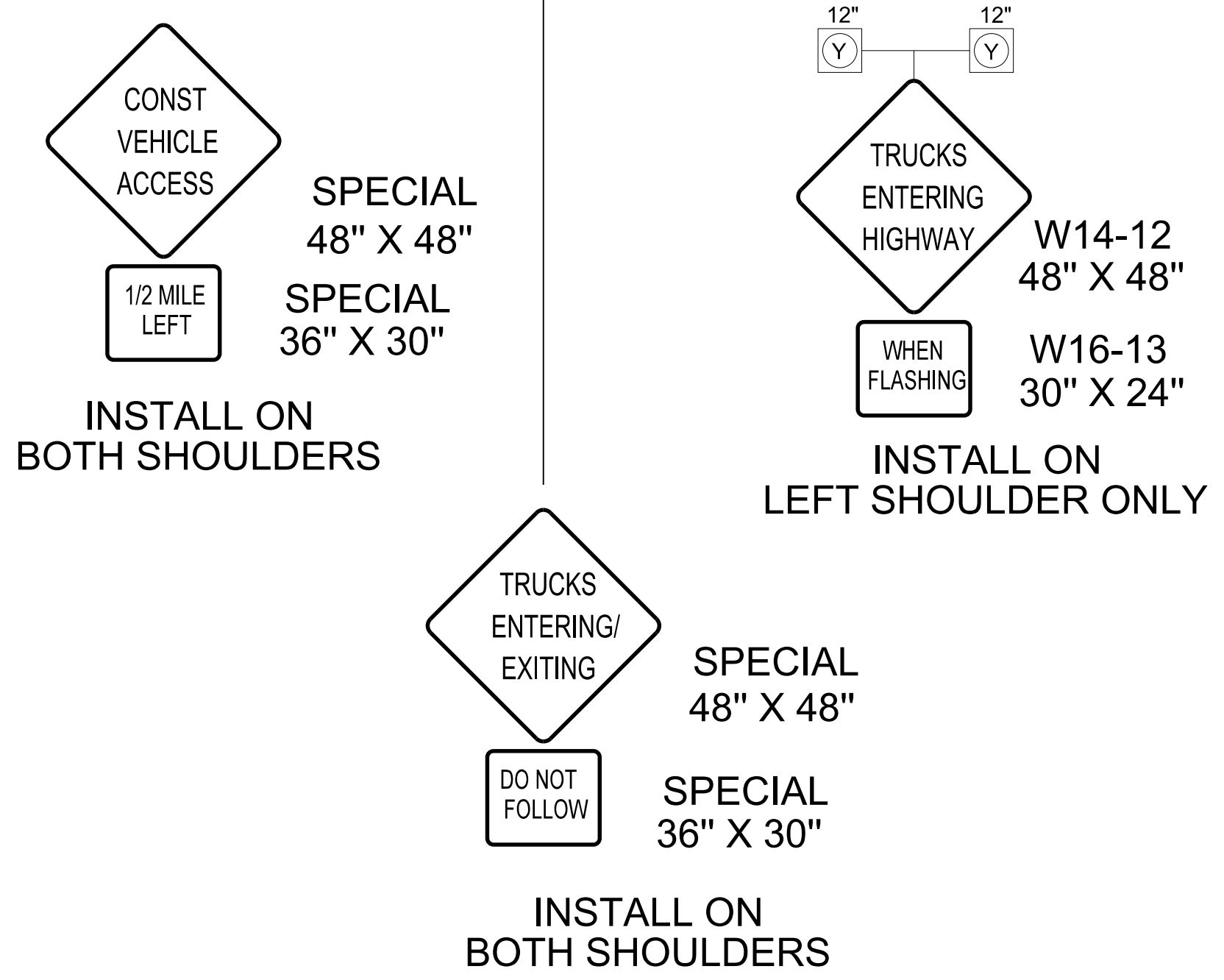
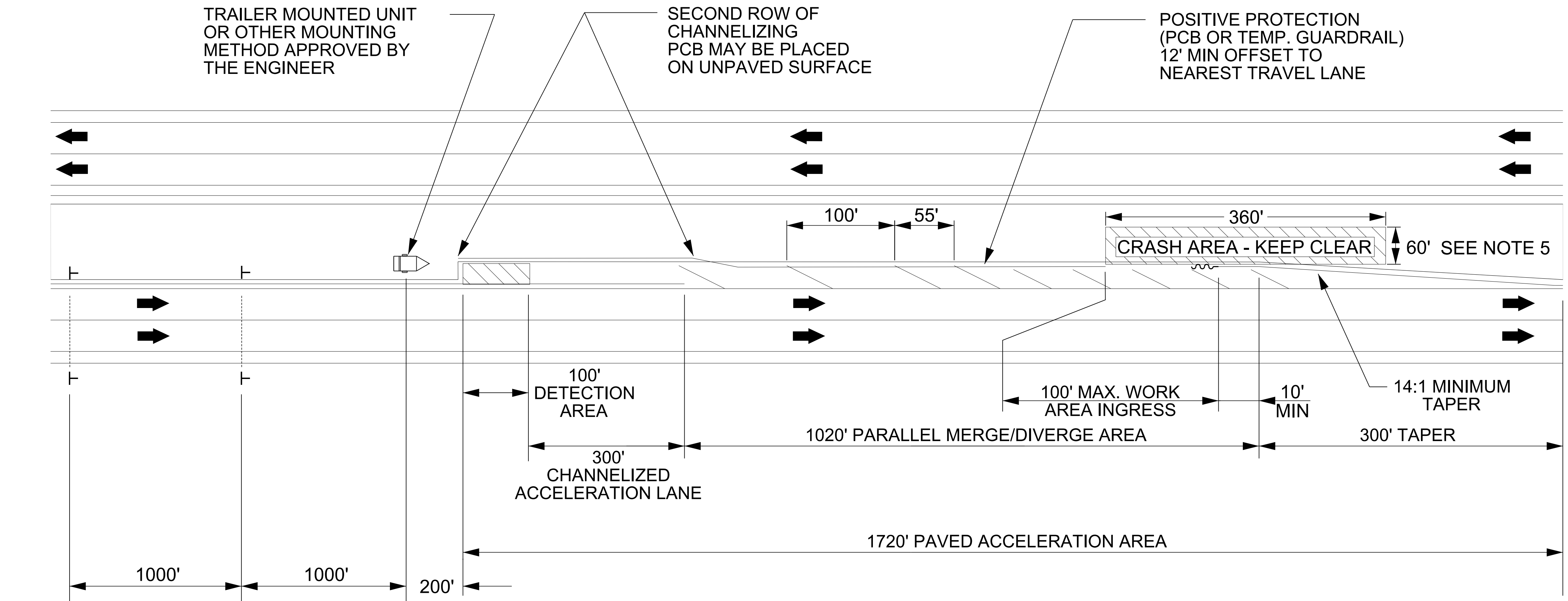
2/6/2024 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_01C.dgn gcarpenter



APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by:
 Jason T. Gaddy
 BAES2044008A468



**TRANSPORTATION
OPERATIONS
PLAN**



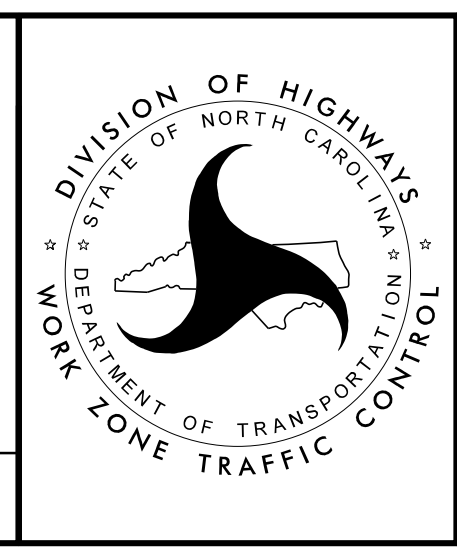
- NOTES:**
1. RELOCATE MEDIAN ACCESS POINTS, AS NEEDED, TO COMPLETE MEDIAN CONSTRUCTION AS APPROVED BY THE ENGINEER.
 2. PLACE YELLOW DIAGONAL PAVEMENT MARKINGS THROUGHOUT ACCESS LANE. SPACING FOR UPSTREAM HALF OF LANE SHALL BE 100', AND 55' FOR DOWNSTREAM HALF OF LANE.
 3. WHEN NOT IN USE FOR MORE THAN 72 HOURS, DRUMS SHALL BE USED ALONG THE SHOULDER TO CLOSE THE PARALLEL ACCELERATION/DECELERATION AREA.
 4. ALL WORK VEHICLES ATTEMPTING TO RE-ENTER AN OPEN TRAVEL LANE SHALL PASS THROUGH THE DETECTION AREA. WORK VEHICLES SHALL NOT LEAVE THE WORK AREA USING THE INGRESS POINT AT ANY TIME.
 5. NO MATERIALS OR EQUIPMENT SHALL BE STORED IN THE CRASH AREA DURING NON-WORKING HOURS.
 6. REFER TO TMP-2D FOR SPECIAL SIGN DESIGNS.

