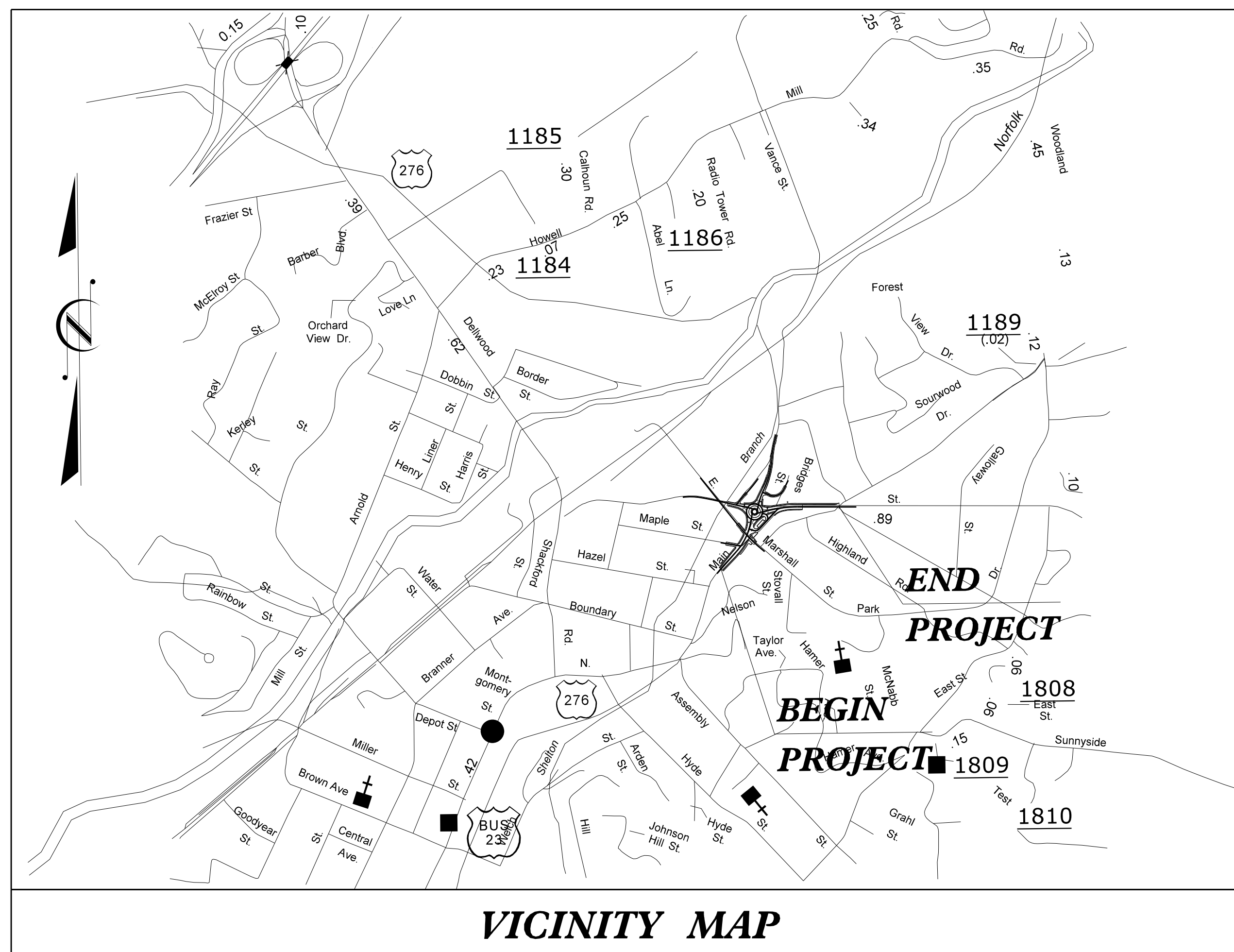
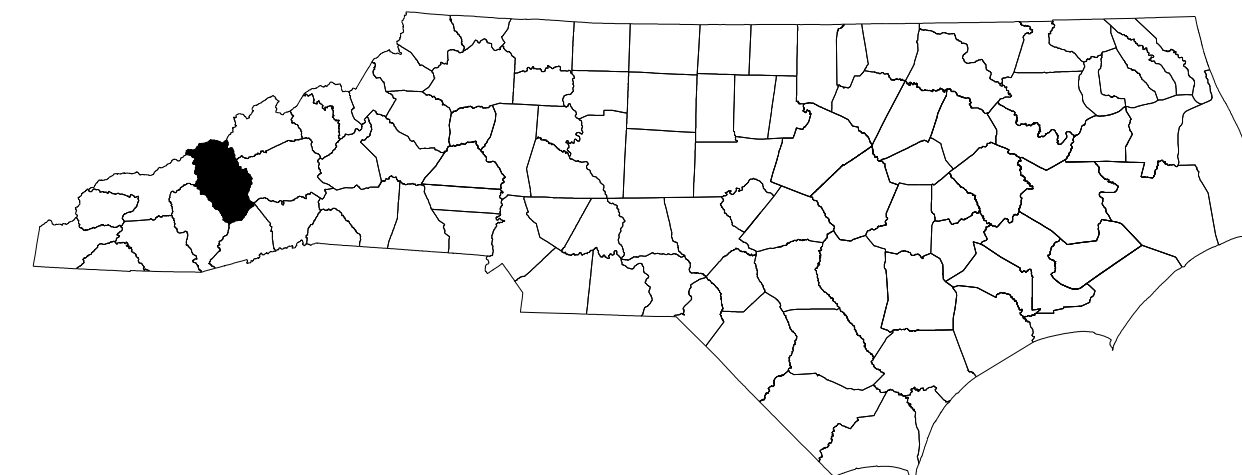


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
HAYWOOD COUNTY



LOCATION: WAYNESVILLE - INTERSECTION OF US 23 BUSINESS (N. MAIN ST.) AND WALNUT ST.

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-01	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-01A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-01B THRU 01C	TRANSPORTATION OPERATIONS PLAN: GENERAL NOTES
TMP-02	PEDESTRIAN OFFSITE DETOUR
TMP-02A THRU 02C	OFFSITE DETOURS
TMP-02D THRU 02E	SIGN AND DEVICE LEGEND
TMP-02F	SPECIAL SIGN DESIGN
TMP-03	TEMPORARY TRAFFIC CONTROL PHASING
TMP-04 THRU 09	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-10 THRU 13	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-14 THRU 20	TEMPORARY TRAFFIC CONTROL PHASE III DETAIL
TMP-21 THRU 22	TEMPORARY CUT SECTIONS

SHEET NO.
TMP-01

TIP PROJECT:
U-5888

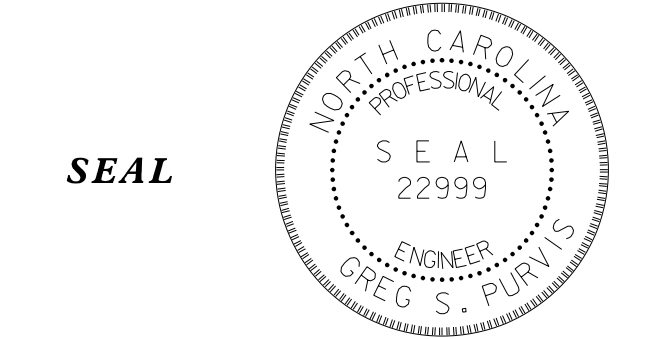
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PLAN PREPARED FOR NCDOT BY:

GREG S. PURVIS, P.E. PROJECT ENGINEER

D. ALLEN HAYES, E.I. TRAFFIC MANAGEMENT ENGINEER

APPROVED: Gary S. Purvis
DATE: 9/23/2021



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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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
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
1130.01	DRUMS
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

LEGEND

GENERAL

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

WORK AREA

REMOVAL

RESURFACING

WEDGING

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- DRUM
- FLAGGER
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKING SYMBOLS

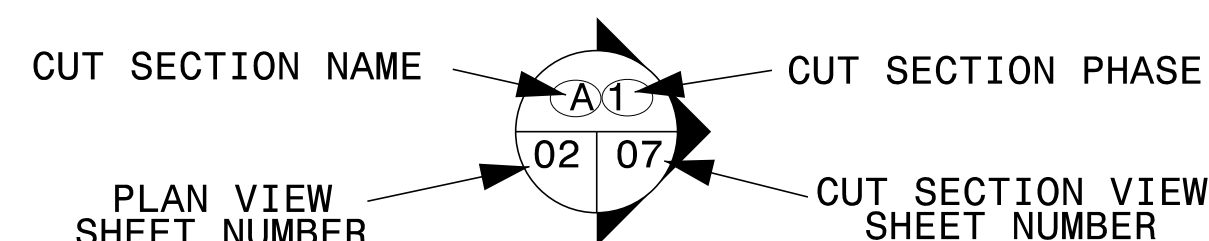
- PAVEMENT MARKING SYMBOLS

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

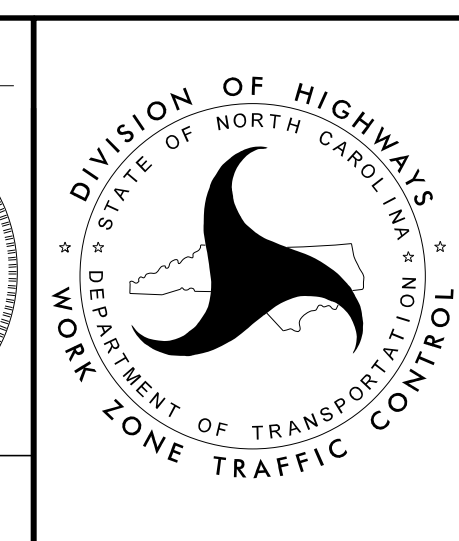
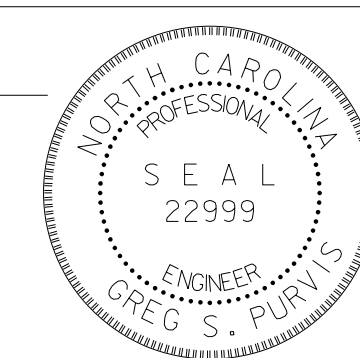
SYMBOL	DESCRIPTION	PAY ITEM
CQ	WHITE CROSSWALK LINE	8" GOLD APPLIED PLASTIC: TYPE IV - REMOVABLE TAPE
P3	WHITE CROSSWALK LINE	24" PAINT
PA	WHITE SOLID EDGE LINE	4" PAINT
PD	3 FT. - 9 FT./SP WHITE MINISKIP	4" PAINT
PE	WHITE SOLID LANE LINE	4" PAINT
PF	10 FT. YELLOW SKIP	4" PAINT
PH	YELLOW SINGLE CENTER	4" PAINT
PI	YELLOW DOUBLE CENTER	4" PAINT



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APPROVED:
 DATE: 9/23/2021



ROADWAY STANDARD DRAWINGS & LEGEND

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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 UNDESIRE 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
1. US 23 BUS	7:00 AM TO 9:00 AM & 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY
2. WALNUT ST.	7:00 AM TO 9:00 AM & 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY

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

ROAD NAME

- 1. US 23 BUS
- 2. WALNUT ST.

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATE UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 AM DECEMBER 31st TO 6:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 PM THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 7:00 AM THURSDAY AND 6:00 PM MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY TO 6:00 PM TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN BETWEEN THE HOURS OF 7:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 AM FRIDAY AND 6:00 PM TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 AM TUESDAY TO 6:00 PM MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- 9. FOR COUNTY FOLKMOOT FESTIVAL, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE THE FESTIVAL AND 9:00 A.M. THE FOLLOWING DAY AFTER THE FESTIVAL.
- 10. FOR WAYNESVILLE CHRISTMAS PARADE, BETWEEN THE HOURS OF 4:00 P.M. THE DAY BEFORE THE PARADE AND 9:00 A.M. THE FOLLOWING DAY AFTER THE PARADE.

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1. US 23 BUS	7:00 AM TO 9:00 AM & 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY	15 MINUTES, TRAFFIC SHIFTS
2. WALNUT ST.	7:00 AM TO 9:00 AM & 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY	15 MINUTES, TRAFFIC SHIFTS

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 A 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) 200 FT IN ADVANCE AND A MINIMUM OF ONCE 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) 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.

P) 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.

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

R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

S) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL 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 TRAFFIC CONTROL 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 TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

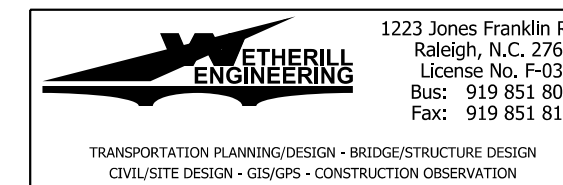
INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW, BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

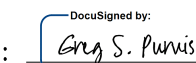
INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

TRAFFIC CONTROL DEVICES

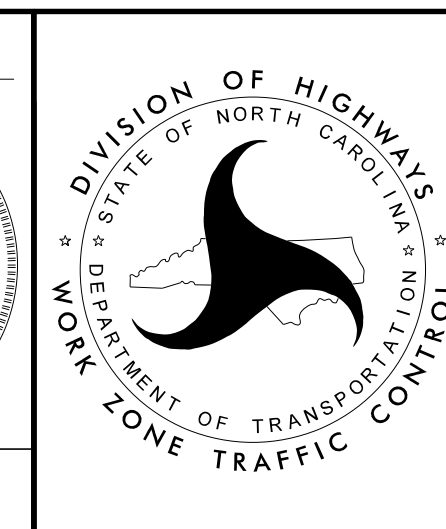
T) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135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

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GENERAL NOTES



- 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 (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 200 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	MARKERS
1. ALL ROADS	PAINT	TEMPORARY RAISED

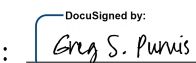
- X) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- Y) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Z) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- AA) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.


MISCELLANEOUS

- BB) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- CC) 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.
- DD) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIME AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

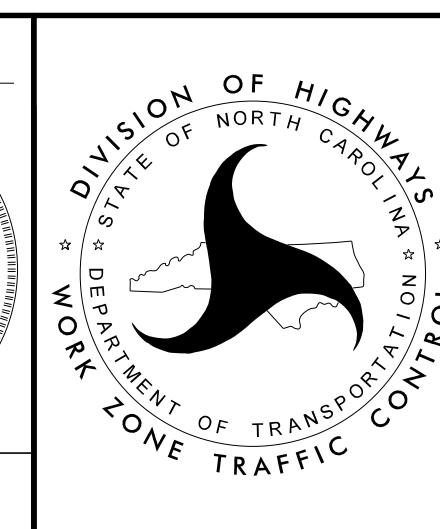
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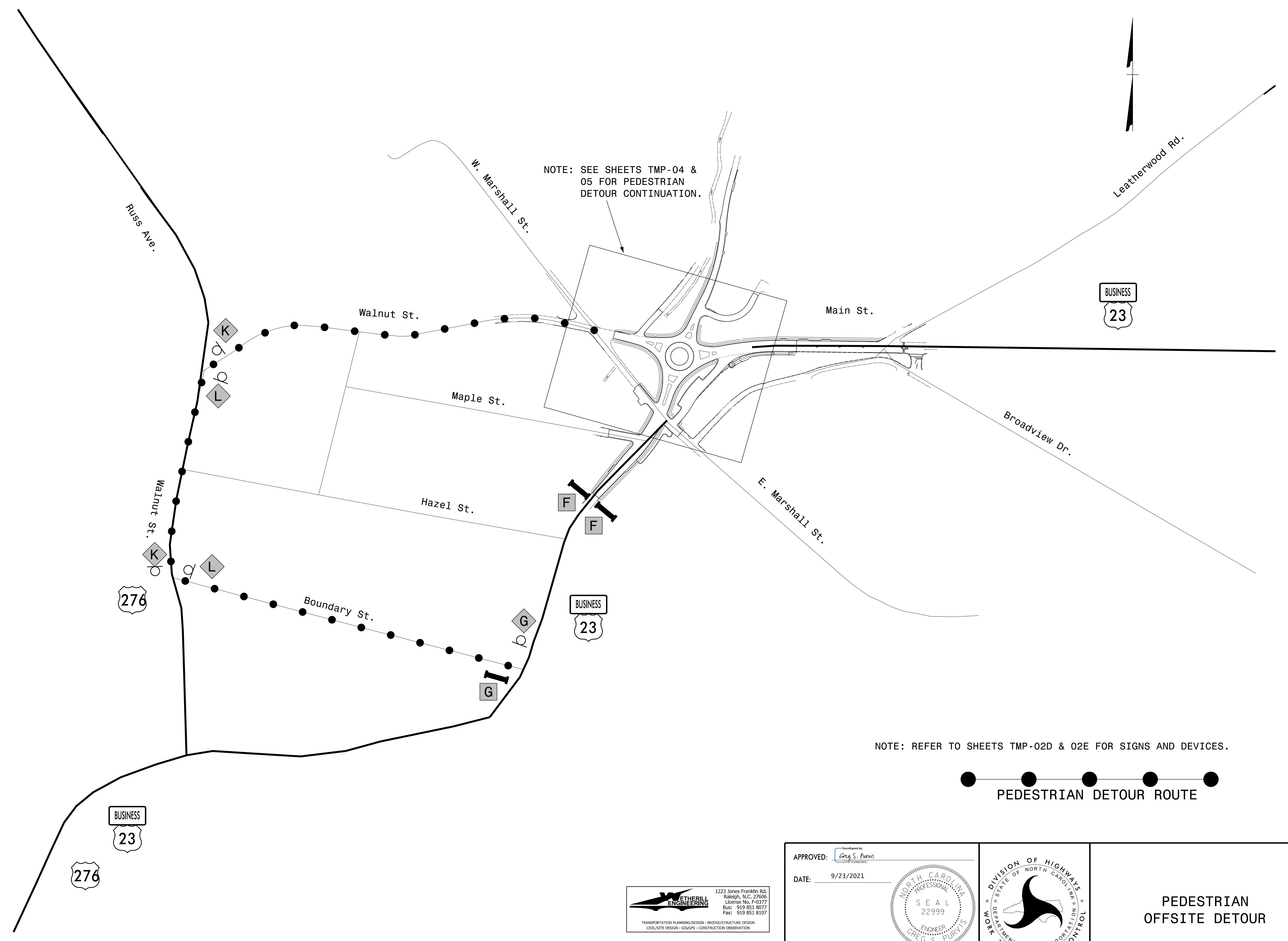


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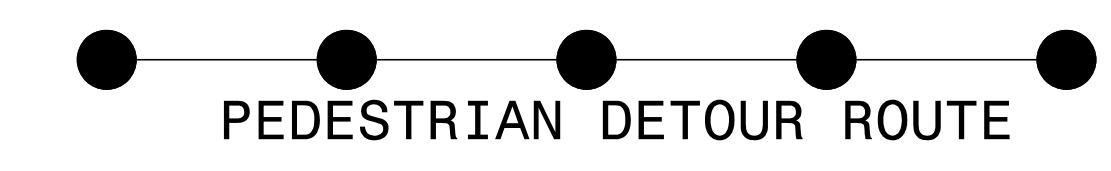


GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
U-5888	TMP-02



NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGNS AND DEVICES.