2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_02A.dgn
 gcarpentier

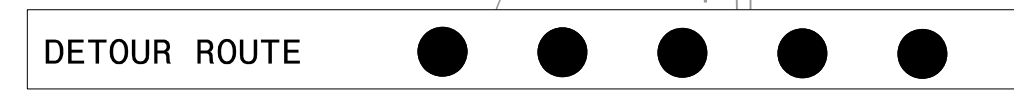
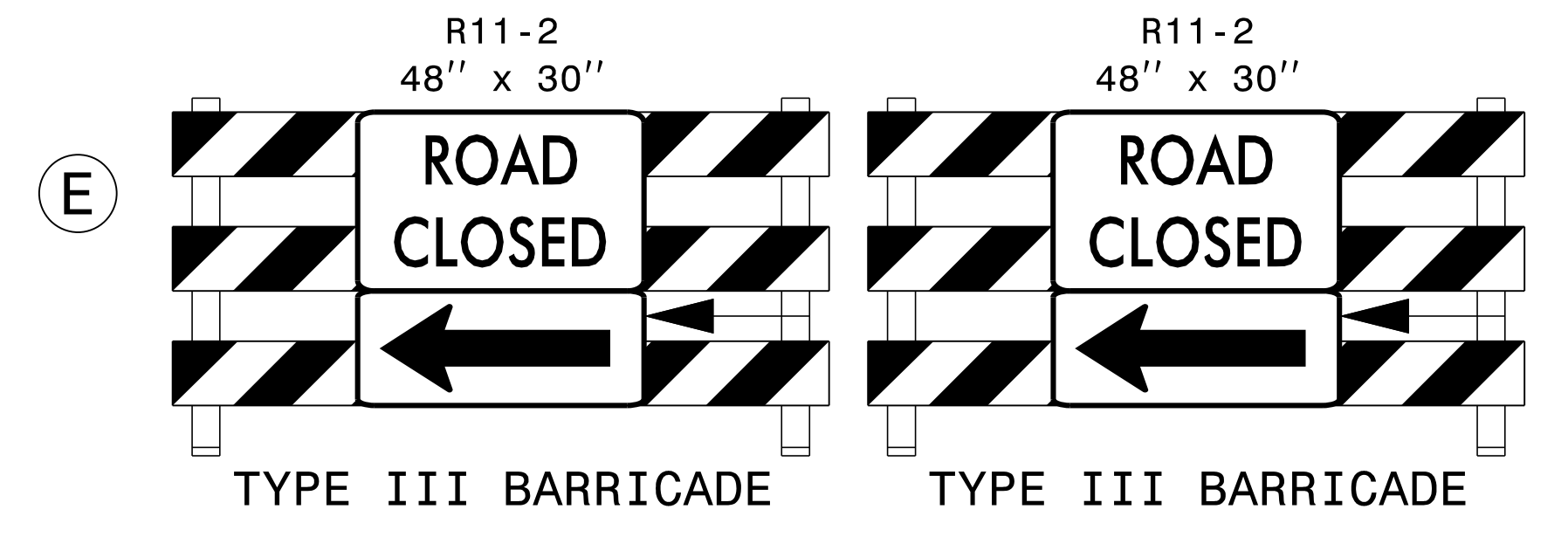
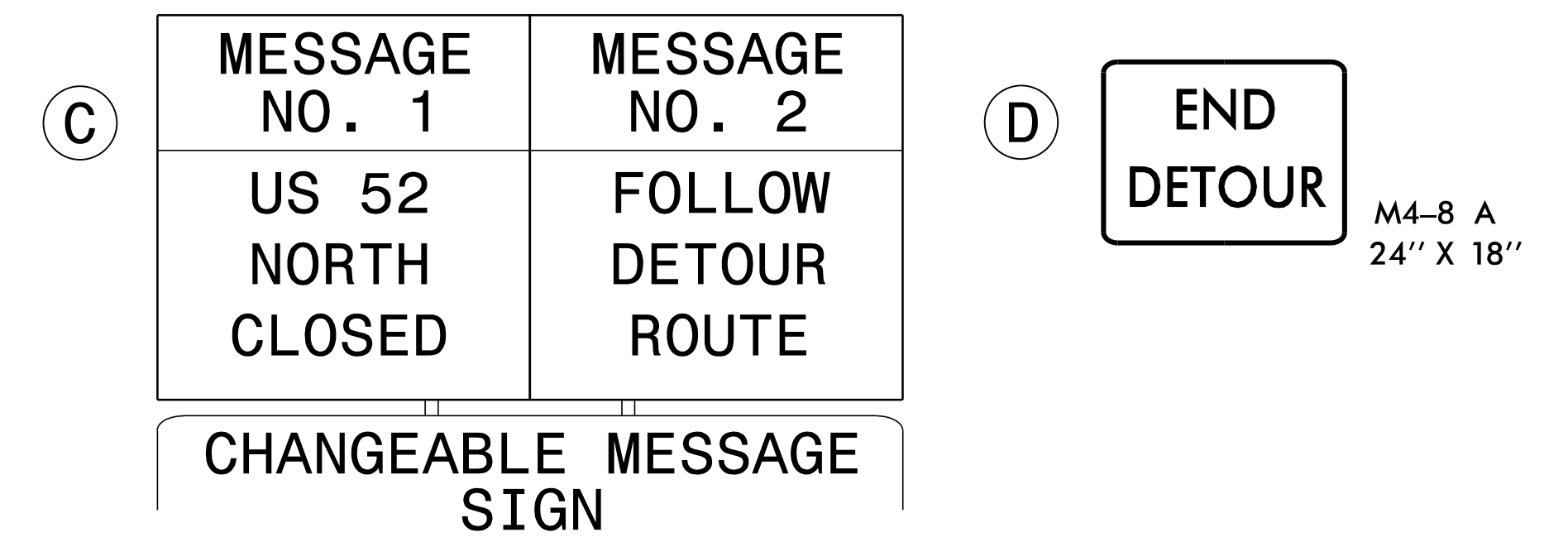
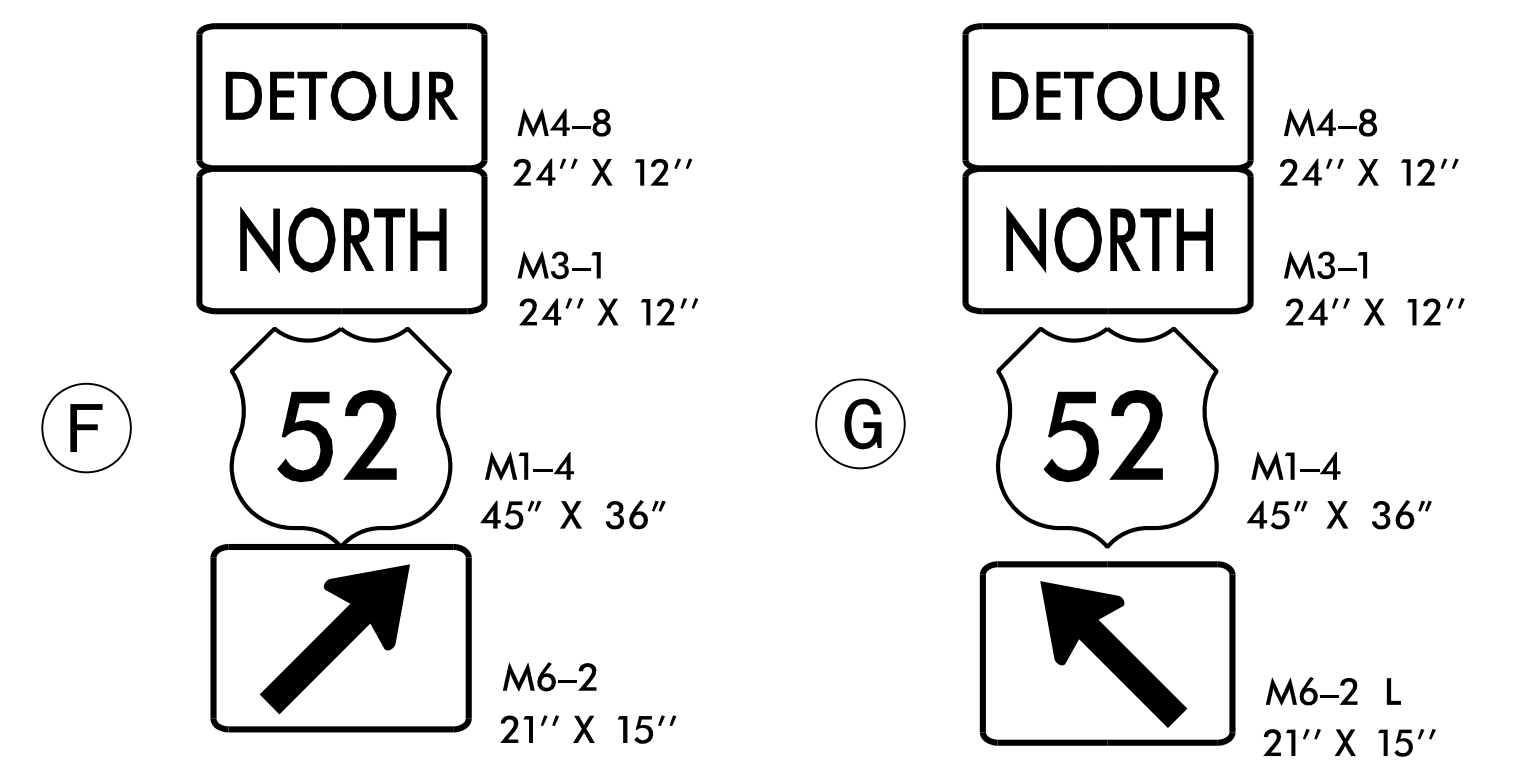
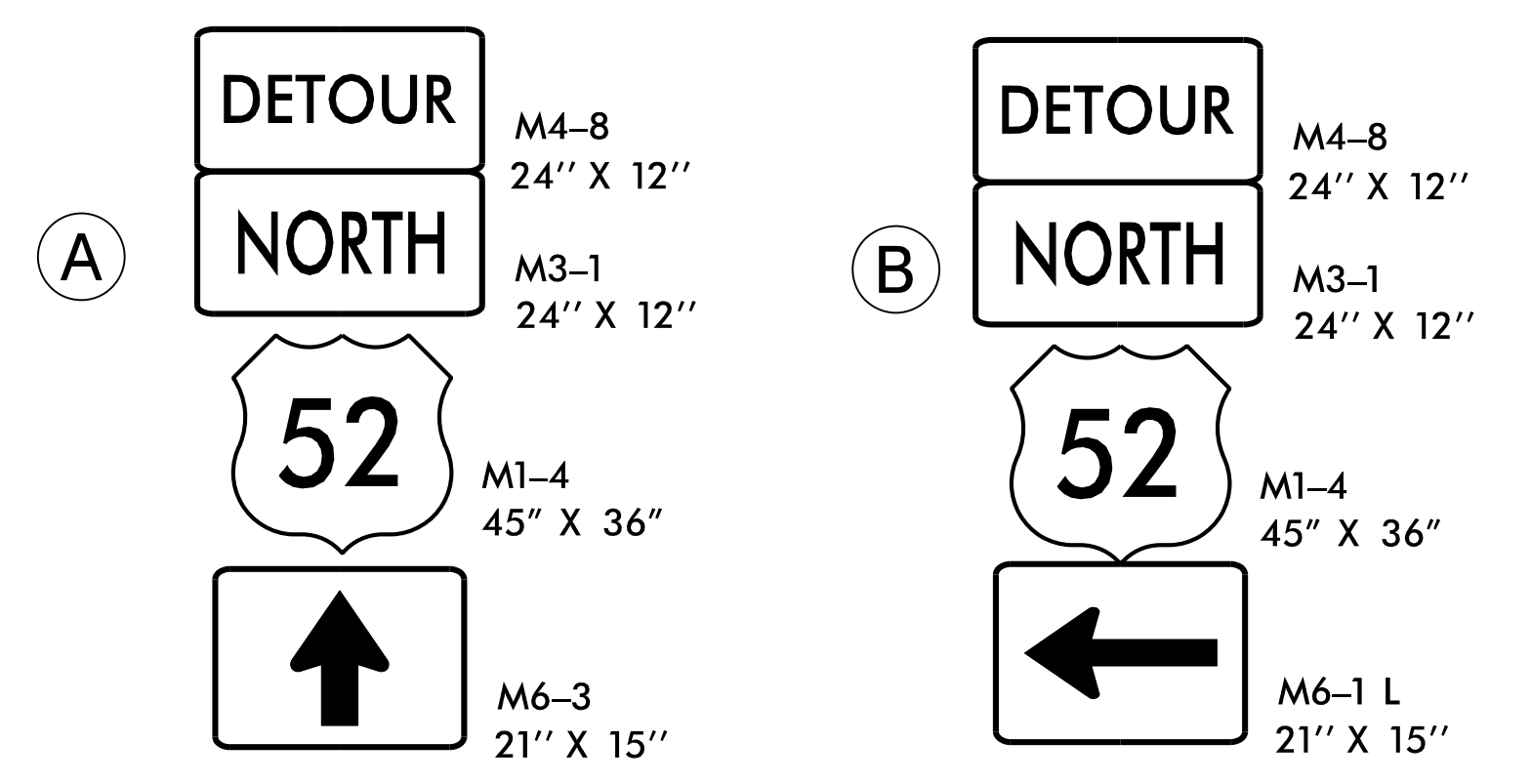
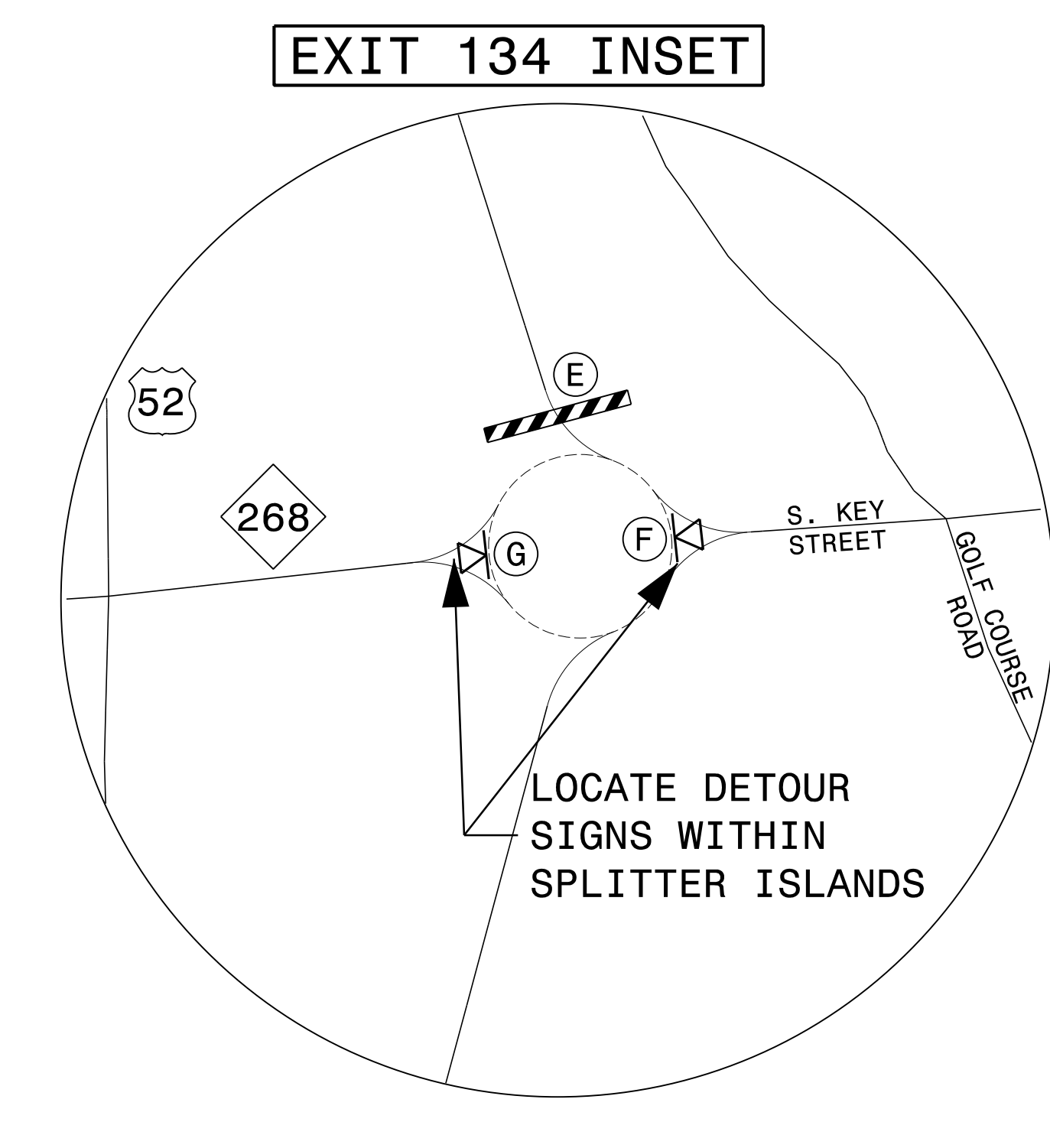
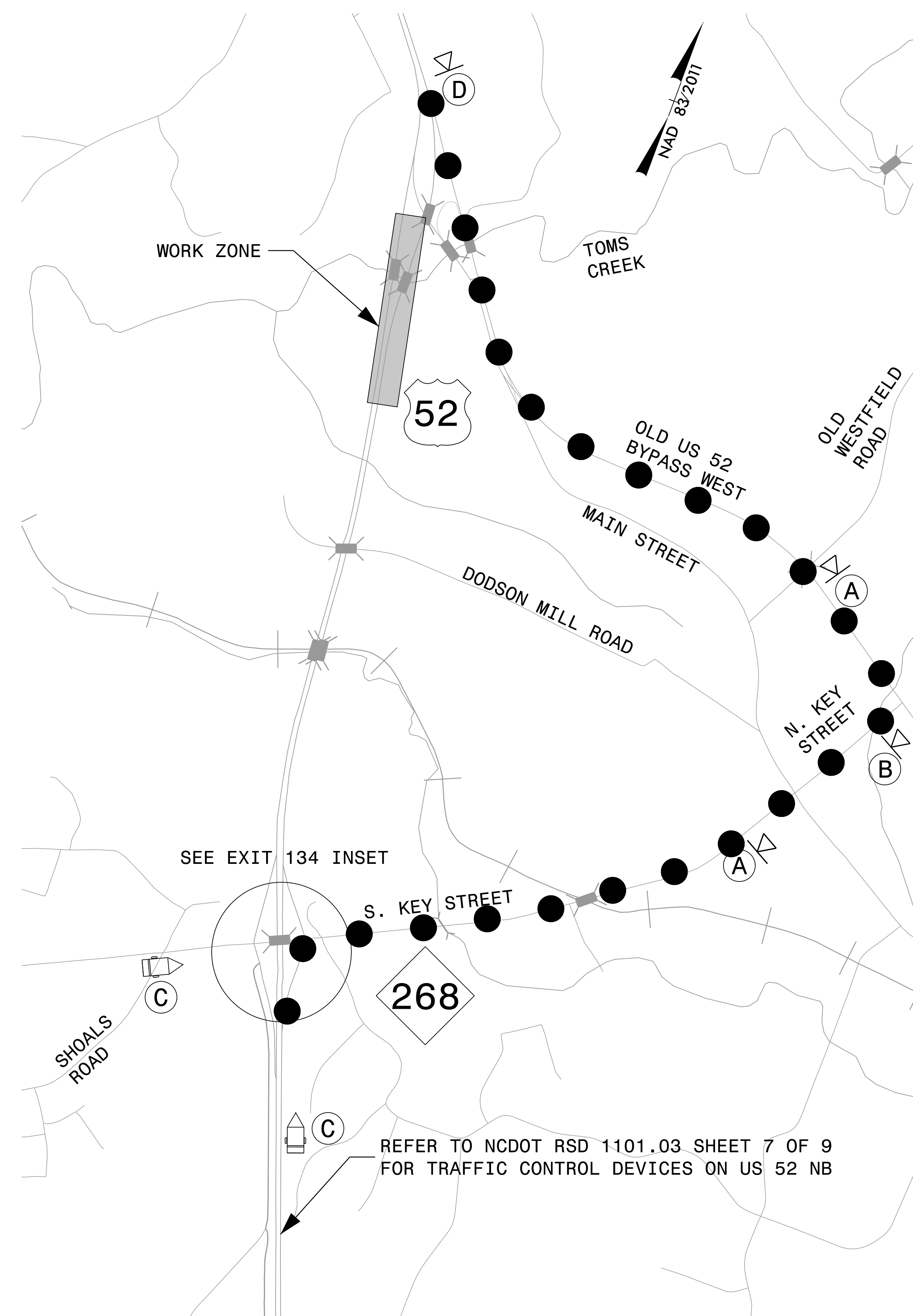


APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by: Jason T. Gaddy
 BAES084400BA986

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TYPICAL MEDIAN ACCESS DETAIL



REFER TO NCDOT RSD 1101.03 SHEET 7 OF 9 FOR TRAFFIC CONTROL DEVICES ON US 52 NB

SEE EXIT 134 INSET

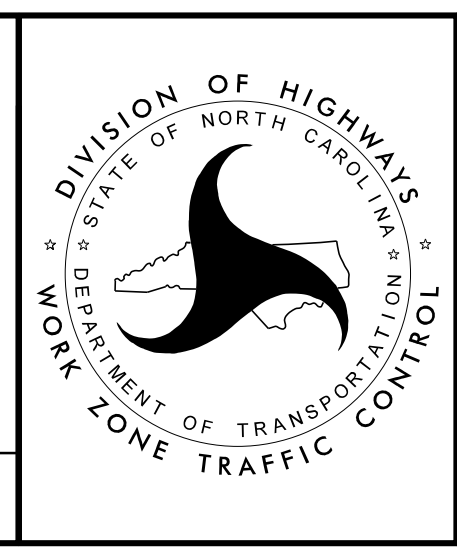
2/6/2024 X:\Raleigh\14-783,005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_02B.dgn gcarpenter