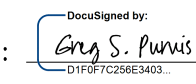


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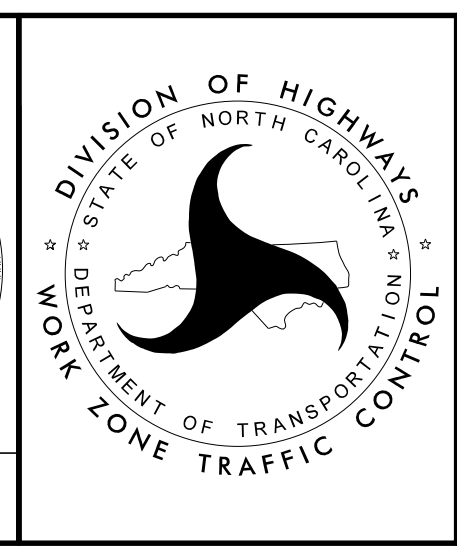
ETHERILL ENGINEERING

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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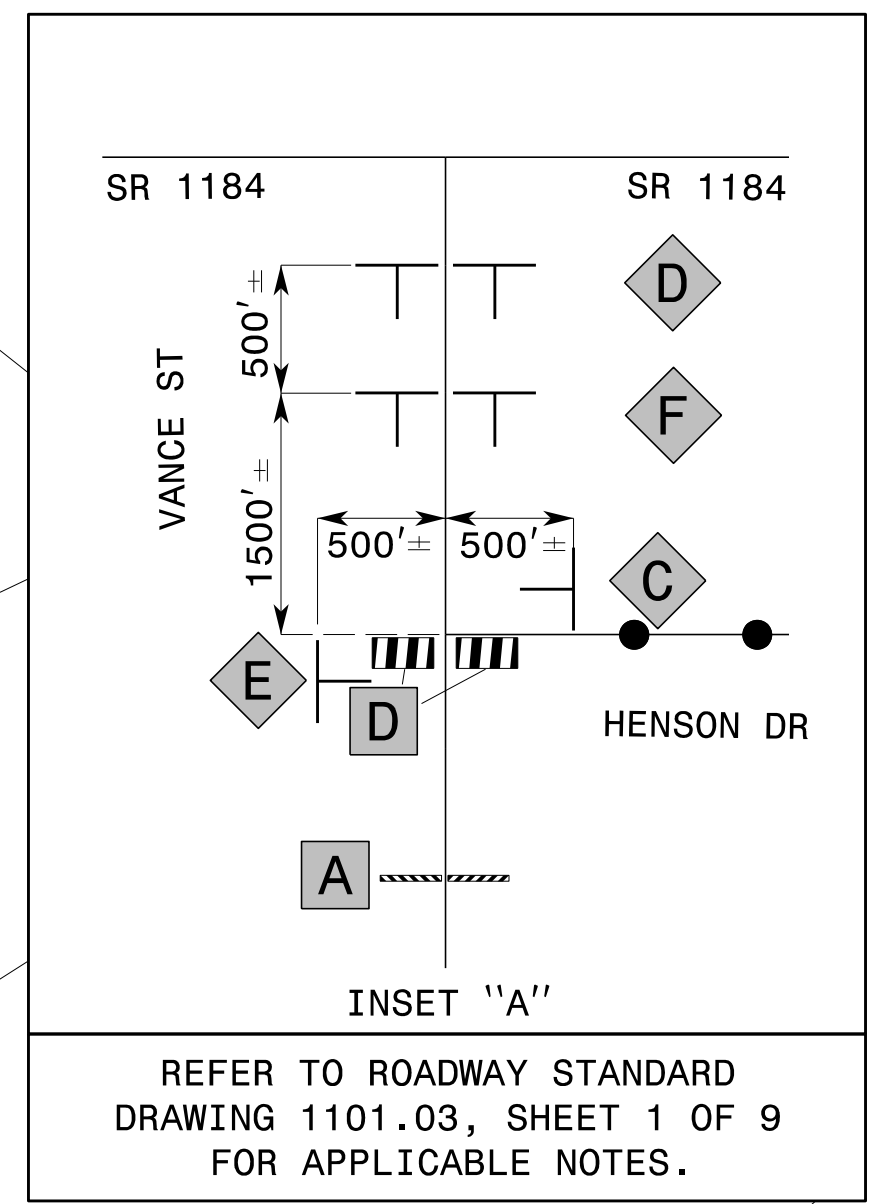
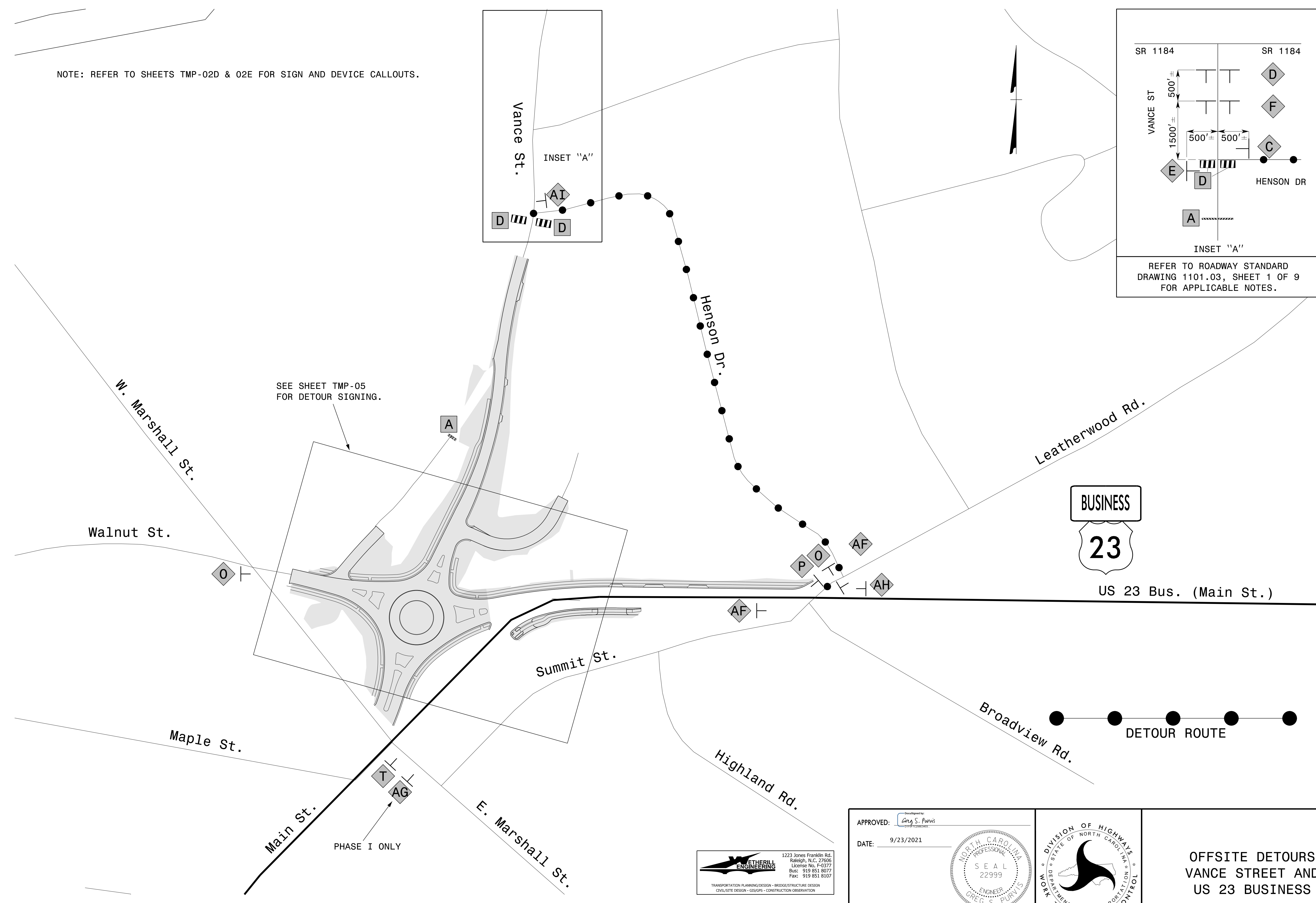
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**PEDESTRIAN
OFFSITE DETOUR**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.



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SEE SHEET TMP-05 FOR DETOUR SIGNING.

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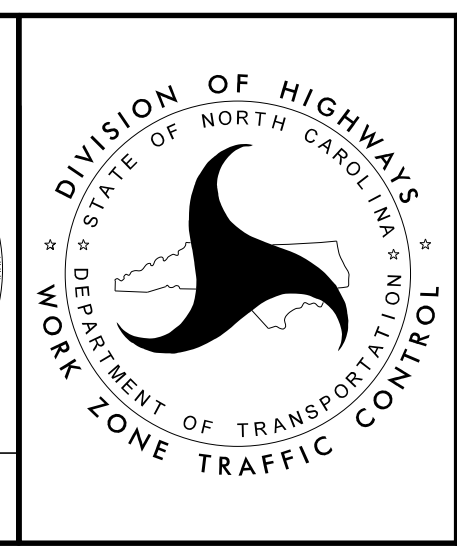
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TRANSPORTATION PLANNING DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/SP - CONSTRUCTION OBSERVATION

APPROVED: *Gary S. Purvis*
 DATE: 9/23/2021

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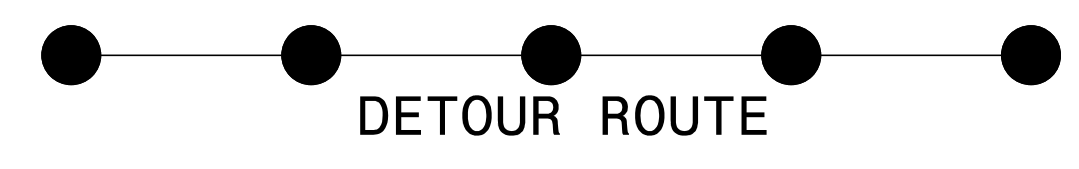
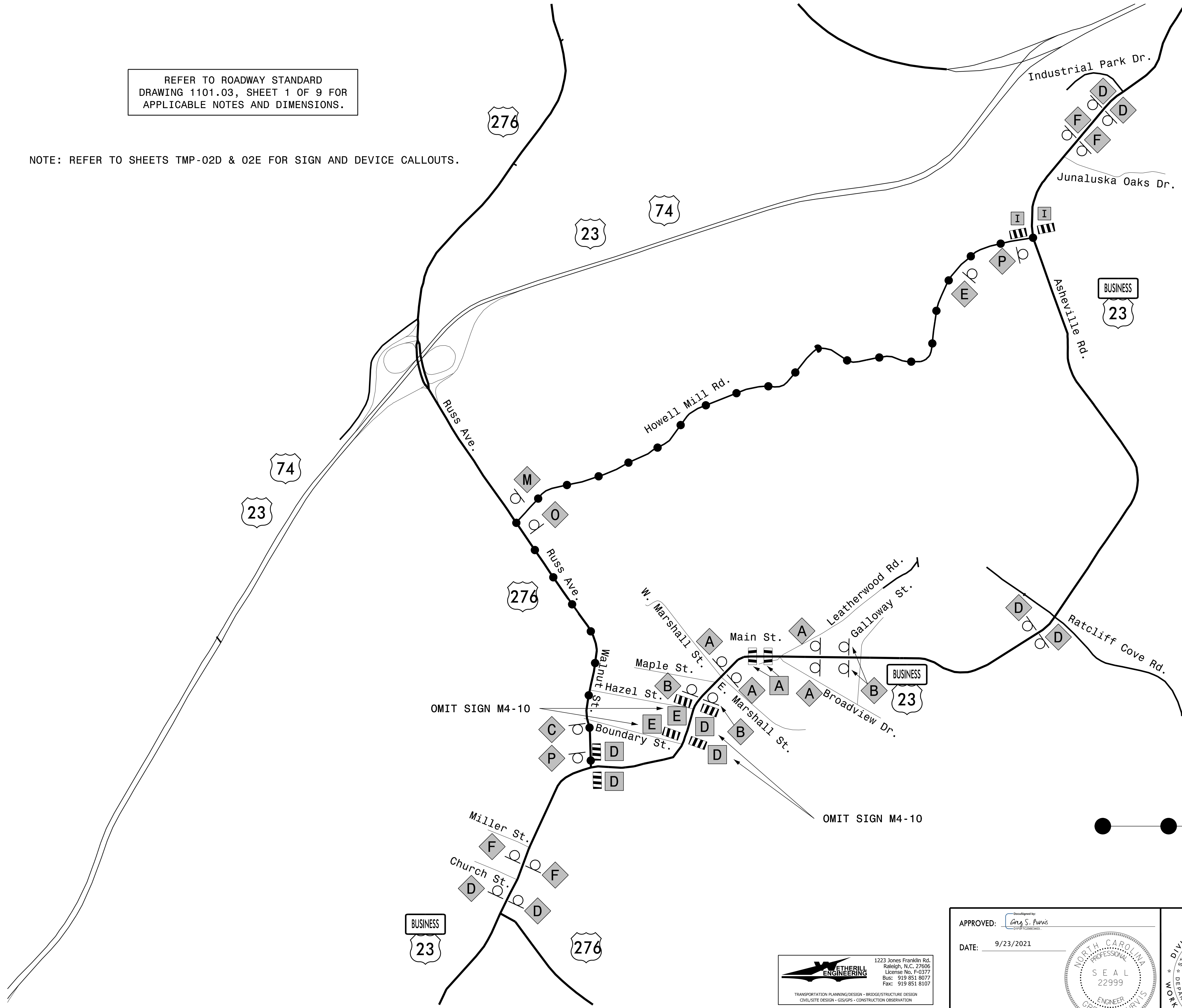
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**OFFSITE DETOURS
 VANCE STREET AND
 US 23 BUSINESS**

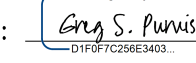
REFER TO ROADWAY STANDARD
DRAWING 1101.03, SHEET 1 OF 9 FOR
APPLICABLE NOTES AND DIMENSIONS.

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

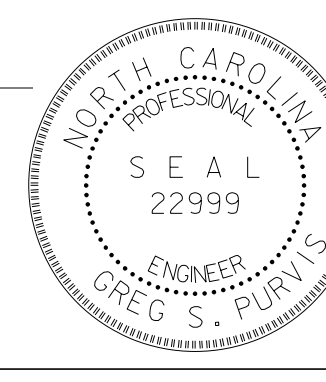


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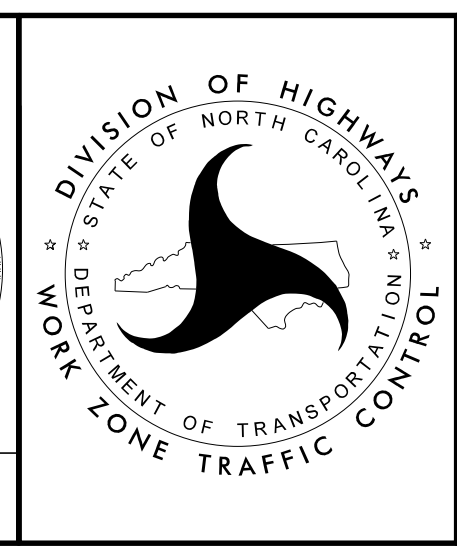
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 CIVIL/SITE DESIGN - GIS/GIS - CONSTRUCTION OBSERVATION

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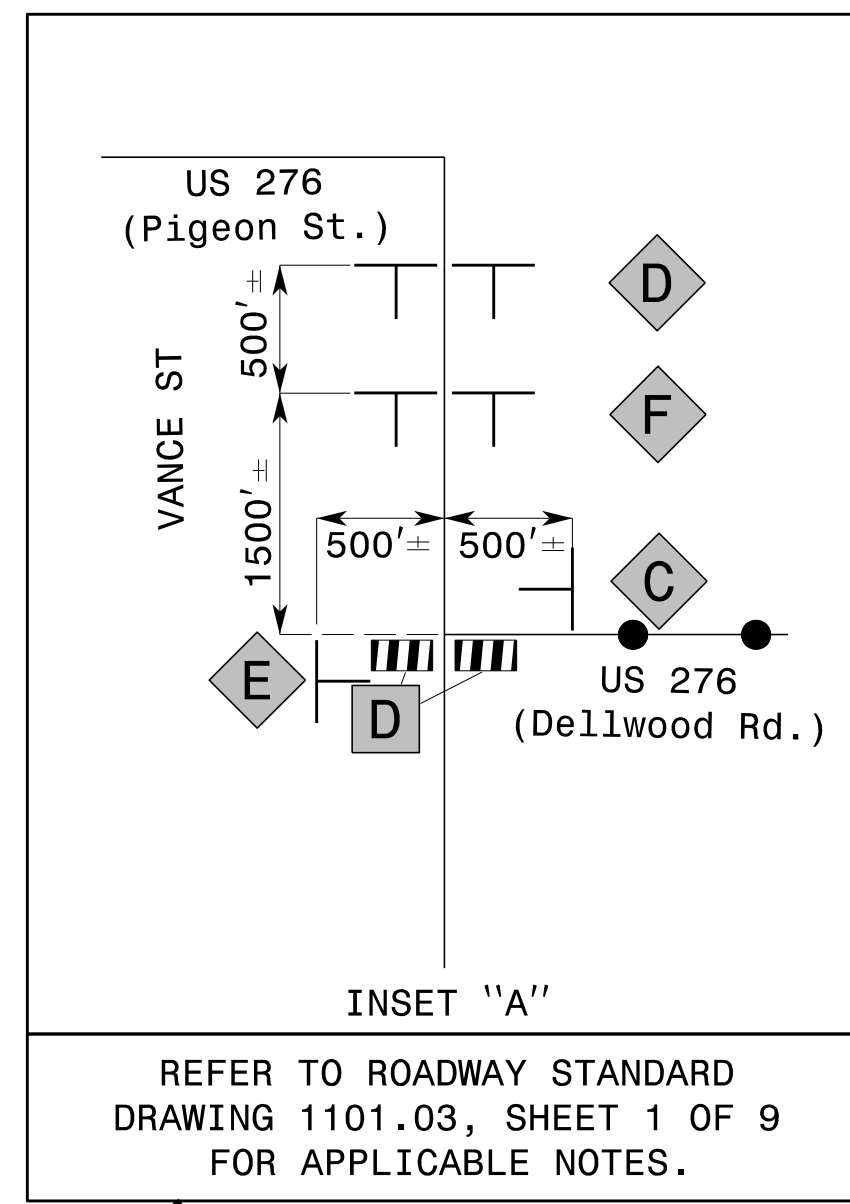
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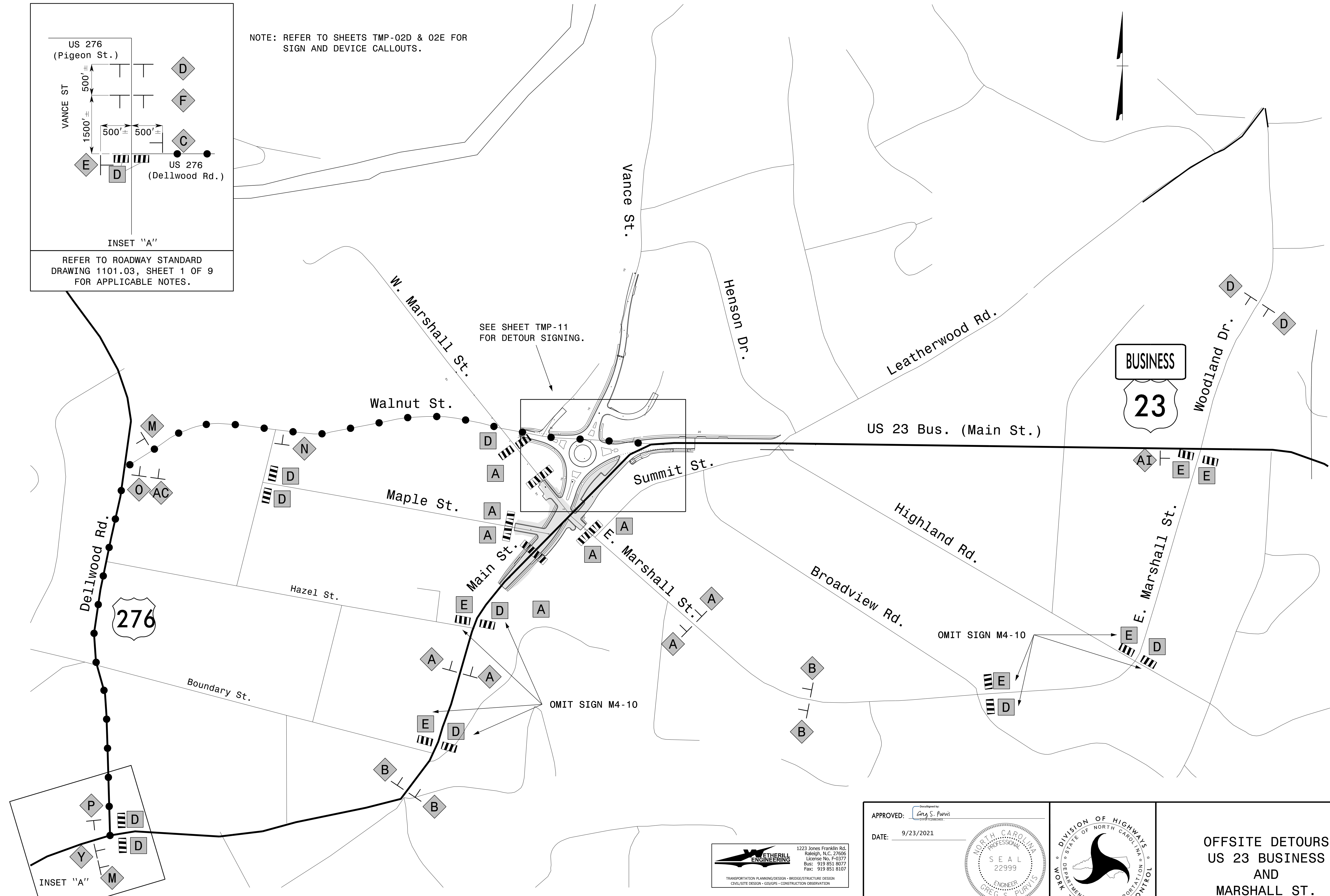


**OFFSITE DETOUR
 US 23 BUSINESS
 (FOR CROSS
 PIPE INSTALLATION)**




NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

SEE SHEET TMP-11 FOR DETOUR SIGNING.