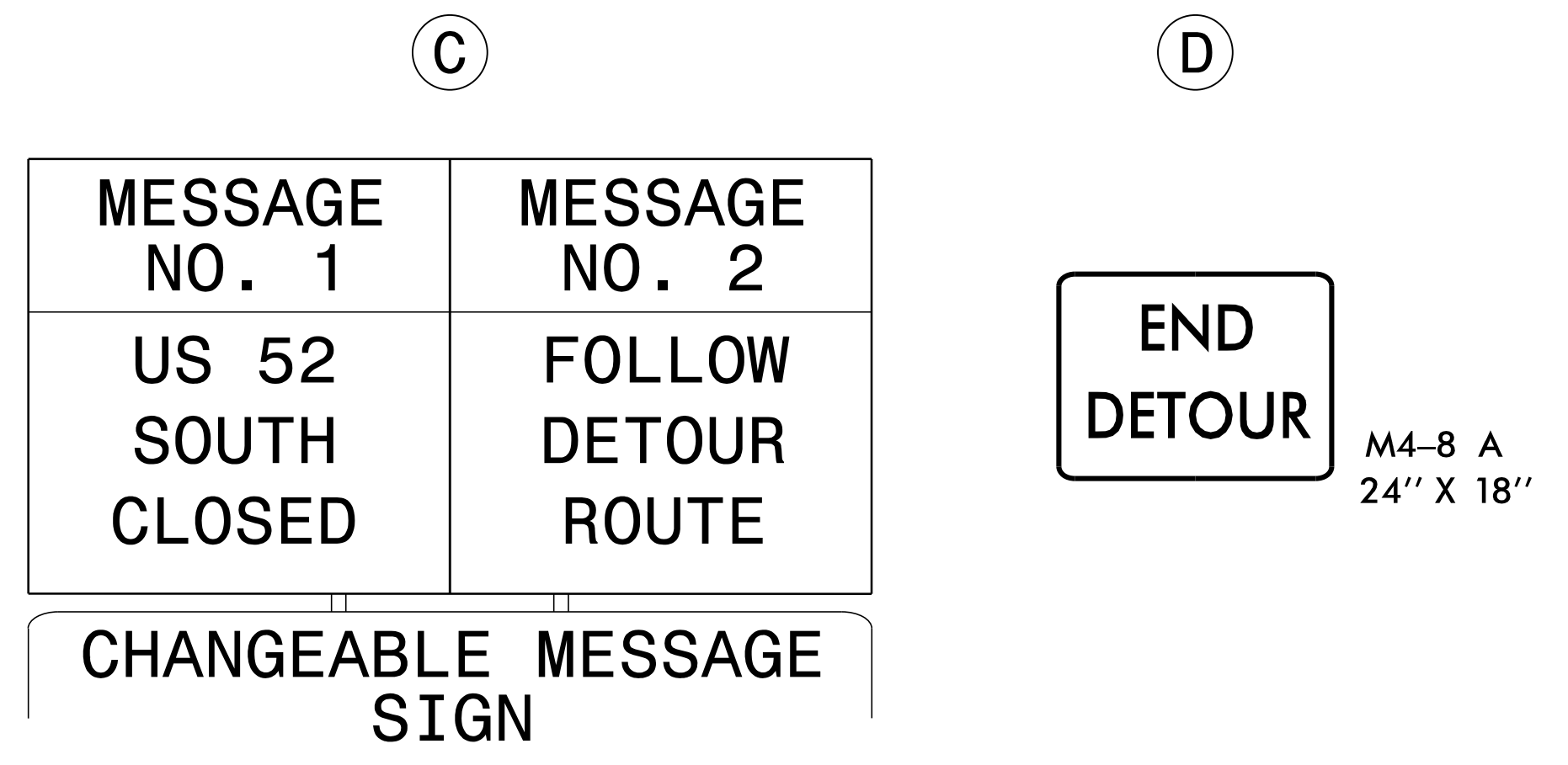
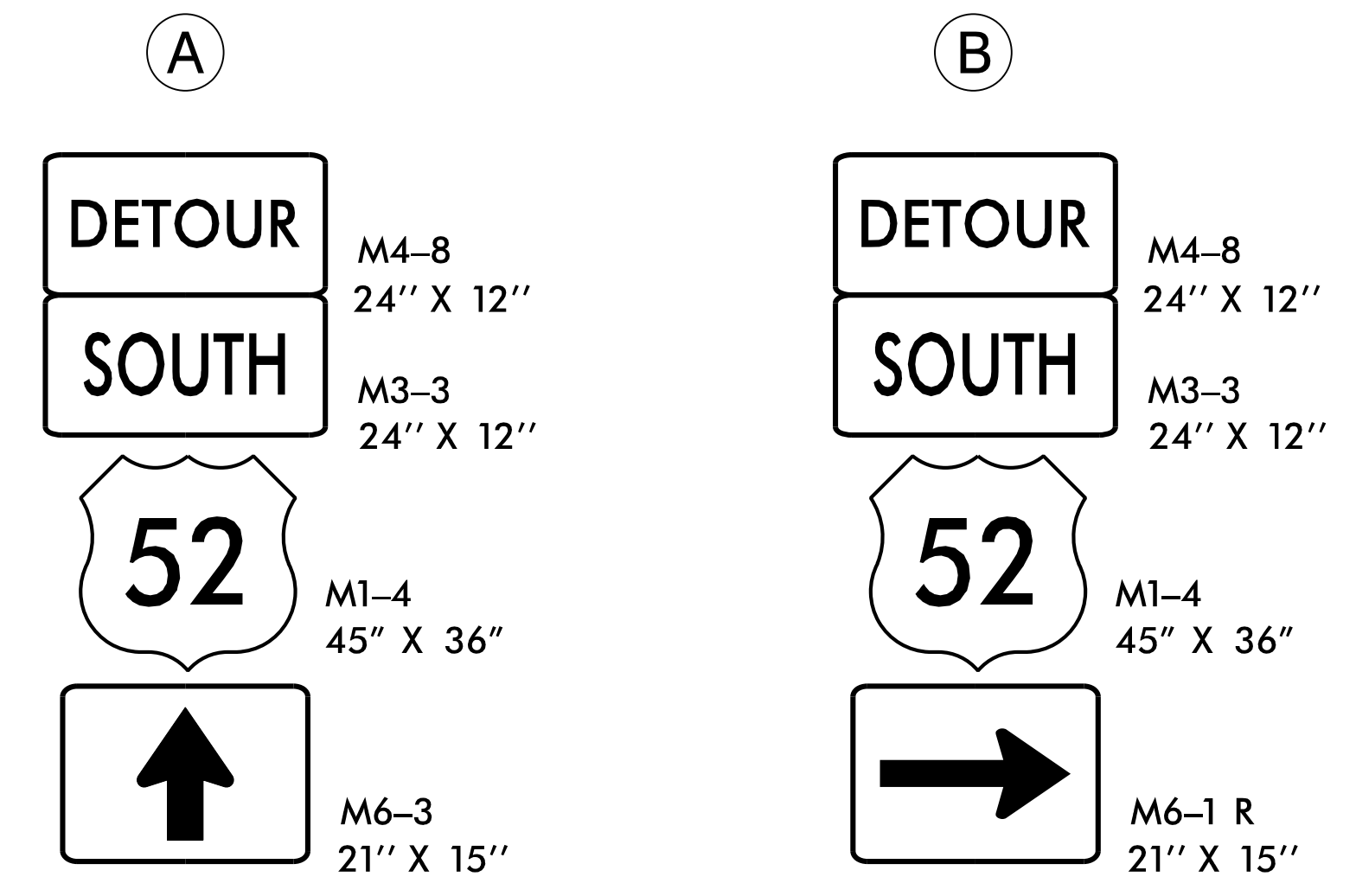
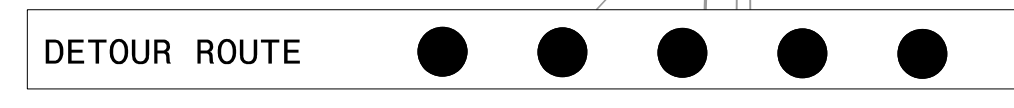
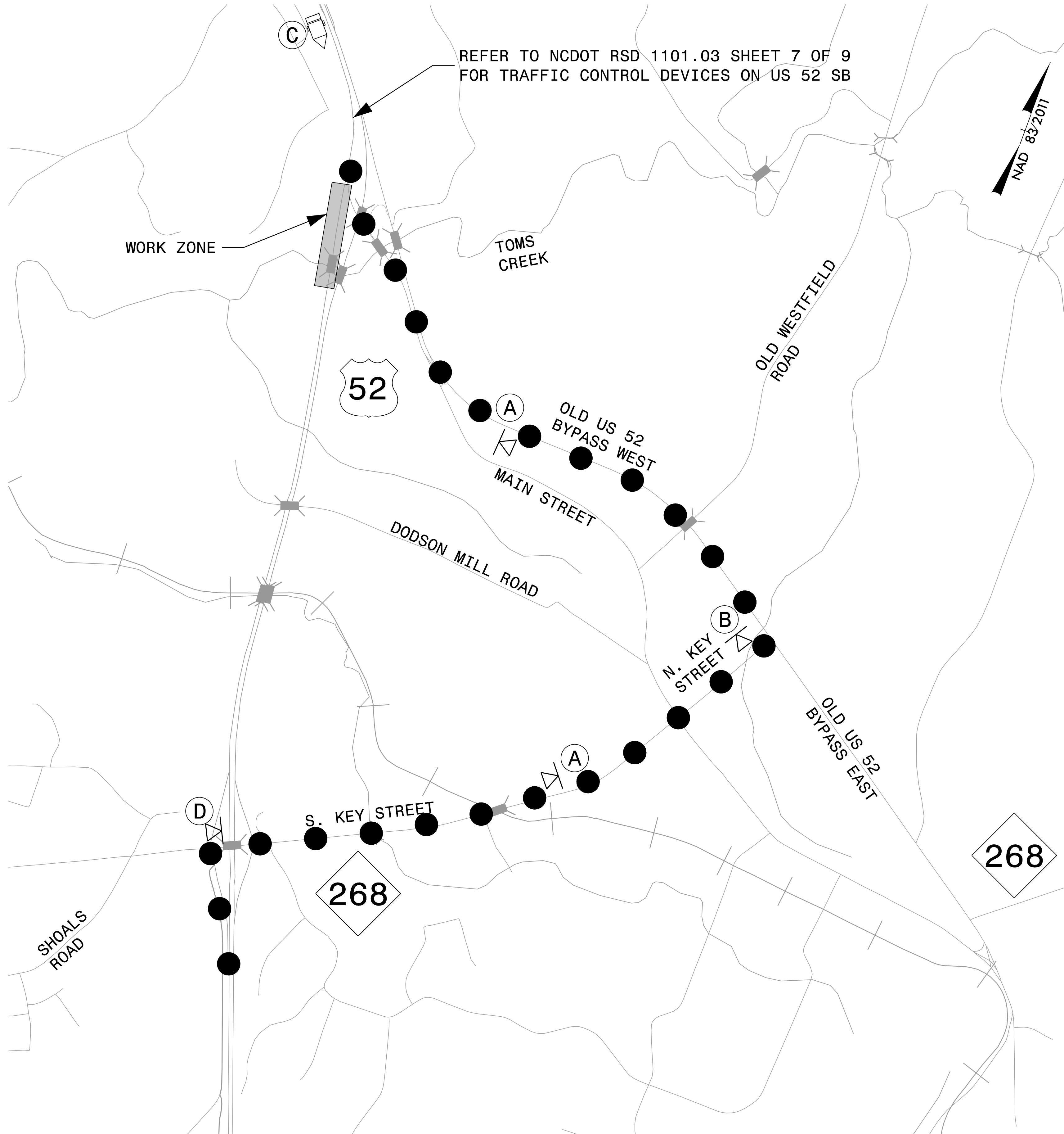
APPROVED: _____
DATE: 2/12/2024

DocuSigned by:
Jason T. Gaddy
BAE30844028A480

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



TEMPORARY TRAFFIC CONTROL
US 52 NB
DETOUR ROUTE

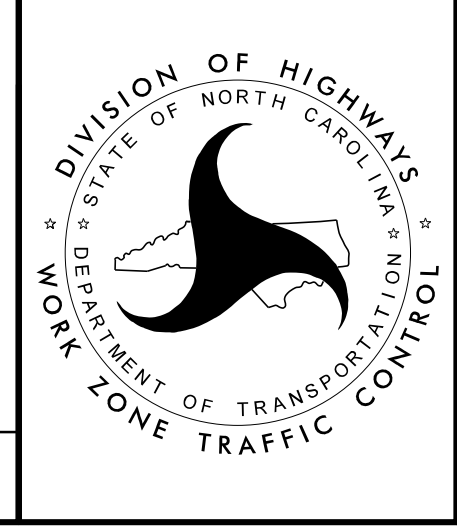


2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_02C.dgn
 gcaardentf

AMT A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-1049
 WWW.AMTENGINEERING.COM

APPROVED: _____
 DATE: 2/12/2024

 DocuSigned by:
 Jason T. Gaddy
 BAES084000A486



**TEMPORARY TRAFFIC CONTROL
 US 52 SB
 DETOUR ROUTE**

SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 5'-8" HEIGHT: 5'-6" TOTAL AREA: 30.3 Sq.-Ft. BORDER TYPE: INSET RECESS: 0" WIDTH: 0" RADIUS: 0" NO. 2 BARS: 2 LENGTH: 58.0	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL	DESIGN BY: J.Navarrete PROJECT ID: 15922 CHECKED BY: LOCATION:	Mar 14, 2018 DIV:WZTC
--	--	---	--------------------------

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
C O N S T	C 2000	20.5
V E H I C L E	C 2000	26.9
A C C E S S	C 2000	24.8

FILENAME: 15922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 5'-6" HEIGHT: 5'-6" TOTAL AREA: 30.3 Sq.-Ft. BORDER TYPE: INSET RECESS: 0" WIDTH: 0" RADIUS: 0" NO. 2 BARS: 2 LENGTH: 58.0	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL	DESIGN BY: J.Navarrete PROJECT ID: 15922 CHECKED BY: LOCATION:	Mar 14, 2018 DIV: DIV
--	--	---	--------------------------

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
T R U C K S	C 2000	24.8
E N T E R I N G /	C 2000	37.4
E X I T I N G	C 2000	23.6

FILENAME: 15922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.-Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. 2 BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL	DESIGN BY: J.Navarrete PROJECT ID: 15922 CHECKED BY: LOCATION:	Mar 14, 2018 DIV:WZTC
--	--	---	--------------------------

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
1/2 M I L E	C 2000	22.9
L E F T	C 2000	12.1

FILENAME: 15922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: WZTC TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 2'-6" TOTAL AREA: 7.5 Sq.-Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. 2 BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL	DESIGN BY: J.Navarrete PROJECT ID: 15922 CHECKED BY: LOCATION:	Mar 14, 2018 DIV:WZTC
--	--	---	--------------------------

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Spacing Factor is 1 unless specified otherwise

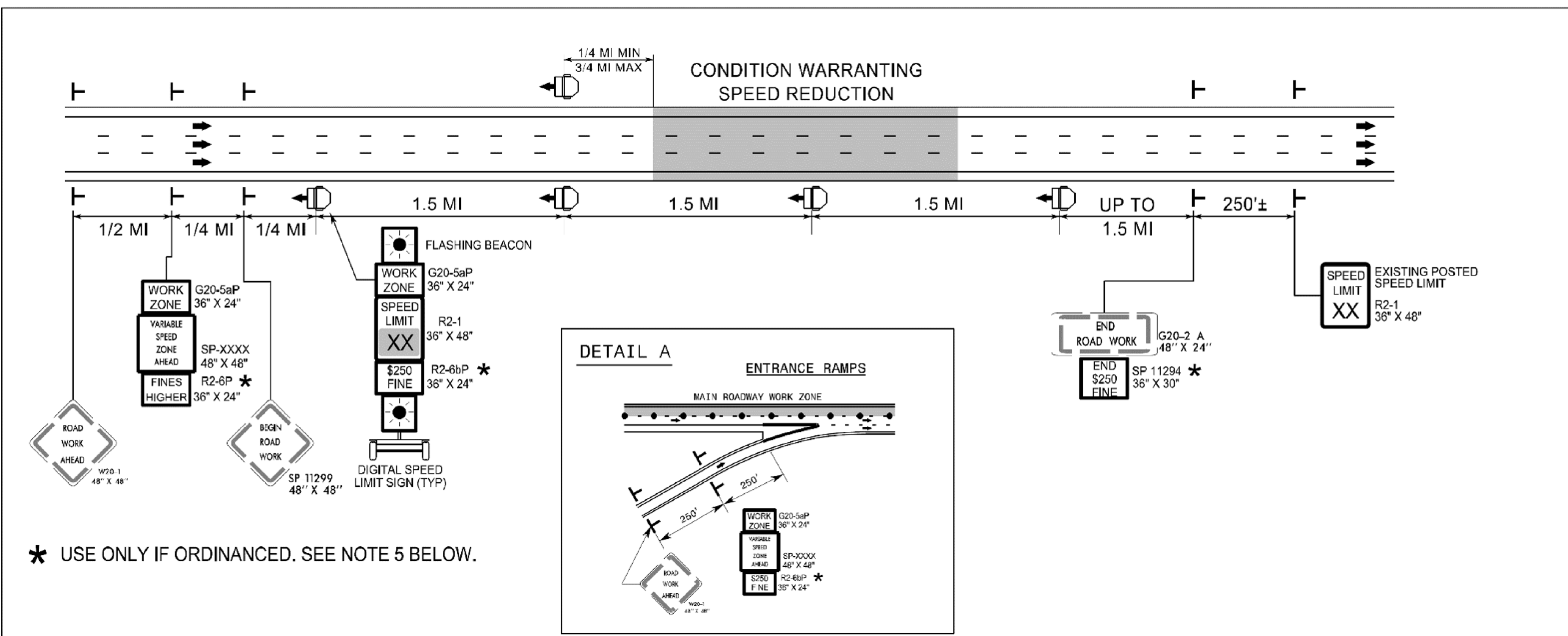
LETTER POSITIONS

Letter spacings are to start of next letter

Letter	Series/Size	Text Length
D O N O T	C 2000	21.6
F O L L O W	C 2000	20.9

FILENAME: 15922 Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

2/6/2024 X:\Raleigh\14-783,005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\CP\Sheets\B5527_TC_TMP_02D.dgn gcoarDentier



* USE ONLY IF ORDINANCED. SEE NOTE 5 BELOW.