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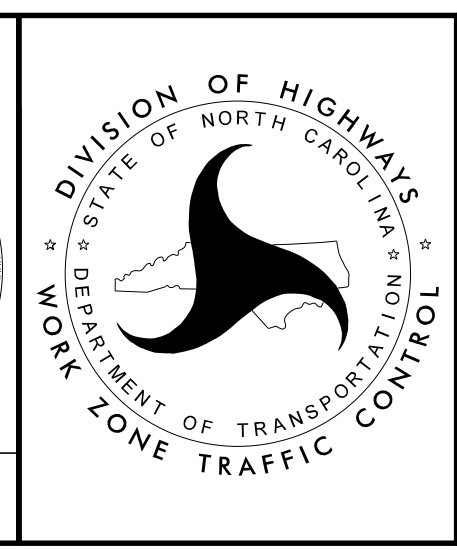
ETHERILL ENGINEERING
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 TRANSPORTATION PLANNING DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GIS - CONSTRUCTION OBSERVATION

APPROVED: 

DATE: 9/23/2021


 NORTH CAROLINA PROFESSIONAL ENGINEER
 GREG S. PURVIS
 License No. 22999

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**OFFSITE DETOURS
 US 23 BUSINESS
 AND
 MARSHALL ST.**

<p>R11-2 48'' x 30'' ROAD CLOSED</p> <p>TYPE III BARRICADE A</p>	<p>R11-2 48'' x 30'' ROAD CLOSED</p> <p>M4-10L 48'' x 18'' DETOUR</p> <p>TYPE III BARRICADE B</p>	<p>R11-2 48'' x 30'' ROAD CLOSED</p> <p>M4-10R 48'' x 18'' DETOUR</p> <p>TYPE III BARRICADE C</p>	<p>R11-4 60'' x 30'' ROAD CLOSED TO THRU TRAFFIC</p> <p>M4-10L 48'' x 18'' DETOUR</p> <p>TYPE III BARRICADE D</p>	<p>R11-4 60'' x 30'' ROAD CLOSED TO THRU TRAFFIC</p> <p>M4-10R 48'' x 18'' DETOUR</p> <p>TYPE III BARRICADE E</p>					
<p>4'± R9-9 24'' x 12'' SIDEWALK CLOSED</p> <p>5' MIN 2" MAX</p> <p>PEDESTRIAN BARRICADE *MUST BE ADA-COMPLIANT*</p> <p>F</p>	<p>4'± R9-11a 24'' x 12'' SIDEWALK CLOSED CROSS HERE</p> <p>5' MIN 2" MAX</p> <p>PEDESTRIAN BARRICADE *MUST BE ADA-COMPLIANT*</p> <p>G</p>	<p>4'± R9-11a 24'' x 12'' SIDEWALK CLOSED CROSS HERE</p> <p>5' MIN 2" MAX</p> <p>PEDESTRIAN BARRICADE *MUST BE ADA-COMPLIANT*</p> <p>H</p>	<p>R11-3 60'' x 30'' ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY</p> <p>M4-10R 48'' x 18'' DETOUR</p> <p>TYPE III BARRICADE I</p>	<p>ROAD CLOSED 500 FT</p> <p>W20-3 48'' x 48''</p> <p>A</p>	<p>ROAD CLOSED 1000 FT</p> <p>W20-3 48'' x 48''</p> <p>B</p>				
<p>ROAD CLOSED AHEAD</p> <p>W20-3 48'' x 48''</p> <p>SP-4L 42'' x 12'' NEXT LEFT</p> <p>C</p>	<p>ROAD CLOSED AHEAD</p> <p>W20-3 48'' x 48''</p> <p>D</p>	<p>ROAD CLOSED AHEAD</p> <p>W20-3 48'' x 48''</p> <p>SP-4R 42'' x 12'' NEXT RIGHT</p> <p>E</p>	<p>DETOUR AHEAD</p> <p>W20-2 48'' x 48''</p> <p>F</p>	<p>SIDEWALK CLOSED AHEAD</p> <p>SP-200 36'' x 36''</p> <p>G</p>	<p>W11-2 30'' x 30''</p> <p>H</p>	<p>W11-2 30'' x 30''</p> <p>W16-7p 24'' x 12'' AHEAD</p> <p>I</p>	<p>W11-2 30'' x 30''</p> <p>W16-9p 24'' x 12'' AHEAD</p> <p>J</p>	<p>M4-9B 30'' x 24'' DETOUR</p> <p>K</p>	<p>M4-9B 30'' x 24'' DETOUR</p> <p>L</p>
<p>M4-8 24'' x 12'' DETOUR</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15''</p> <p>M6-1 L 21'' x 15''</p> <p>M</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15''</p> <p>M6-4 21'' x 15''</p> <p>N</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15''</p> <p>M6-1 21'' x 15''</p> <p>O</p>	<p>M4-8 A 24'' x 18'' END DETOUR</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>P</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M3-1 24'' x 12'' NORTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>M5-2 21'' x 15''</p> <p>Q</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M3-1 24'' x 12'' NORTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>M6-3 21'' x 15''</p> <p>R</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M3-1 24'' x 12'' NORTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>M6-2 21'' x 15''</p> <p>S</p>	<p>M4-8 A 24'' x 18'' END DETOUR</p> <p>M3-1 24'' x 12'' NORTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>T</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M3-3 24'' x 12'' SOUTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>M6-2 L 21'' x 15''</p> <p>U</p>	<p>M4-8 24'' x 12'' DETOUR</p> <p>M3-3 24'' x 12'' SOUTH</p> <p>M4-3 24'' x 12'' BUSINESS</p> <p>M1-4 21'' x 15'' 23</p> <p>M5-2 21'' x 15''</p> <p>V</p>

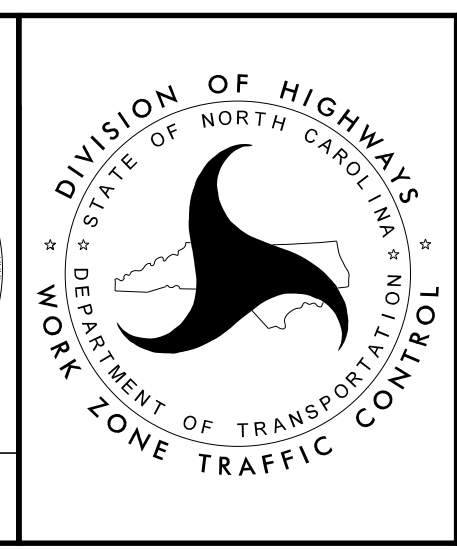
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APPROVED:
DATE: 9/23/2021

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
GREG S. PURVIS
22999

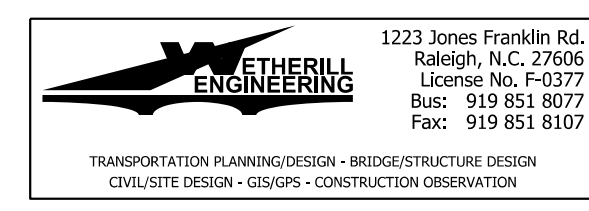
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SIGN AND DEVICE LEGEND

<p>M4-8 24" X 12" M3-3 24" X 12" M4-3 24" X 12" M1-4 M6-3 21" X 15"</p> <p>W</p>	<p>M4-8 24" X 12" M3-3 24" X 12" M4-3 24" X 12" M1-4 M6-2 21" X 15"</p> <p>X</p>	<p>EAST MARSHALL STREET M4-8 24" X 12" M6-1 L 21" X 15"</p> <p>Y</p>	<p>EAST MARSHALL STREET M4-8 24" X 12" M5-2 21" X 15"</p> <p>Z</p>	<p>EAST MARSHALL STREET M4-8 24" X 12" M6-3 21" X 15"</p> <p>AA</p>	<p>EAST MARSHALL STREET M4-8 24" X 12" M6-2 21" X 15"</p> <p>AB</p>	<p>EAST MARSHALL STREET M4-8 24" X 12" M6-1 21" X 15"</p> <p>AC</p>	<p>WALNUT STREET M4-8 24" X 12" M6-1 L 21" X 15"</p> <p>AD</p>	<p>WALNUT STREET M4-8 24" X 12" M6-1 21" X 15"</p> <p>AE</p>	<p>VANCE STREET M4-8 24" X 12" M6-1 L 21" X 15"</p> <p>AF</p>
<p>Vance Street M4-8 24" X 12" M6-3 21" X 15"</p> <p>AG</p>	<p>Vance Street M4-8 24" X 12" M6-1 21" X 15"</p> <p>AH</p>	<p>END DETOUR M4-8 A 24" X 18"</p> <p>AI</p>	<p>R3-2 24" X 24"</p> <p>AJ</p>	<p>NEW TRAFFIC PATTERN AHEAD W23-2 48" X 48"</p> <p>AK</p>	<p>R1-1</p> <p>AL</p>	<p>NO OUTLET W14-2 48" X 48"</p> <p>AM</p>	<p>NO THRU TRUCKS AHEAD SDD 30" X 24" W16-9p 24" X 12"</p> <p>AN</p>	<p>BEGIN TRUCK DETOUR M4-14 24" X 12" M4-4 24" X 12" M4-8 24" X 12" M6-1 L 21" X 15"</p> <p>AO</p>	<p>TRUCK DETOUR M4-4 24" X 12" M4-8 24" X 12" M6-1 L 21" X 15"</p> <p>AP</p>
<p>TRUCK DETOUR M4-4 24" X 12" M4-8 24" X 12" M5-1 21" X 15"</p> <p>AQ</p>	<p>TRUCK DETOUR M4-4 24" X 12" M4-8 24" X 12" M6-3 21" X 15"</p> <p>AR</p>	<p>TRUCK DETOUR M4-4 24" X 12" M4-8 24" X 12" M5-1 R 21" X 15"</p> <p>AS</p>	<p>BEGIN TRUCK DETOUR M4-14 24" X 12" M4-4 24" X 12" M4-8 24" X 12" M6-1 21" X 15"</p> <p>AT</p>	<p>TRUCK DETOUR M4-4 24" X 12" M4-8 24" X 12" M6-1 21" X 15"</p> <p>AU</p>	<p>END TRUCK DETOUR M4-8 B 24" X 12" M4-4 24" X 12" M4-8 24" X 12"</p> <p>AV</p>				

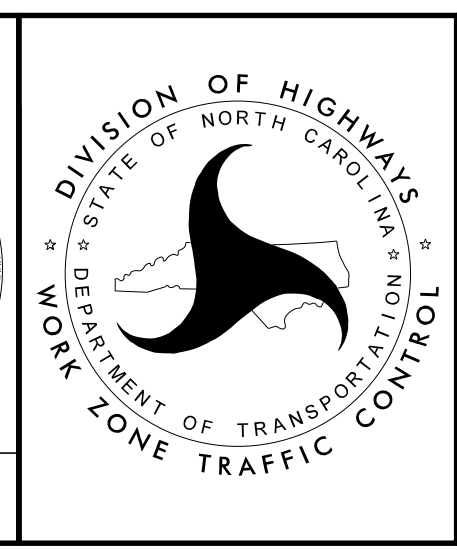
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SIGN AND DEVICE LEGEND

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-6" HEIGHT: 3'-0" TOTAL AREA: 10.5 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: U-5888 CHECKED BY: DAH LOCATION: Mar 25, 2019 DIV: 14
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USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner										Series/Size Text Length
E	A	S	T							C 2000
14.8	17.8	21.4	24.7							12.5
M	A	R	S	H	A	L	L			C 2000
6.9	10.9	14.8	18.2	21.9	25.4	29.3	32.5			28.2
S	T	R	E	E	T					C 2000
11.5	14.7	18	21.6	25	28					19.1

FILENAME: 2016_16133_01_U-5888_Traffic_WZTC_TMP_REF_BSSD NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 2'-6" HEIGHT: 2'-0" TOTAL AREA: 5.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: U-5888 CHECKED BY: DAH LOCATION: Mar 25, 2019 DIV: 14
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USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner										Series/Size Text Length
V	A	N	C	E						C 2000
6.3	9.7	13.6	17.4	21.2						17.5
S	T	R	E	T						C 2000
5.5	8.7	12	15.6	19	22					19.1

FILENAME: 2016_16133_01_U-5888_Traffic_WZTC_TMP_REF_BSSD NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: name TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 3'-0" HEIGHT: 2'-0" TOTAL AREA: 6.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADIUS: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: DAH PROJECT ID: U-5888 CHECKED BY: DAH LOCATION: Mar 25, 2019 DIV: 14
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USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner										Series/Size Text Length
W	A	L	N	U	T					C 2000
7.4	11.5	15.4	18.7	22.6	26.1					21.2
S	T	R	E	T						C 2000
8.5	11.7	15	18.6	22	25					19.1

FILENAME: 2016_16133_01_U-5888_Traffic_WZTC_TMP_REF_BSSD NORTH CAROLINA D.O.T. SIGN DETAIL

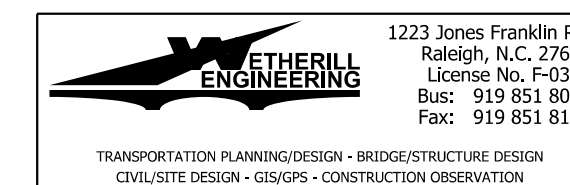
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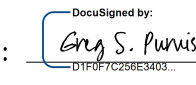
USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

Letter locations are panel edge to lower left corner										Series/Size Text Length
N	O									C 2000
8.6	12.4									6.8
T	H	R	U							C 2000
6.6	9.2	12.3	15.2							10.9
T	R	U	C	K	S					C 2000
3.7	6.3	9.2	12.3	15.3	18					16.6

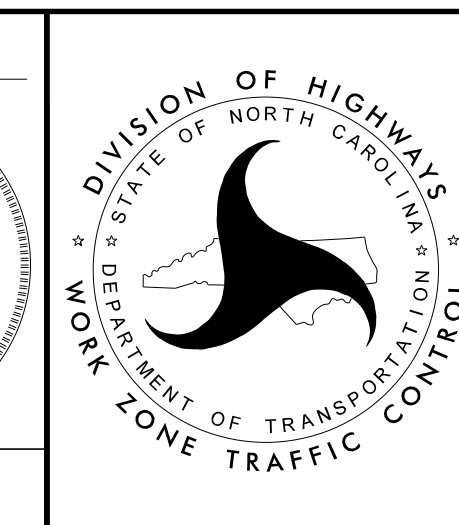
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SPECIAL SIGN DESIGN

PHASE I

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL:

- PLACE WORK ZONE ADVANCE WARNING SIGNS ALONG US 23 BUS (-L1-/-L2-), WALNUT ST. (-Y4-), MAPLE ST. (-Y1-), E/W MARSHALL ST. (-Y2-), VANCE ST. (-Y3-/-Y5-), BRIDGES ST. (-Y6-) AND ALL -Y- LINES USING ROADWAY STANDARD DRAWING (RSD) 1101.01.
- INSTALL ONE (1) CHANGEABLE MESSAGE SIGNS (CMS) IN EACH DIRECTION OF US 23 BUS (-L1-/-L2-) AND WALNUT ST. AS DIRECTED BY THE ENGINEER. THESE CHANGEABLE MESSAGES SIGNS ARE TO BE UTILIZED TO INFORM & ALERT THE TRAVELLING PUBLIC TO TRAFFIC CONDITIONS AND MAY BE UTILIZED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

NOTE: THE CONTRACTOR SHALL COMPLETE PHASE I, STEPS 1 AND 2 IN A CONTINUOUS MANNER.

STEP 1A) INSTALL ALL VANCE STREET, WALNUT STREET, US 23 BUSINESS FROM WALNUT STREET OFFSITE DETOUR SIGNING, US 23 BUSINESS TRUCK DETOUR SIGNING, ROAD CLOSURE SIGNING, DEVICES, AND DETOUR -Y4-, -Y5-, -Y6-, AND TRUCKS ON US 23 BUSINESS. [REFER TO SHEETS TMP-02A, 02B1, 04, 05, & 07]

STEP 1B) USING RSD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS, WATER-FILLED BARRIER, AND PEDESTRIAN CHANNELIZING FENCING ALONG -L1-/-L2-. DEACTIVATE AND REMOVE EXISTING SIGNAL. [REFER TO SHEETS TMP-04 THRU 06, & 21]

STEP 1C) USING RSD 1101.02 AS NEEDED, INSTALL ALL PEDESTRIAN DETOUR SIGNING, PEDESTRIAN BARRICADES, TEMPORARY CROSSWALKS, AND DETOUR PEDESTRIANS. [REFER TO SHEETS TMP-02, 04 THRU 06, & 21]

STEP 2) USING RSD 1101.02, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. AT THE FOLLOWING LOCATIONS [REFER TO SHEETS TMP-04 THRU 07, & 21]:

- -L1- FROM STA. 14+18 TO -RAB-
- -L2- FROM -RAB- TO STA. 17+22
- -RAB-
- -Y3-
- -Y4- AND PROPOSED CULVERT
- -Y5- FROM STA. 13+50 TO -RAB-
- -Y6-

NOTE: MAINTAIN ACCESS TO PARCEL 21 THROUGH PARCEL 11 AS NEEDED, AS DIRECTED BY THE ENGINEER.

USING RSD 1101.02, CONSTRUCT -L2- 'LEFT' FROM STA. 17+22 TO END CONSTRUCTION LIMITS AND -L2- 'RIGHT' FROM STA. 17+22 TO THE BEGIN RESURFACING LIMITS, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. [REFER TO SHEET TMP-06]

STEP 2A) UPON COMPLETION OF WING WALL #3 ON THE -Y4- CULVERT, CLOSE VANCE ST. AS SHOWN ON SHEET TMP-07, INSTALL THE TEMPORARY RESIDENTIAL ACCESS AS SHOWN ON SHEET TMP-05, AND CONSTRUCT -Y5- FROM THE BEGIN PROJECT LIMITS TO STA. 13+50 +/- -Y5- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE.

NOTE: MAINTAIN ACCESS TO DRIVEWAYS ON -Y3- AND -Y5- DURING CONSTRUCTION.

NOTE: PHASE I, STEPS 3 & 4 MAY BE CONSTRUCTED SIMULTANEOUSLY WITH PHASE I, STEPS 2 & 2A.