NOTES

1. THE DIGITAL SPEED LIMITS SIGNS WILL BE INSTALLED (TRAILER MOUNTED OR STATIONARY MOUNTED) IN ADVANCE OF AND SPACED APPROXIMATELY 1.5 MILES THROUGHOUT THE THE PROJECT LIMITS, UNLESS DIRECTED OTHERWISE.
2. WITHIN 1/4 TO 3/4 MILE UPSTREAM OF CONDITION WARRANTING A SPEED REDUCTION, PLACE A DIGITAL SPEED LIMIT SIGN ON BOTH THE INSIDE AND OUTSIDE SHOULDERS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER. AT ALL OTHER LOCATIONS DOWNSTREAM, PLACE A SINGLE DIGITAL SPEED LIMIT SIGN ON THE OUTSIDE SHOULDER.
IF SIGNS ARE NOT HIGHLY VISIBLE TO ALL MOTORISTS, SUPPLEMENTAL DIGITAL SPEED LIMIT SIGNS ARE PERMITTED ON THE MEDIAN SHOULDER.
3. THE DIGITAL SPEED LIMIT SIGNS TAKE PRECEDENCE OVER EXISTING SPEED LIMIT SIGNS AND SHOULD REMAIN UPRIGHT AND VISIBLE AT ALL TIMES. ALL EXISTING SPEED LIMIT SIGNS SHALL BE COVERED OR REMOVED FOR DURATION OF THE PROJECT.
4. NCDOT HAS SOLE AUTHORITY OF THE SPEED LIMITS DISPLAYED ON THE DIGITAL SPEED LIMIT SIGNS.
5. THE WORK ZONE VARIABLE SPEED LIMIT AND THE \$250 SPEEDING PENALTY ARE SEPARATE ORDINANCES THAT MUST BE SIGNED BY THE STATE TRAFFIC ENGINEER TO BE VALID AND ENFORCEABLE. WITHOUT SIGNED ORDINANCES, THE SPEED LIMIT ON A FACILITY SHALL REMAIN UNCHANGED AND/OR HIGHER FINES SIGNS SHALL NOT BE USED.
6. THE REDUCED SPEED SHALL BE DISPLAYED A MINIMUM OF 1/4 MILE AND A MAXIMUM OF 3/4 MILE IN ADVANCE OF AND THROUGHOUT THE AREA MEETING CONDITIONS LISTED IN THE CHART. THE EXISTING SPEED LIMIT SHALL BE DISPLAYED ON ALL OTHER DIGITAL SPEED LIMIT SIGNS.
7. THE SPEED DISPLAYED SHALL BE THE LOWER OF THE EXISTING SPEED LIMIT OR THE SPEED IN THE WORK ZONE CONDITION CHART.
8. THE BEACONS ON THE DIGITAL SPEED LIMIT SIGNS SHALL ONLY FLASH DURING TIMES THE SPEED IS REDUCED, AND REMAIN OFF AT ALL OTHER TIMES.

	WORK ZONE CONDITIONS	SPEED TO DISPLAY (SEE NOTE 6 & 7)
LANE CLOSURES	2 LANES REDUCED TO 1 LANE	55
	3 LANES REDUCED TO 1 LANE	55
	3 LANES REDUCED TO 2 LANES	60
	4 LANES REDUCED TO 1 LANE	55
	4 LANES REDUCED TO 2 LANES	60
	4 LANES REDUCED TO 3 LANES	65
CONTINUOUS BARRIER (LENGTH OF BARRIER GREATER THAN 1 MILE)	1 OPEN LANE WITH CONTINUOUS BARRIER ON BOTH SHOULDERS	55
	1 OPEN LANE WITH CONTINUOUS BARRIER ON 1 SHOULDER	60
	3 OR 2 OPEN LANES WITH CONTINUOUS BARRIER ON BOTH SHOULDERS	60
	3 OR 2 OPEN LANES WITH CONTINUOUS BARRIER ON 1 SHOULDER	65
	4 OPEN LANES WITH BARRIER CONTINUOUS ON BOTH SHOULDERS	65
	4 OPEN LANES WITH BARRIER CONTINUOUS ON 1 SHOULDER	EXISTING
	UNEVEN LANES	60

2/6/2024 X:\Raleigh\14-783,005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_02E.dgn gcoar\pnter

APPROVED: _____
DATE: 2/12/2024
Digitally signed by Jason T. Gaddy
BAES06400B488



WORK ZONE DIGITAL SPEED LIMIT SIGN

PHASING

PROJ. REFERENCE NO.	SHEET NO.
B-5527	TMP-3

COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED AND TEMPORARY DRAINAGE MEASURES.

ALL REFERENCES TO CONSTRUCTION INCLUDE PAVING UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE UNLESS SPECIFICALLY CALLED FOR.

PROVIDE CONSTRUCTION VEHICLE INGRESS/EGRESS FROM NB AND SB SIDES OF BRIDGE DURING EACH CONSTRUCTION PHASE BY ONE OR BOTH OF THE FOLLOWING METHODS:

- PLACE TEMPORARY SHOULDER WIDENING OF ADEQUATE ACCEL/DECEL LENGTHS FOR CONSTRUCTION VEHICLES TO MERGE/DIVERGE WITH TRAFFIC (REFER TO TMP-2A "TYPICAL MEDIAN ACCESS DETAIL AND RSD 1101.05 WORK ZONE VEHICLE ACCESSES" AS APPLICABLE)
- UTILIZE RSD 1101.02 SHEET 4 OF 19 IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS FOR TEMPORARY LANE CLOSURES ON US 52 TO PROVIDE ADEQUATE ACCEL/DECEL FOR CONSTRUCTION VEHICLES MERGING/DIVERGING WITH TRAFFIC

PHASE 1:

STEP 1:

INSTALL ADVANCE WORK ZONE WARNING SIGNS ACCORDING TO RSD 1101.01 SHEET 1 OF 3.

USING RSD 1101.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-4 AND TMP-5:

- WIDEN EXISTING PAVED SHOULDER ALONG US 52 SB SUFFICIENT WIDTH (7.5' PS MIN) TO ACCOMMODATE UNANCHORED PCB PLACEMENT AND DEFLECTION
- REMOVE PORTIONS OF EXISTING GUIDERAIL, INSTALL PCB, TEMP CRASH CUSHIONS, TEMP GUARDRAIL, AND TIE TO EXISTING TO MAINTAIN POSITIVE MEDIAN PROTECTION

STEP 2:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, CONSTRUCT DETOUR BRIDGE AND PROPOSED -SB DET- ALIGNMENT INCLUDING BUT NOT LIMITED TO GRADING, PAVEMENT, PAVEMENT MARKINGS/MARKERS, AND TEMPORARY GUARDRAIL, AS SHOWN ON SHEETS TMP-4 AND TMP-5

STEP 3:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS PERFORM THE FOLLOWING AS SHOWN ON TMP-4 AND TMP-5:

- REMOVE AND RESET PCB AS REQUIRED TO COMPLETE THE TIE IN OF -SB DET- TO EXISTING US 52 SB WEDGE AS REQUIRED ALONG EXISTING US 52 SB TO PROVIDE SMOOTH TRANSITIONS ALONG EXISTING LANES AND ONTO -SB DET-

PHASE 2

STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 SB LANES AS SHOWN ON SHEET TMP-2C IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 2, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 2:

RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEETS TMP-6 AND TMP-7 OPEN UP US 52 SB LANES TO NEW TRAFFIC PATTERN

STEP 3:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-6 AND TMP-7, ROADWAY PLANS, AND STRUCTURE PLANS:

- REMOVE EXISTING US 52 SB BRIDGE
- CONSTRUCT PROPOSED -LSB- US 52 SB BRIDGE
- CONSTRUCT PROPOSED -LSB- US 52 SB ROADWAY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE

PHASE 3

STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 SB LANES AS SHOWN ON SHEET TMP-2C IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 3, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 2:

REMOVE/RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEET TMP-8 AND TMP-9 OPEN UP US 52 SB LANES TO FINAL TRAFFIC PATTERN

STEP 3:

USING RSD 11.01.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-8 AND TMP-9:

- WIDEN EXISTING PAVED SHOULDER ALONG US 52 NB SUFFICIENT WIDTH (7.5" PS MIN) TO ACCOMMODATE UNANCHORED PCB PLACEMENT AND DEFLECTION
- INSTALL/RESET PCB AND TEMP CRASH CUSHIONS
- MODIFY EXISTING GUARDRAIL/GUIDERAIL AS REQUIRED TO MAINTAIN POSITIVE MEDIAN PROTECTION
- VARIABLE DEPTH MILLING AND WEDGING ALONG SB US 52 TO OBTAIN FINAL PAVEMENT ELEVATION, UP TO BUT NOT INCLUDING FINAL SURFACE COURSE

STEP 4:

AWAY FROM TRAFFIC AND BEHIND BARRIER PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-8 AND TMP-9 AND ROADWAY PLANS:

- CONSTRUCT PROPOSED -NB DET- ALIGNMENT INCLUDING BUT NOT LIMITED TO GRADING, PAVEMENT, PAVEMENT MARKINGS/MARKERS, AND TEMPORARY GUARDRAIL
- TIE -NB DET- INTO EXISTING DETOUR BRIDGE
- REMOVE EXISTING -SB DET- PAVEMENT

STEP 5:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS PERFORM THE FOLLOWING AS SHOWN ON TMP-8 AND TMP-9:

- REMOVE AND RESET PCB AS REQUIRED TO COMPLETE THE TIE IN OF -NB DET- TO EXISTING US 52 NB
- WEDGE AS REQUIRED ALONG EXISTING US 52 NB TO PROVIDE SMOOTH TRANSITIONS ALONG EXISTING LANES AND ONTO -NB DET-

PHASE 4

STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 NB LANES AS SHOWN ON SHEET TMP-2B IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 4, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 2:

RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEETS TMP-10 AND TMP-11 OPEN UP US 52 NB LANES TO NEW TRAFFIC PATTERN

STEP 3:

AWAY FROM TRAFFIC AND BEHIND BARRIER/GUARDRAIL, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-10 AND TMP-11, ROADWAY PLANS, AND STRUCTURE PLANS:

- REMOVE EXISTING US 52 NB BRIDGE
- CONSTRUCT PROPOSED -LNB- US 52 NB BRIDGE
- CONSTRUCT PROPOSED -LNB- US 52 NB ROADWAY IMPROVEMENTS UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE

STEP 4:

USING RSD 1101.02 SHEETS 4 OF 19 FOR TEMPORARY LANE CLOSURES AS NEEDED, IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PROVIDE VARIABLE DEPTH WEDGING ON US 52 NB AS SHOWN ON SHEET TMP-10 IN ORDER TO PROVIDE SMOOTH TRANSITION FOR FUTURE PHASE 5 TRAFFIC PATTERN WHILE MAINTAINING PHASE 4 TRAFFIC PATTERN. BRING UP THE PAVEMENT UNIFORMLY, RESETTING PCB AS REQUIRED TO TIE IN.

PHASE 5

STEP 1:

IMPLEMENT OFFSITE DETOUR AND TEMPORARY NIGHTTIME CLOSURE OF US 52 NB LANES AS SHOWN ON SHEET TMP-2B IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS COMPLETE THE REQUIREMENTS OF PHASE 5, STEP 2 WITHIN A SINGLE WORK PERIOD BETWEEN THE HOURS OF 11:00 PM AND 6:00 AM (SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 2:

REMOVE/RESET PCB, INSTALL TEMPORARY PAVEMENT MARKINGS, AND REMOVE EXISTING CONFLICTING MARKINGS AS SHOWN ON SHEET TMP-12 AND TMP-13 OPEN UP US 52 NB LANES TO FINAL TRAFFIC PATTERN

STEP 3:

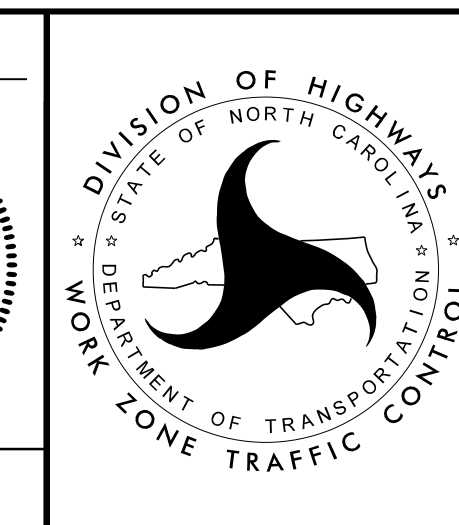
USING RSD 11.01.02 SHEET 4 OF 19 FOR TEMPORARY LANE CLOSURES IN ACCORDANCE WITH PROJECT TIME RESTRICTIONS, PERFORM THE FOLLOWING AS SHOWN ON SHEETS TMP-12 AND TMP-13:

- VARIABLE DEPTH MILLING AND WEDGING ALONG NB US 52 TO OBTAIN FINAL PAVEMENT ELEVATION, UP TO BUT NOT INCLUDING FINAL SURFACE COURSE
- REMOVAL OF EXISTING -NB DET- ALIGNMENT
- REMOVAL OF EXISTING DETOUR BRIDGE
- FINAL GRADING AND PROPOSED IMPROVEMENTS IN THE MEDIAN
- FINAL SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS AND MARKERS
- REMOVE ANY REMAINING TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC

2/6/2024 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\CP\Sheets\B5527_TC_TMP_03.dgn gcarriente



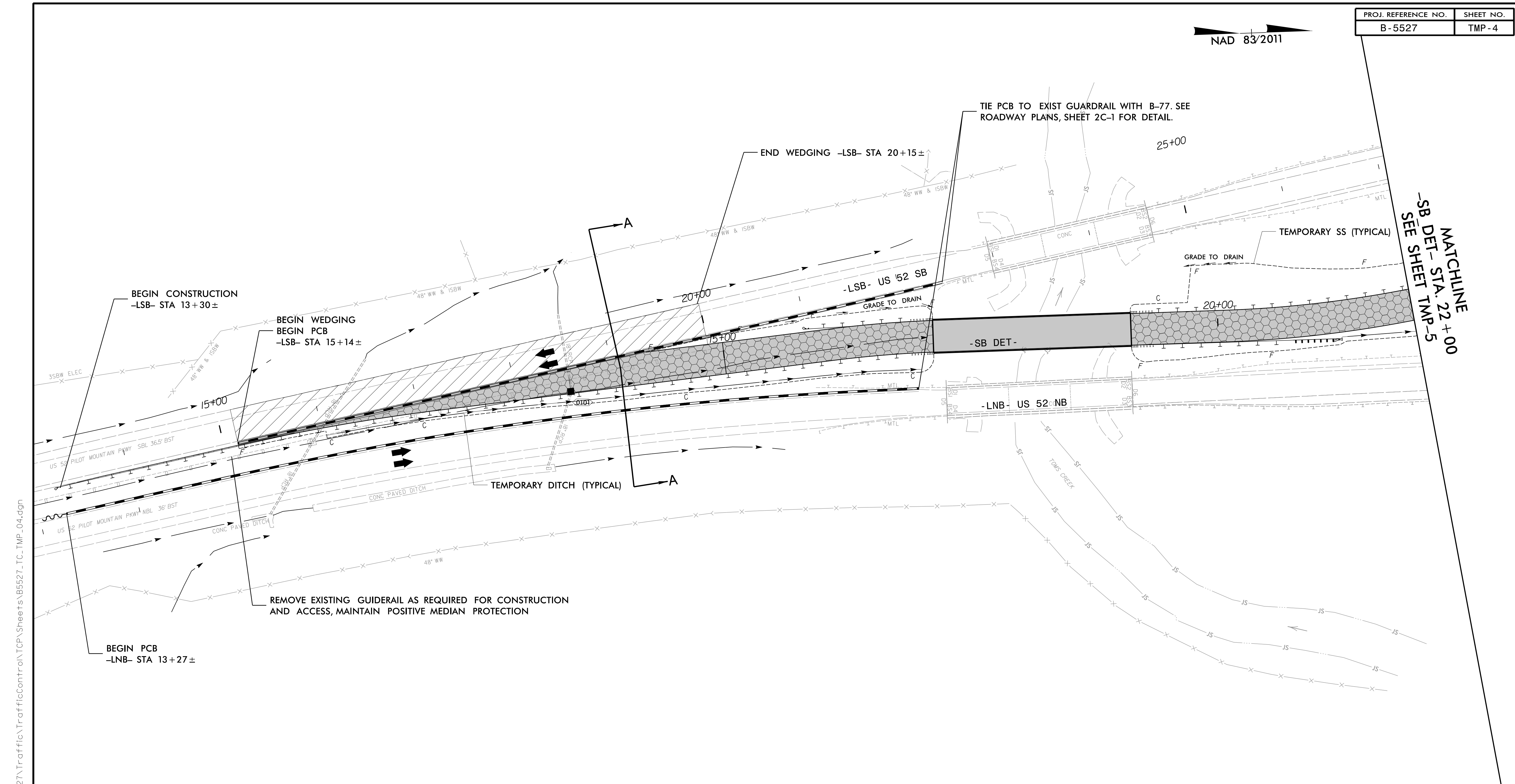
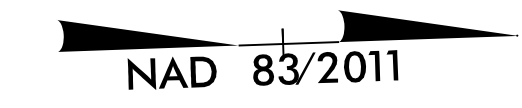
APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by: Jason T. Gaddy
 BAES064400BA86



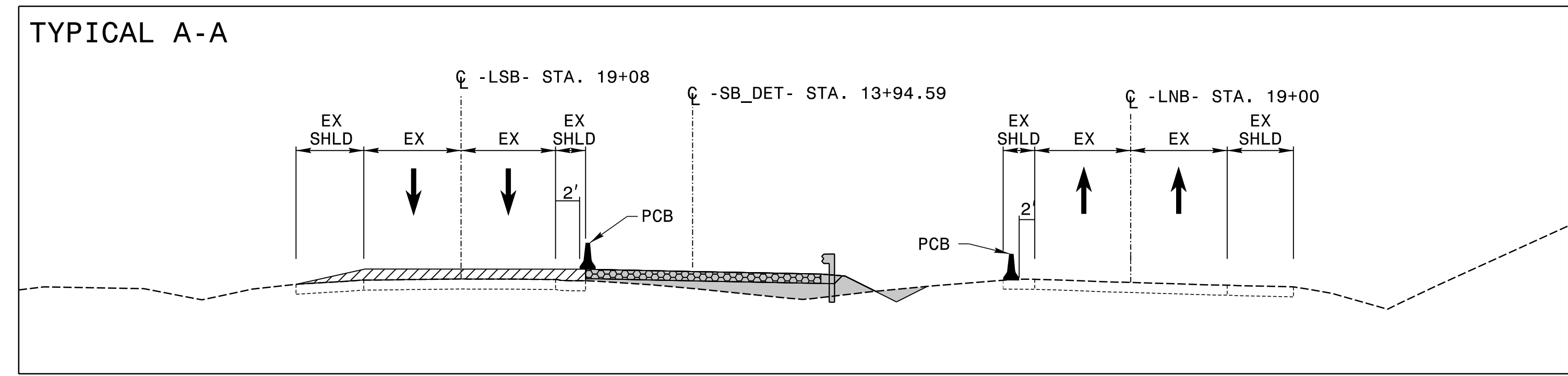


**TRANSPORTATION
OPERATIONS
PLAN**

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_04.dgn
 gcarpentier

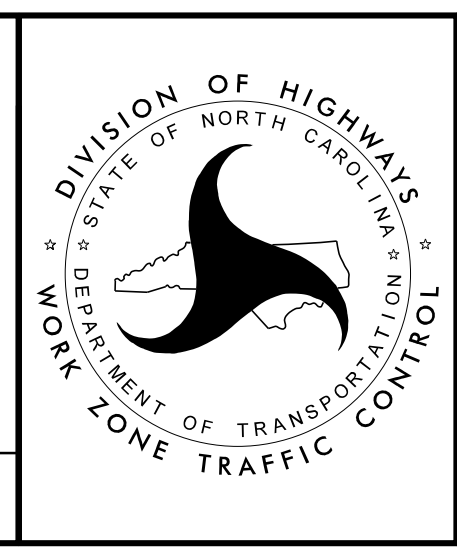


APPROVED: _____

DATE: 2/12/2024

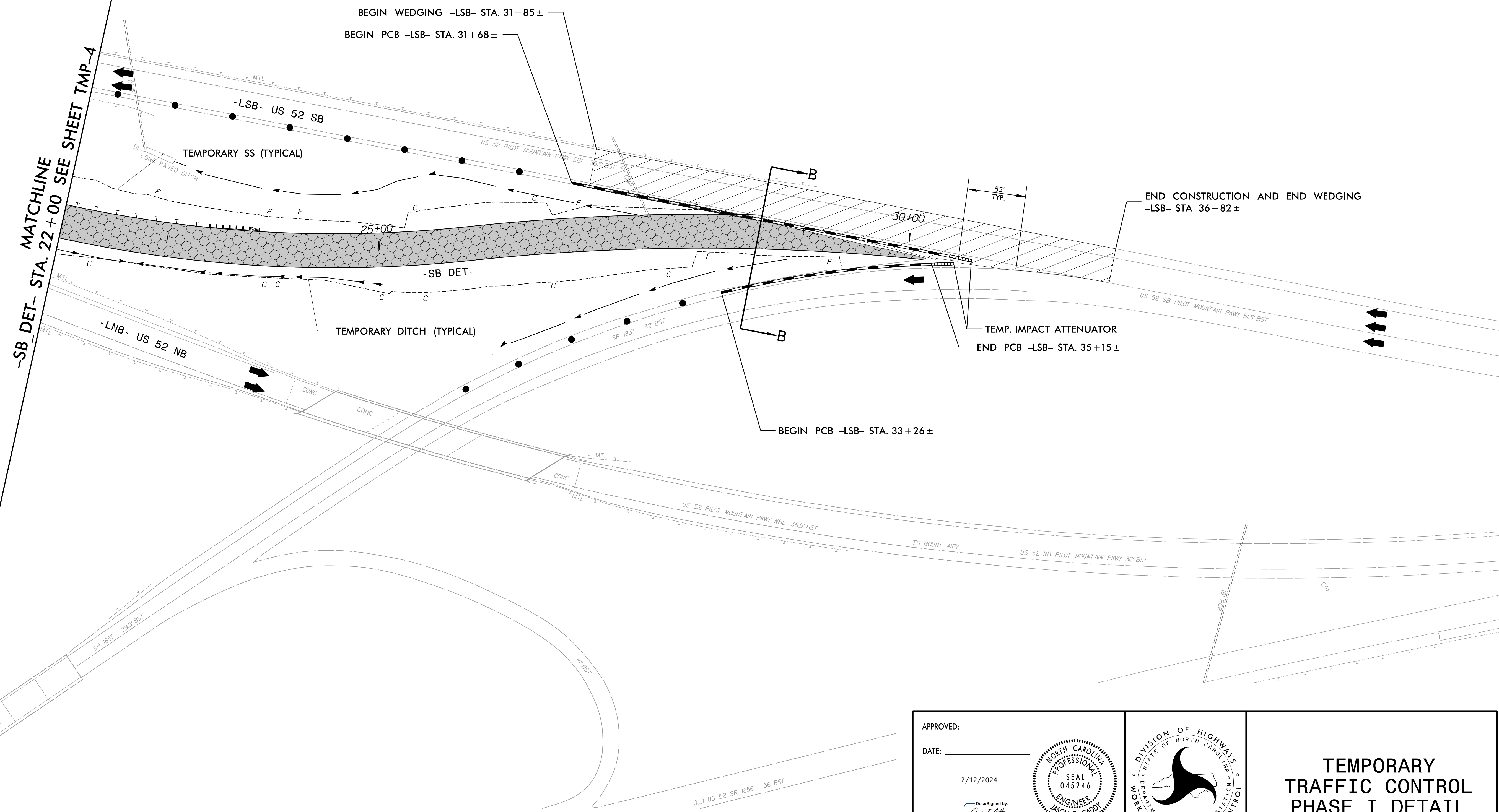
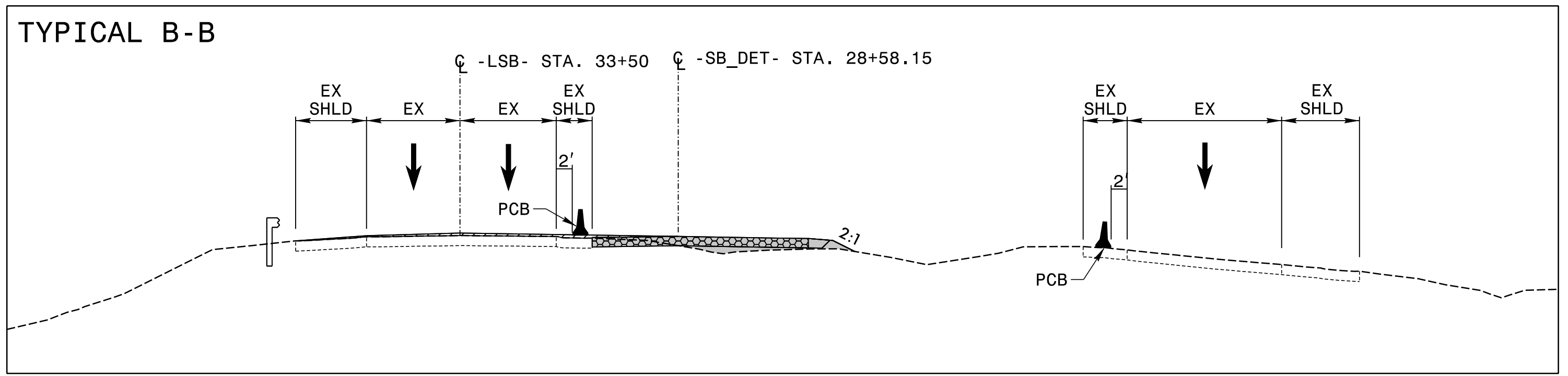
DocuSigned by:
Jason T. Gaddy
BAE5064400B486

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY
TRAFFIC CONTROL
PHASE I DETAIL**

PROJ. REFERENCE NO.	SHEET NO.
B-5527	TMP-5



MATCHLINE
-SB_DET- STA. 22+00 SEE SHEET TMP-4

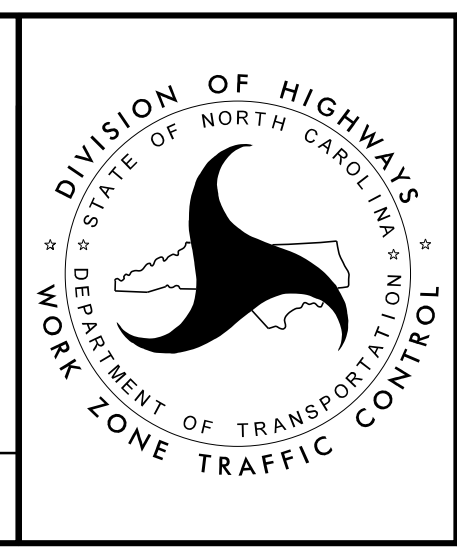
2/6/2024
X:\Raleigh\14-783\005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_05.dgn
gcarpenter

AMT A. MORTON THOMAS AND ASSOCIATES, INC.
900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
(919) 855-9989 • NC LICENSE NO. F-1049
WWW.AMTENGINEERING.COM

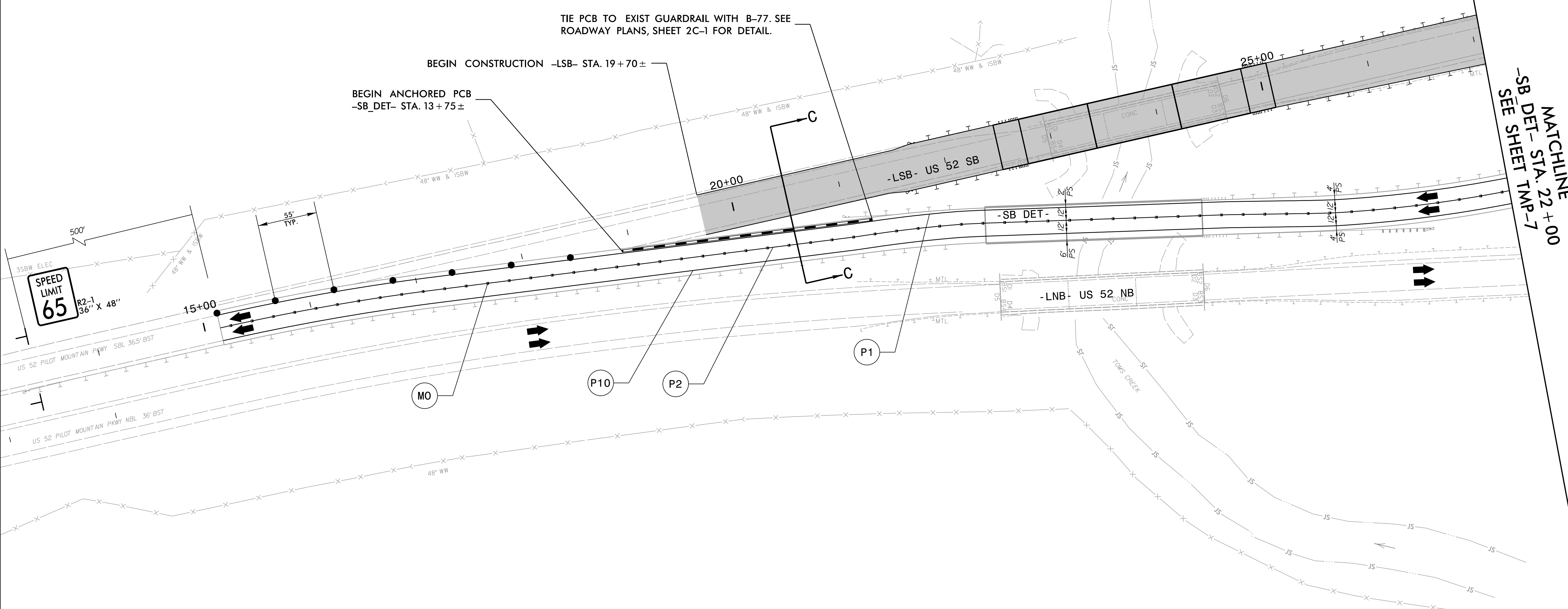
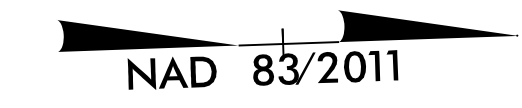
APPROVED: _____
DATE: 2/12/2024

DocuSigned by:
Jason T. Gaddy
BAE5D8400BA488

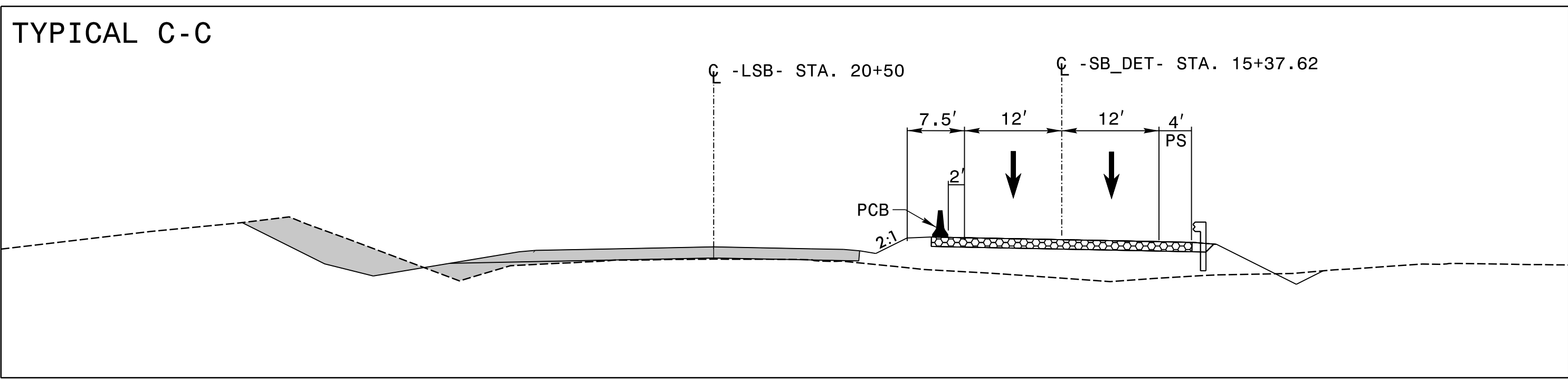
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY
TRAFFIC CONTROL
PHASE I DETAIL**



MATCHLINE
 -SB_DET- STA. 22+00
 SEE SHEET TMP-7



2/6/2024
 X:\Raleigh\14-783,005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_06.dgn
 gcarpenter

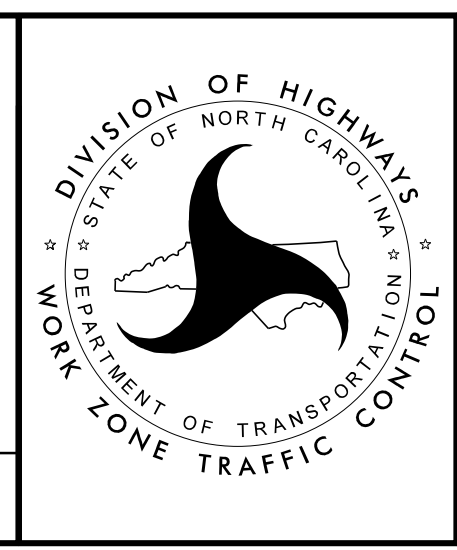
AMT
 A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-16149
 WWW.AMTEENGINEERING.COM

APPROVED: _____

DATE: 2/12/2024

DocuSigned by:
Jason T. Gaddy
 BAES064400BA98...