THE CONTRACTOR SHALL SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE I, STEPS 3 AND 4 FROM 6:00 P.M. FRIDAY TO 7:00 A.M. MONDAY. REPEAT WEEKEND WORK AS DIRECTED BY THE ENGINEER TO COMPLETE PHASE I, STEPS 3 AND 4 (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 3) INSTALL OFFSITE DETOUR SIGNING, DETOUR -L1-/-L2- TRAFFIC OFFSITE, AND CLOSE -L1-/-L2- WITH BARRICADES. INSTALL TEMPORARY CROSSWALK, PEDESTRIAN DETOUR SIGNING, PEDESTRIAN BARRICADES, AND DETOUR PEDESTRIANS TO -L2- 'LEFT'. INSTALL THE 42" CROSS PIPE LOCATED AT STA. 22+15 +/- -L2- AND ALL DRAINAGE UPSTREAM FROM THE CROSS PIPE. REPLACE THE CURB, GUTTER, AND SIDEWALK REMOVED TO INSTALL THE DRAINAGE. RETURN PEDESTRIANS BACK TO THE DETOUR ON -L2- 'RIGHT', REMOVE THE TEMPORARY CROSSWALK, OPEN -L1-/-L2- TO TRAFFIC, AND COVER THE DETOUR SIGNS INSTALLED AT THE BEGINNING OF STEP 3. THE SIDEWALK AND CURB AND GUTTER SHALL BE REPLACED BY THE END OF EACH WEEKEND WORK PERIOD. [REFER TO SHEETS TMP-02B & 08]

STEP 4) UNCOVER THE DETOUR SIGNING INSTALLED IN STEP 3, CLOSE -L1-/-L2-, AND DETOUR -L1-/-L2- TRAFFIC OFFSITE. REMOVE THE PEDESTRIAN BARRICADES INSTALLED IN STEP 2 AND SHIFT PEDESTRIANS ONTO -L2- 'RIGHT'. REMOVE THE WATER-FILLED BARRIER, PEDESTRIAN CHANNELIZING FENCING, AND INSTALL THE 15" CROSS PIPE LOCATED AT STA. 18+90 +/- -L2-. OPEN -L1-/-L2- TO TRAFFIC, AND REMOVE THE OFFSITE DETOUR SIGNING INSTALLED IN STEP 3. [REFER TO SHEET TMP-02B & 09]

PHASE II

NOTE: PHASE II, STEPS 1 & 2 SHALL BE CONSTRUCTED IN A CONTINUOUS MANNER.

STEP 1A) SHIFT 'ROAD CLOSED' BARRICADES ON -Y4- BEHIND -Y3- AND SHIFT -Y3- TRAFFIC ONTO -Y3-. CONSTRUCT REMAINING SECTION OF -Y4- SIDEWALK. REMOVE PEDESTRIAN BARRICADES FROM THIS SECTION OF SIDEWALK AFTER THE WORK IS COMPLETED. [REFER TO SHEETS TMP-05 & 11]

REMOVE THE TRUCK DETOUR INSTALLED IN PHASE I. [REFER TO SHEET TMP-0B1 FOR REMOVAL OF OFFSITE DETOUR SIGNING]

STEP 1B) INSTALL OFFSITE DETOUR SIGNING AND ROAD CLOSURE SIGNING FOR BOTH US 23 BUSINESS AND MARSHALL ST. AND COVER. INSTALL TYPE III BARRICADES ON THE -L1- LEG OF -RAB- [REFER TO SHEET TMP-02C]

STEP 1C) AWAY FROM TRAFFIC INSTALL TEMPORARY MARKINGS AND MARKERS ON THE FOLLOWING [REFER TO SHEETS TMP-11, 12, & 22]:

- -L2- FROM -RAB- TO STA. 17+22
- -RAB-
- -Y4-
- -Y5-

STEP 2) USING RSD 1101.02 AS NEEDED, COMPLETE THE FOLLOWING IN THIS ORDER [REFER TO SHEETS TMP-10 THRU 12, & 22]:

- WEDGE -L2- EXCEPT FOR THE TIE-IN TO -DR1- UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING TEMPORARY PAVEMENT MARKINGS AND MARKERS, (TIE WEDGING INTO EXISTING -DR1-)
- OPEN -RAB-, -Y4-, -Y5-, AND -Y6- TO THE FINAL TRAFFIC PATTERN
- UNCOVER DETOUR SIGNING, DETOUR -L1-/-L2- AND -Y2- TRAFFIC OFFSITE, AND CLOSE -L1-, -Y1-, -Y2-, AND -DR1-
- CONSTRUCT DRAINAGE BOXES 0520 AND 0521 AND THE PIPE IN BETWEEN (COVER 0520 WITH STEEL PLATING)
- COMPLETE THE WEDGING AT THE -L2-/-DR1- TIE-IN
- INSTALL ALL PHASE II PEDESTRIAN SIGNING AND DEVICES, REMOVE THE PHASE I PEDESTRIAN SIGNING AND DEVICES, AND SHIFT PEDESTRIANS INTO THE PHASE II PATTERN

NOTE: MAINTAIN ACCESS TO ALL PARCELS DURING CONSTRUCTION, AS APPROVED BY THE ENGINEER.

STEP 3) AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING UP TO BUT NOT INCLUDING THE FINAL LIFT OF SURFACE COURSE, INCLUDING CLEARING/GRUBBING, PROPOSED DRAINAGE, CURB AND GUTTER, UTILITIES, ETC. [REFER TO SHEETS TMP-10, 11, & 22]:

- -L1- FROM BEGIN PROJECT LIMITS TO STA. 14+18
- -Y1-
- -Y2-



PHASE III

THE CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN PHASE III, STEPS 1 THRU 3 FROM 6:00 P.M. FRIDAY TO 7:00 A.M. MONDAY. REPEAT WEEKEND WORK AS DIRECTED BY THE ENGINEER TO COMPLETE PHASE III, STEPS 1 THRU 3 (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 1) INSTALL TYPE III BARRICADES ON -DR1-, REMOVE ENOUGH OF THE BARRICADES TO ALLOW PARCEL #3 ACCESS TO MARSHALL ST., ADJUST THE TYPE III BARRICADES ON MARSHALL ST. TO THE -Y2- END CONSTRUCTION LIMITS, AND ADJUST THE TYPE III BARRICADES ON -L1- TO THE BEGIN CONSTRUCTION LIMITS. THEN AWAY FROM TRAFFIC, INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON -L1-, -Y1-, -Y2-, AND THE LOWER HALF OF -DR1-. RETURN ALL OF THE BARRICADES TO THE PHASE II LOCATIONS BY THE END OF THE WORK PERIOD. [REFER TO SHEETS TMP-10, 14, 15, AND THE FINAL PAVEMENT MARKING PLAN]

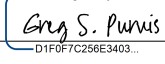
STEP 2) USING RSD 1101.02 AND SHEETS TMP-17 & 18, COMPLETE THE FOLLOWING IN THIS ORDER [REFER TO SHEETS TMP-02A, 16, 17, AND THE FINAL PAVEMENT MARKING PLAN]:


- UNCOVER THE VANCE STREET OFFSITE DETOUR SIGNING AND DETOUR -Y5- TRAFFIC OFFSITE
- INSTALL TYPE III BARRICADES AT -RAB-/-Y5- AND AT -Y5-/-Y6-
- INSTALL TYPE III BARRICADES ON -DR1- AND -L1- AT -Y2-, INSTALL DRUMS AT THE -Y2-/-DR1- INTERSECTION, AND REMOVE THE TYPE III BARRICADES AT THE -Y2- BEGIN PROJECT LIMITS
- INSTALL THE CMS DEVICES AND ADJUST THE PEDESTRIAN SIGNING AND BARRICADES
- INSTALL THE THREE (3) MONOLITHIC CONCRETE ISLANDS AT -L2-/-DR1-
- INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON -L2- 'RIGHT', -RAB- 'RIGHT', -Y4- 'RIGHT', AND THE UPPER HALF OF -DR1--
- RETURN TRAFFIC AND PEDESTRIANS TO THE PHASE II TRAFFIC PATTERN ADJUSTING/REMOVING THE SIGNING/DEVICES IN THE REVERSE ORDER

STEP 3) USING THE SAME PROCEDURE IN PHASE III STEP 2 INSTALL THE FINAL LIFT OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND MARKERS ON THE FOLLOWING [REFER TO SHEETS TMP-02A, 19, & 20]

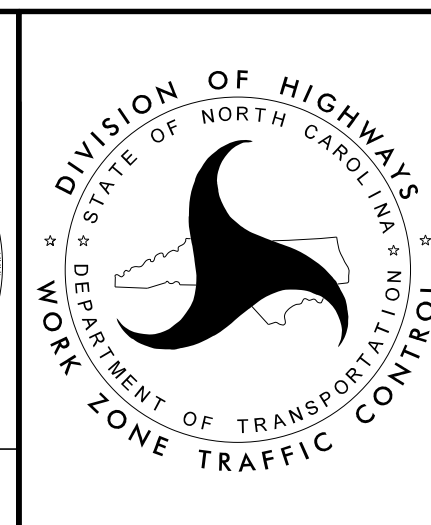
- USING RSD 1101.02 AND SHEETS TMP-19 & 20: -L2- 'LEFT', -RAB- 'LEFT' AND -Y4- 'LEFT'
- UNDER TRAFFIC AND USING DRUMS AS NEEDED: -Y3-, -Y5- FROM BEGIN CONSTRUCTION LIMITS TO -Y6-, AND -Y6-
- AWAY FROM TRAFFIC: -Y5- FROM -Y6- TO -RAB-

STEP 4) AT THE END OF PHASE III, STEP 3, REMOVE ALL TRAFFIC MANAGEMENT DEVICES AND DETOUR SIGNING, AND OPEN THE ENTIRE PROJECT TO THE FINAL TRAFFIC PATTERN. [REFER TO SHEETS TMP-16, 19, & 20 FOR REMOVAL OF TRAFFIC MANAGEMENT DEVICES AND ON-SITE DETOUR SIGNING] [REFER TO SHEETS TMP-02, 02A, & 02C FOR REMOVAL OF TRAFFIC MANAGEMENT DEVICES, ROAD CLOSURE SIGNING, AND OFFSITE DETOUR SIGNING] [REFER TO RSD 1101.01 FOR REMOVAL OF ALL ADVANCE WARNING SIGNING]