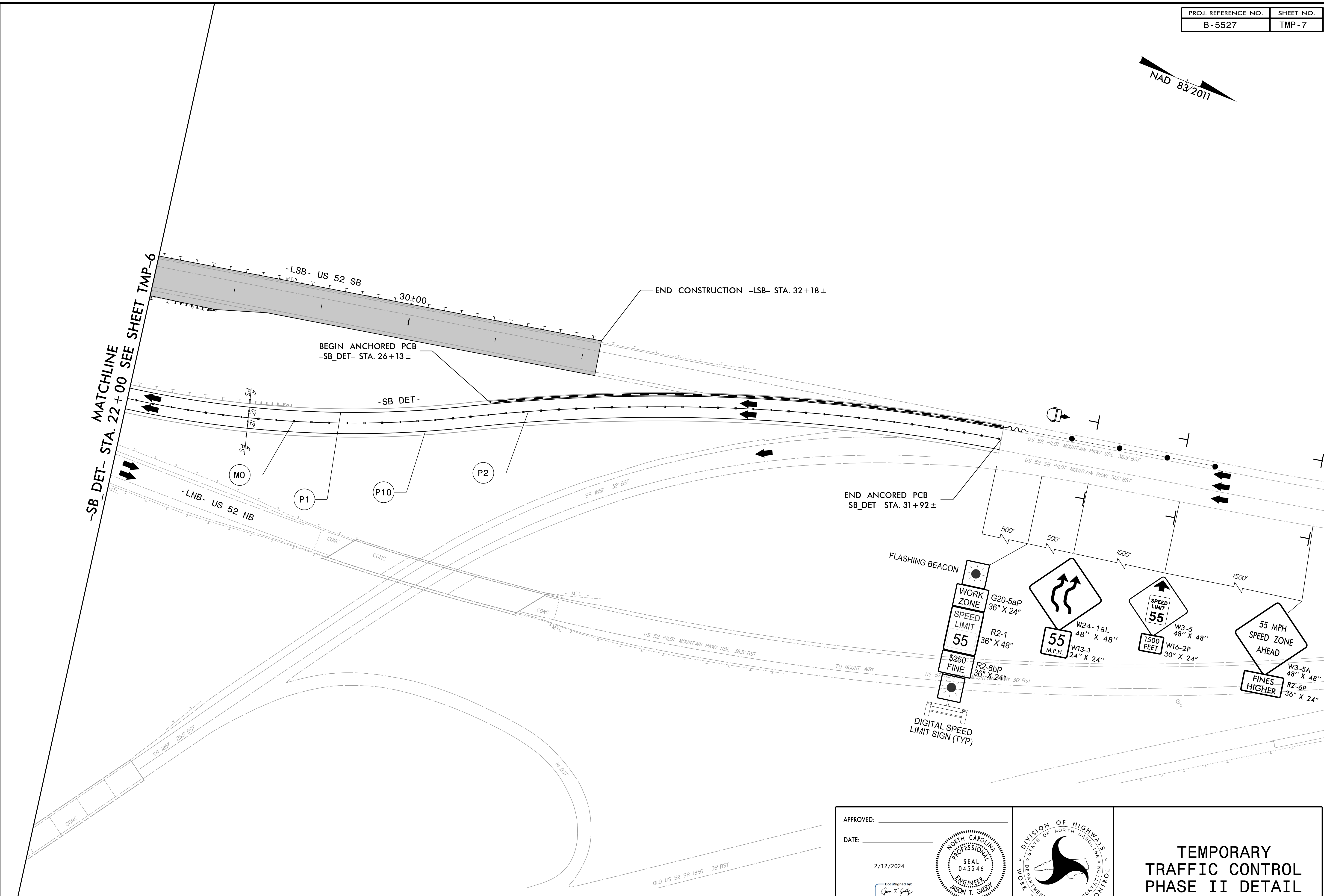
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY
 TRAFFIC CONTROL
 PHASE II DETAIL**



MATCHLINE
 -SB_DET- STA. 22+00 SEE SHEET TMP-6

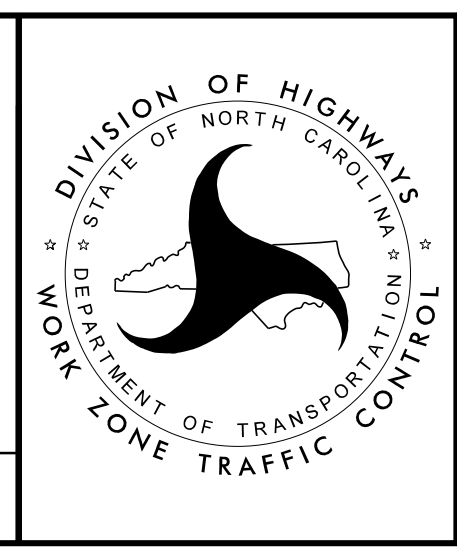


2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_07.dgn
 gcarpenter

AMT
 A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-1049
 WWW.AMTENGINEERING.COM

APPROVED: _____
 DATE: 2/12/2024

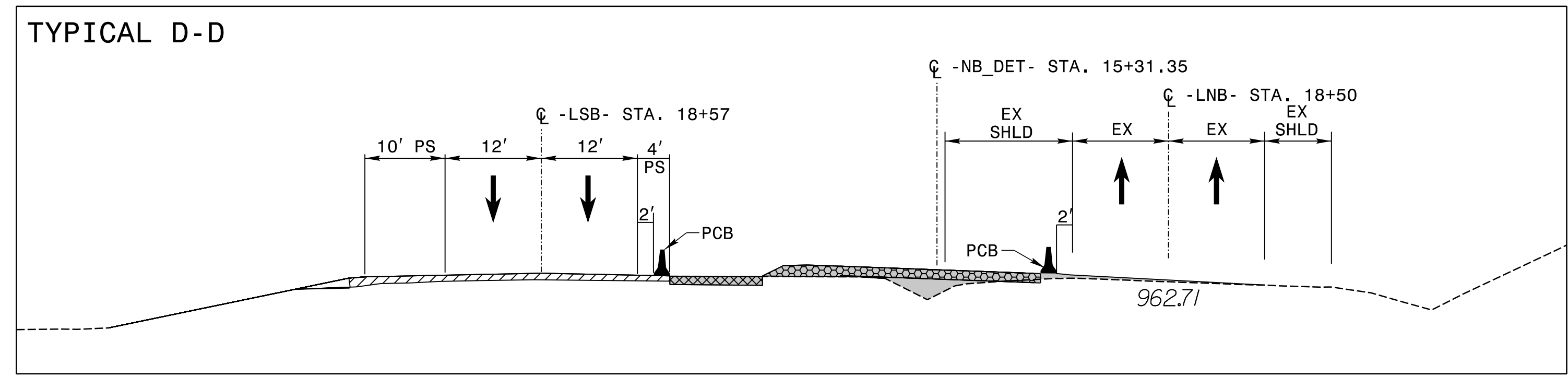
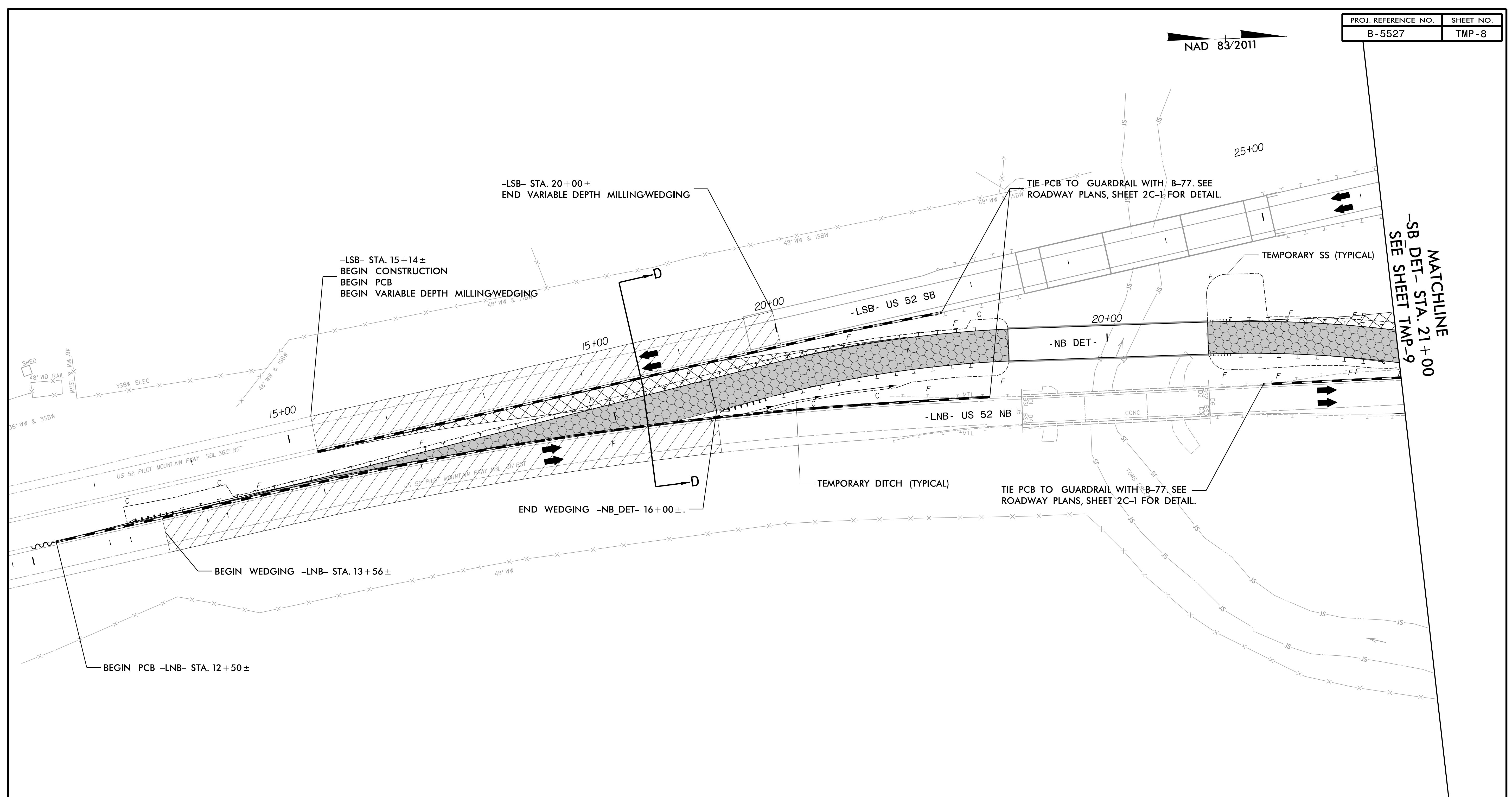
 Jason T. Gaddy
 PROFESSIONAL ENGINEER
 BAE5DR44008A468



**TEMPORARY
 TRAFFIC CONTROL
 PHASE II DETAIL**

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

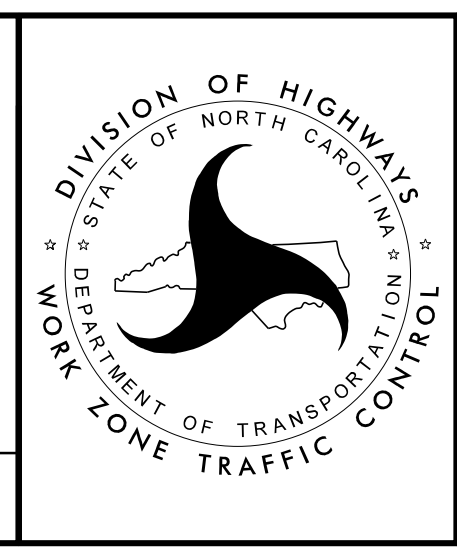
NAD 83/2011



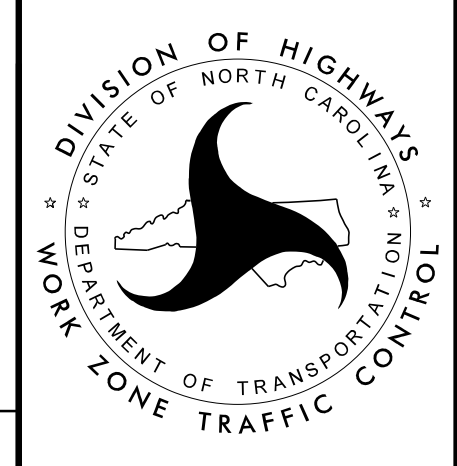
2/6/2024 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_08.dgn gcarpenter

AMT A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-1049
 WWW.AMTEngineering.COM

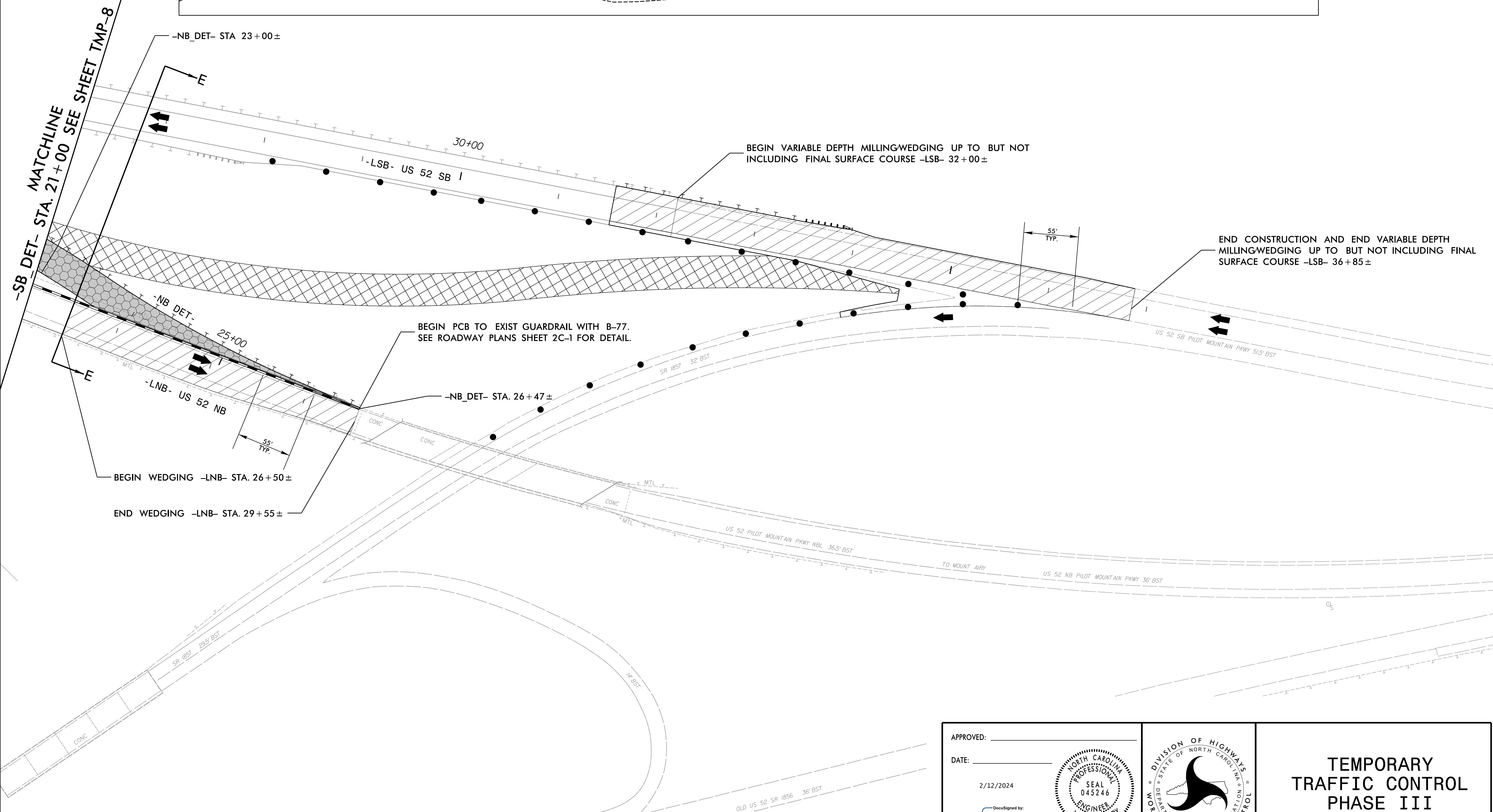
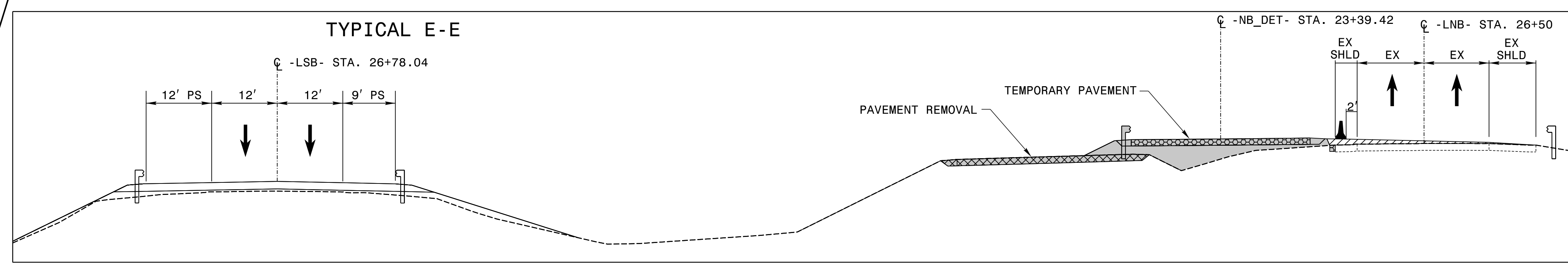
APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by: Jason T. Gaddy
 BAE9D6400B486



TEMPORARY TRAFFIC CONTROL PHASE III DETAIL



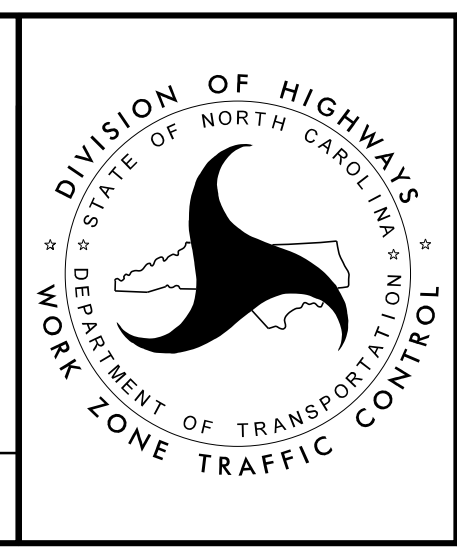
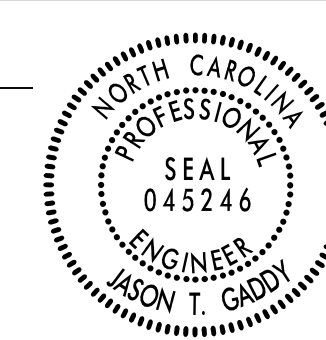
PROJ. REFERENCE NO.	SHEET NO.
B-5527	TMP-9



2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\CP\Sheets\B5527_TC_TMP_09.dgn
 gcarpenter

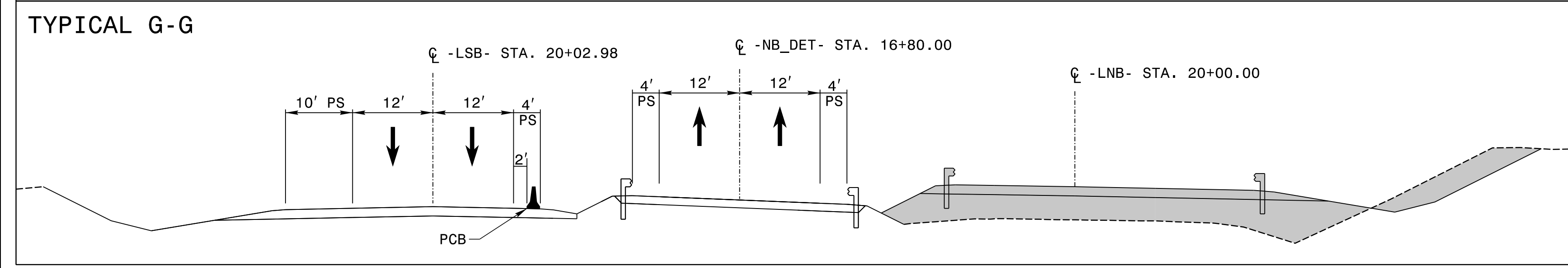
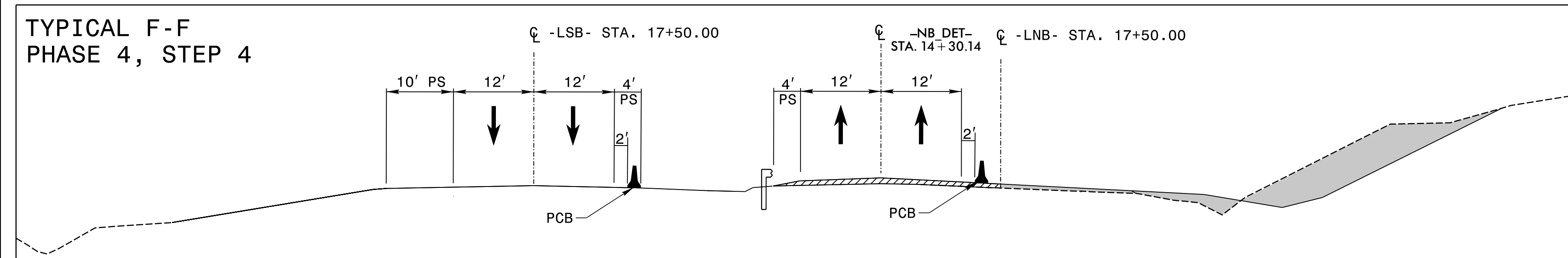
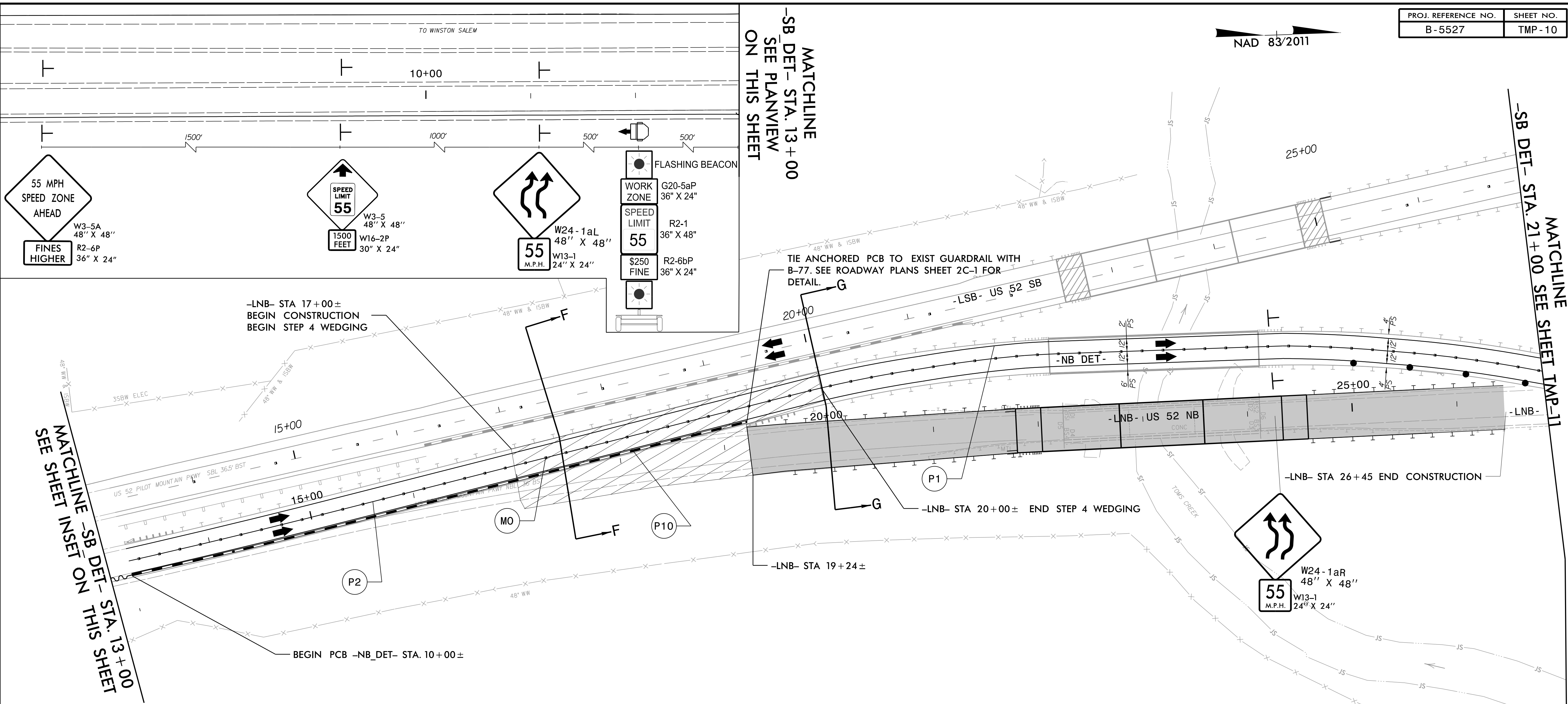
AMT
 A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-1049
 WWW.AMTENGINEERING.COM

APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by:
 Jason T. Gaddy
 EAES0044000A88



**TEMPORARY
 TRAFFIC CONTROL
 PHASE III
 DETAIL**

NAD 83/2011



2/6/2024 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\CP\Sheets\B5527_TC_TMP_10.dgn

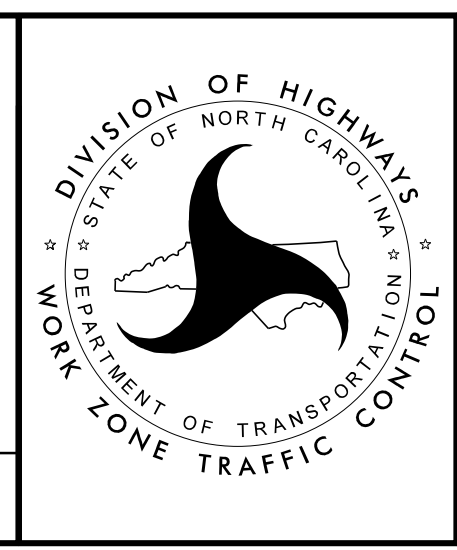
AMT A. MORTON THOMAS AND ASSOCIATES, INC.
900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
(919) 855-9989 • NC LICENSE NO. F-1049
WWW.AMTEngineering.COM

APPROVED: _____
DATE: 2/12/2024

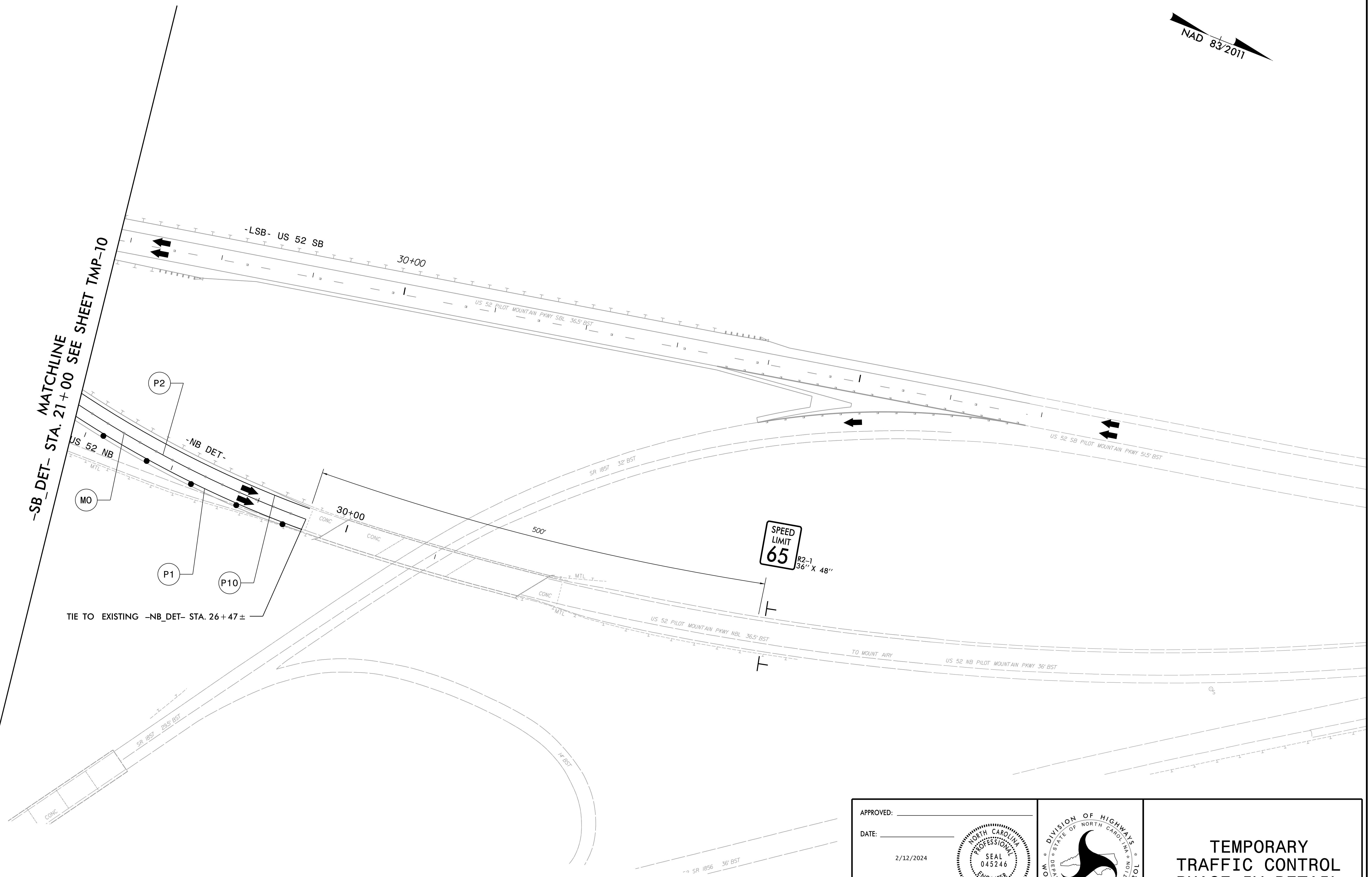
DocuSigned by:
Jason T. Gaddy
BAESD64400B4466

PROFESSIONAL SEAL
NORTH CAROLINA
045246
ENGINEER
JASON T. GADDY

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY
TRAFFIC CONTROL
PHASE IV DETAIL**



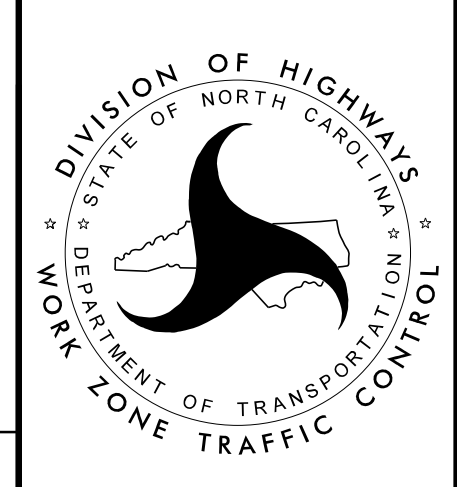
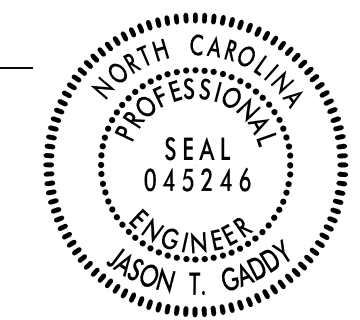
-SB_DET- STA. 21+00 MATCHLINE
 SEE SHEET TMP-10

TIE TO EXISTING -NB_DET- STA. 26+47±

2/6/2024
 X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP.dgn
 gcarpentier

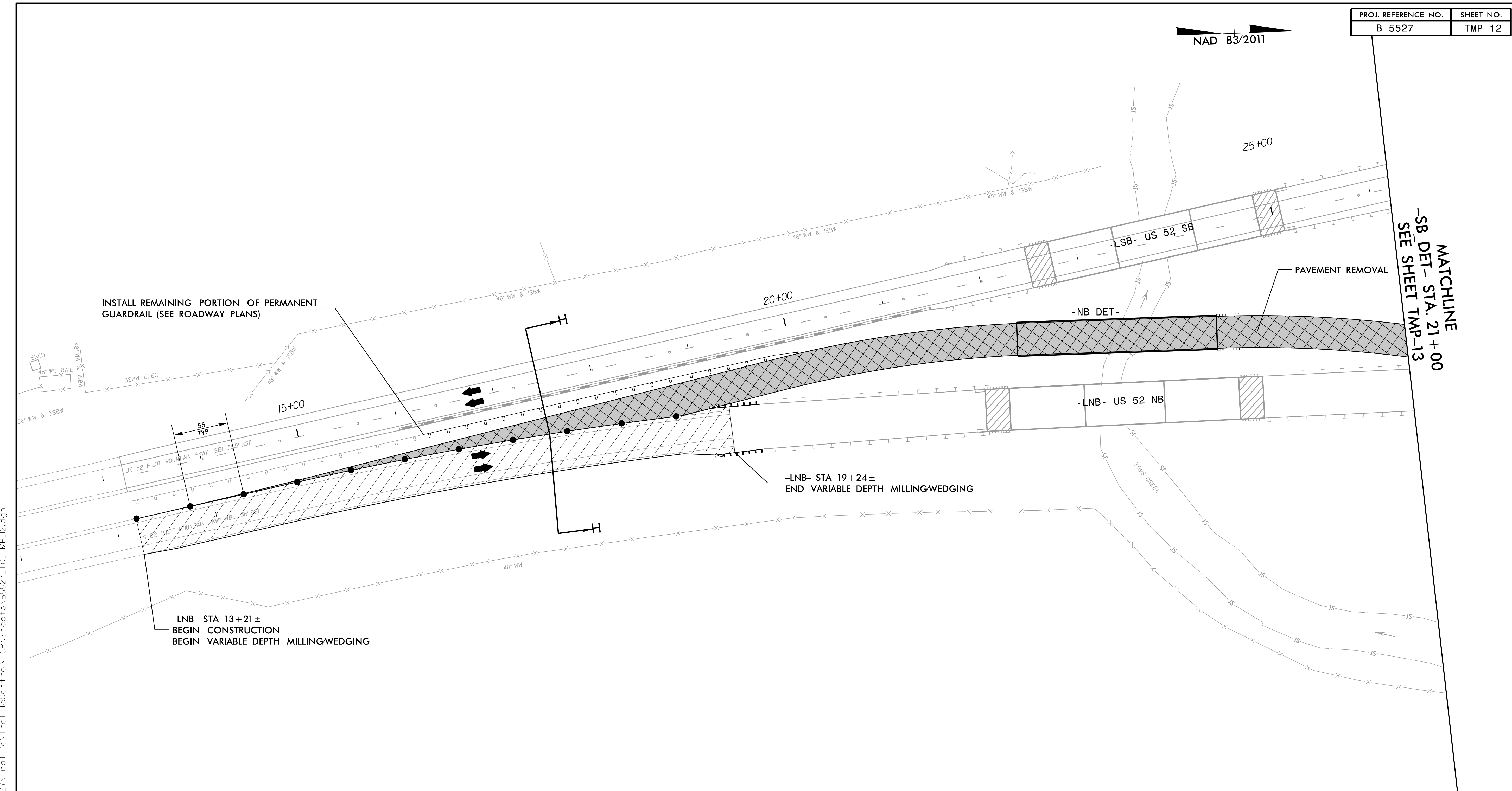
AMT A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9983 • NC LICENSE NO. F-1649
 WWW.AMTEngineering.COM

APPROVED: _____
 DATE: 2/12/2024
 DocuSigned by:
 Jason T. Gaddy
 BAESD6400BA68

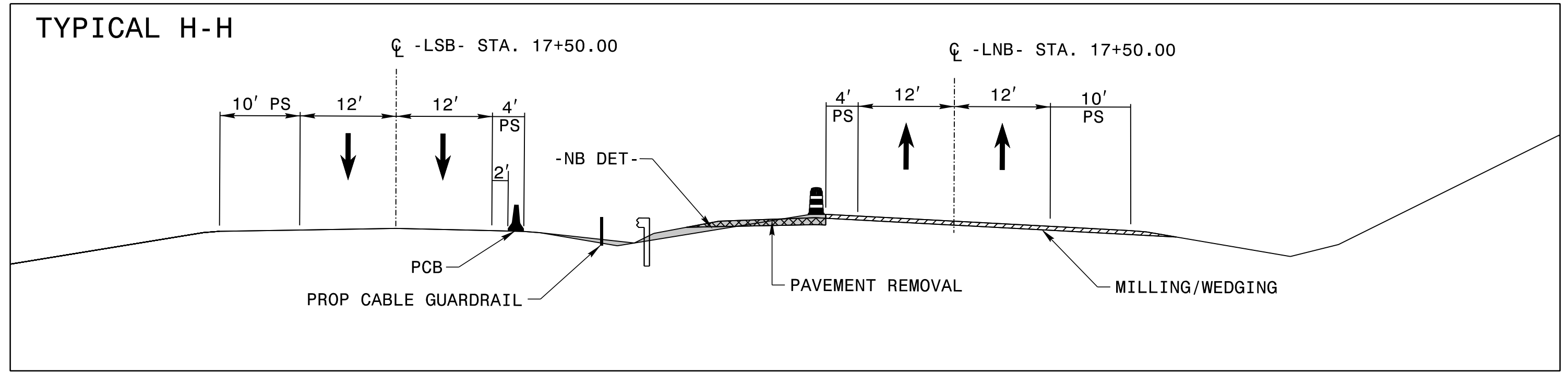


**TEMPORARY
 TRAFFIC CONTROL
 PHASE IV DETAIL**

NAD 83/2011



MATCHLINE
-SB DET- STA. 21+00
SEE SHEET TMP-13



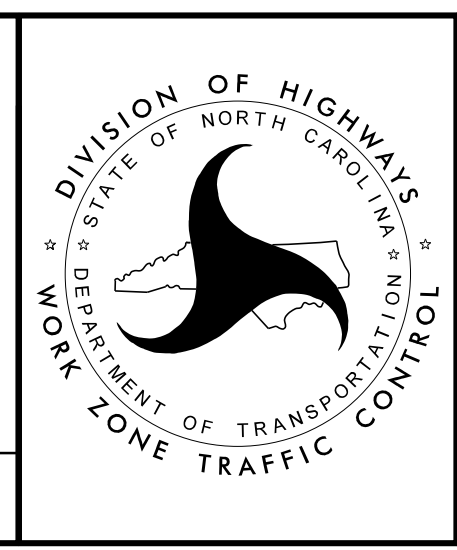
2/6/2024
X:\Raleigh\14-783.005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\CP\Sheets\B5527_TC_TMP_12.dgn
gcarpentier

AMT A. MORTON THOMAS AND ASSOCIATES, INC.
900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
(919) 855-9989 • NC LICENSE NO. F-1649
WWW.AMTENGINEERING.COM

APPROVED: _____
DATE: 2/12/2024

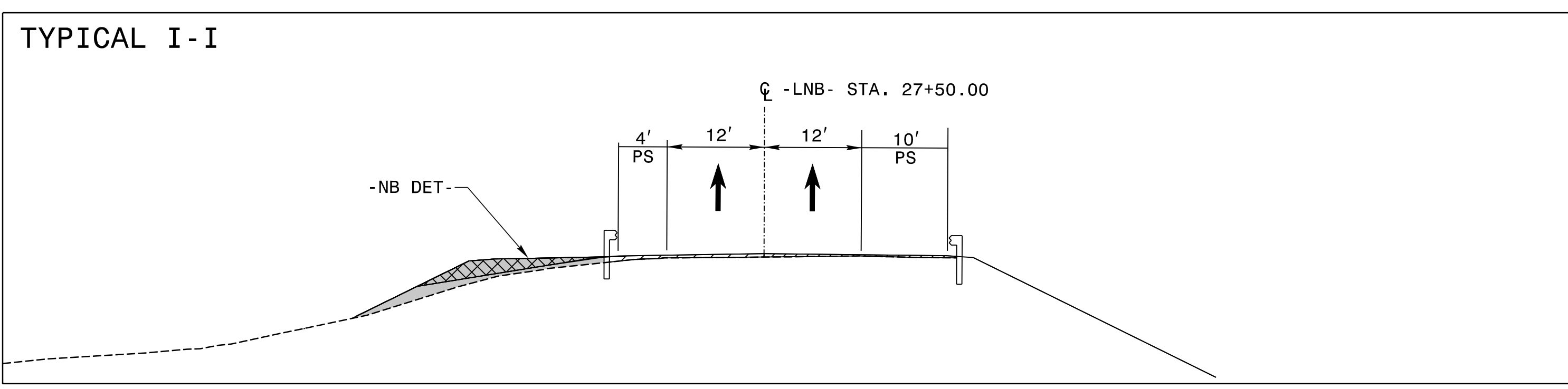
DocuSigned by:
Jason T. Gaddy
BAE006400B4486

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

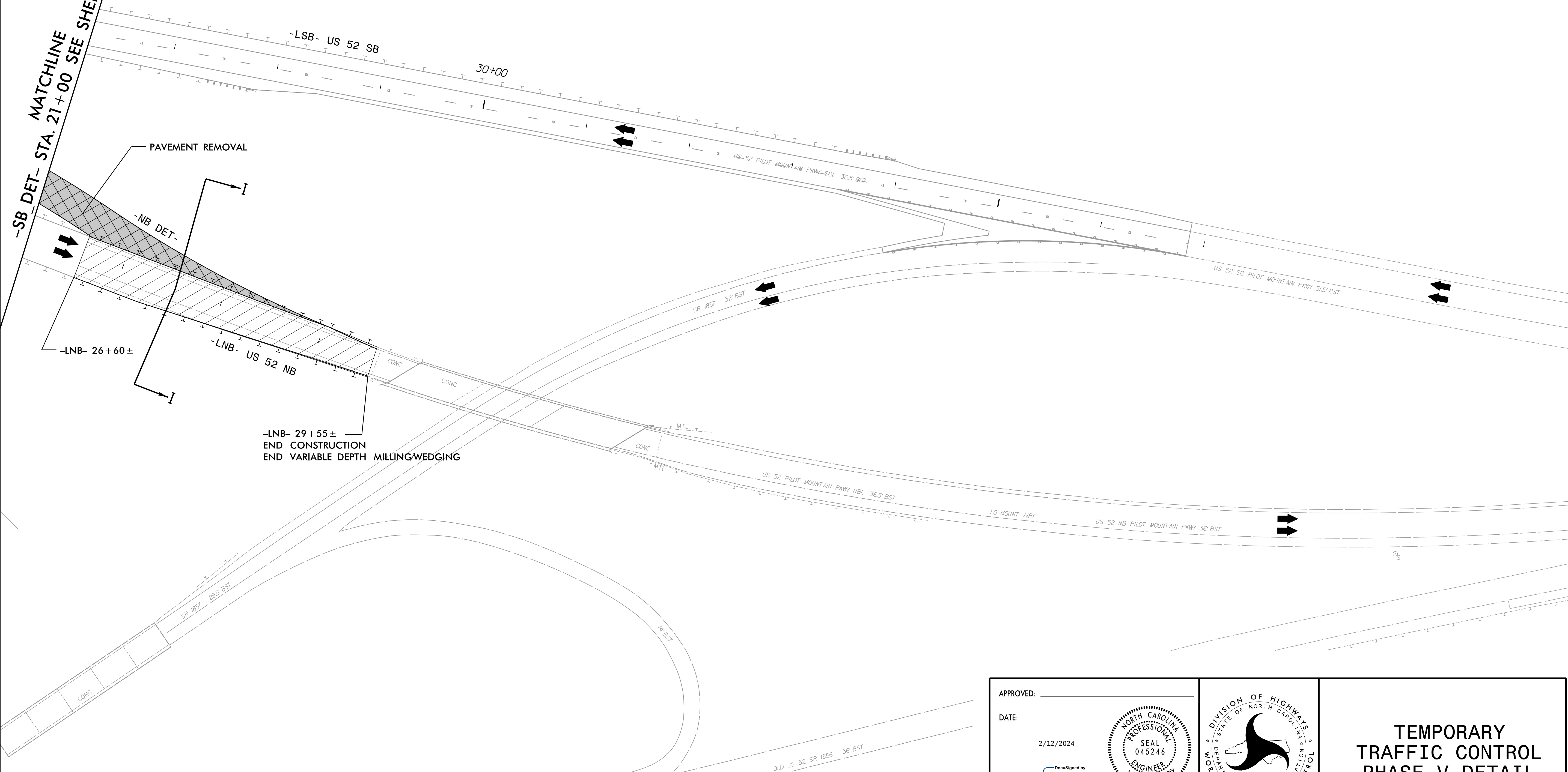


**TEMPORARY
TRAFFIC CONTROL
PHASE V DETAIL**

Division of Highways
North Carolina
Department of Transportation
Work Zone Traffic Control



-SB DET- STA. 21+00 SEE SHEET TMP-12
 MATCHLINE



2/6/2024
 X:\Raleigh\14-783\005D - B-5527 CE Update\05-CAD\B5527\TrafficControl\TCP\Sheets\B5527_TC_TMP_13.dgn
 gcarpentier

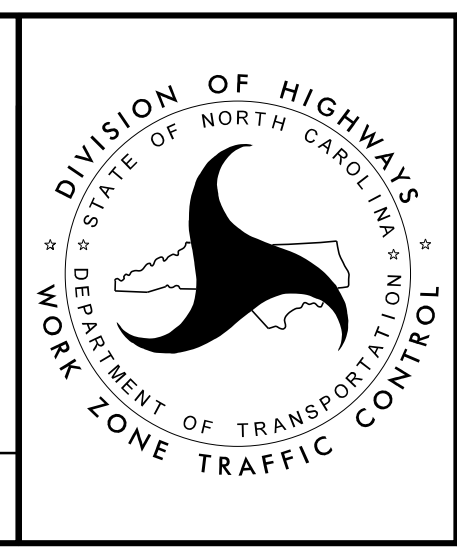
AMT A. MORTON THOMAS AND ASSOCIATES, INC.
 900 RIDGEFIELD DRIVE, SUITE 325 • RALEIGH, NC 27609
 (919) 855-9989 • NC LICENSE NO. F-1049
 WWW.AMTENGINEERING.COM

APPROVED: _____

DATE: 2/12/2024

Jason T. Gaddy
 PROFESSIONAL ENGINEER
 045246
 NORTH CAROLINA
 STATE OF NORTH CAROLINA

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



TEMPORARY
 TRAFFIC CONTROL
 PHASE V DETAIL