APPROVED: 
 DATE: 9/23/2021



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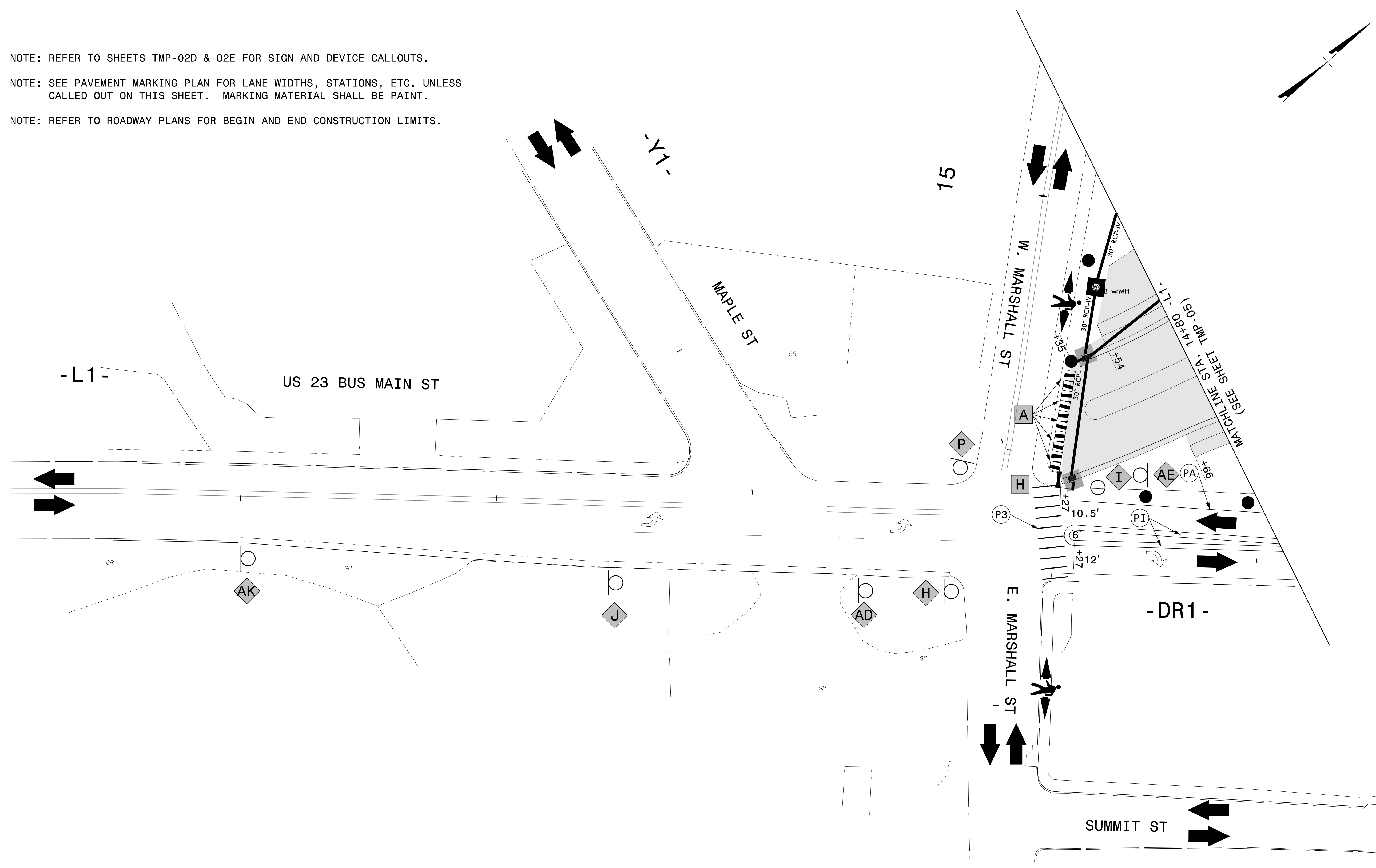
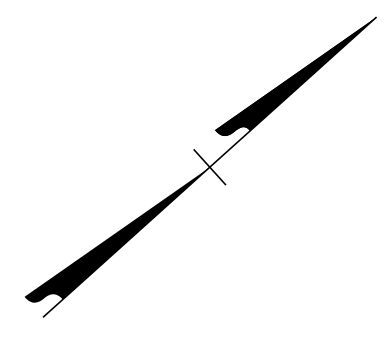
PHASING

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NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

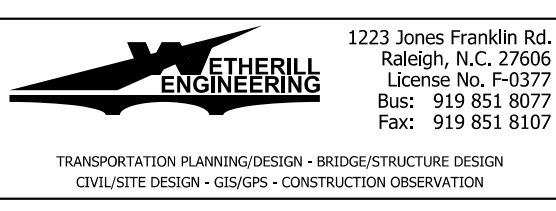
NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

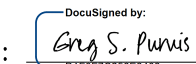
NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



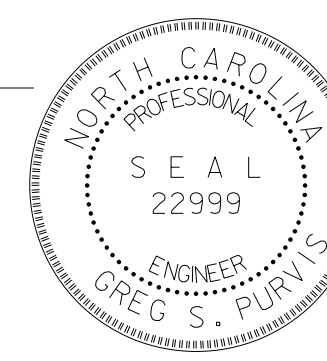
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 Fax: 919 851 8107

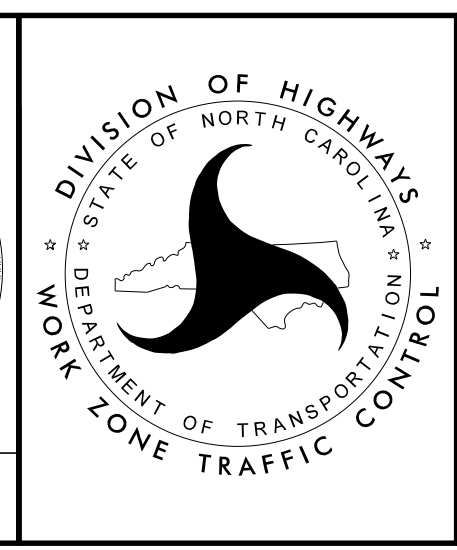


APPROVED: 

DATE: 9/23/2021



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**PHASE I, STEPS 1 THRU 2A
DETAIL**

NOTE: REFER TO SHEET TMP-02 FOR CONTINUATION OF PEDESTRIAN DETOUR ROUTE.

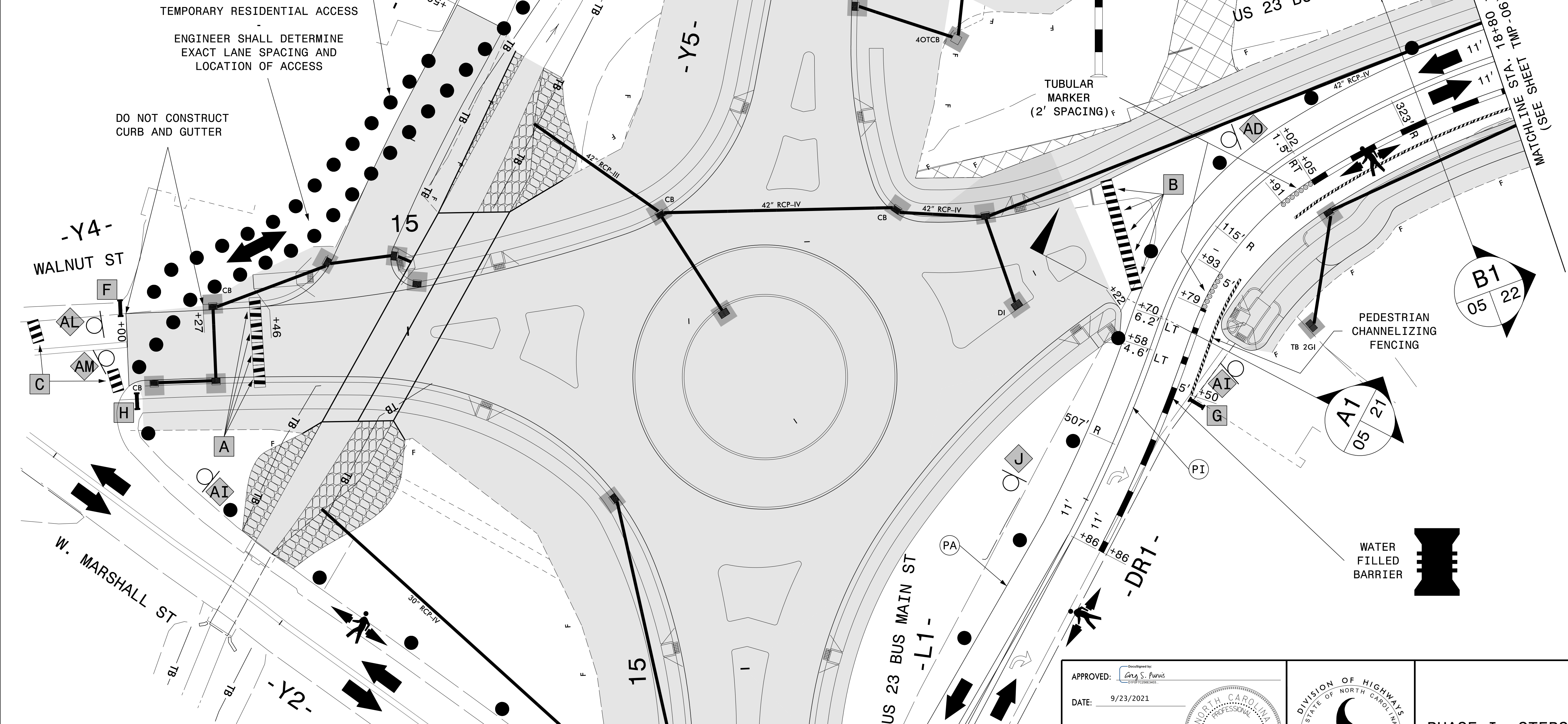
NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02C FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOURS.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

NOTE: THE TEMPORARY RESIDENTIAL ACCESS SHALL NOT BE INSTALLED UNTIL PHASE I, STEP 2A.



TEMPORARY RESIDENTIAL ACCESS

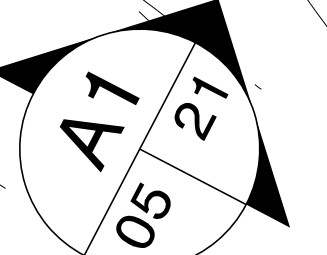
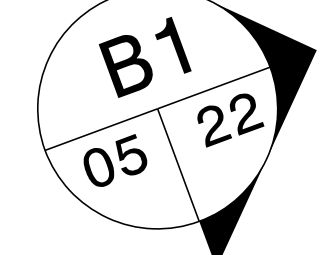
ENGINEER SHALL DETERMINE EXACT LANE SPACING AND LOCATION OF ACCESS

DO NOT CONSTRUCT CURB AND GUTTER

TUBULAR MARKER (2' SPACING)

PEDESTRIAN CHANNELIZING FENCING

WATER FILLED BARRIER



MATCHLINE STA. 14+80 -L1- (SEE SHEET TMP-04)

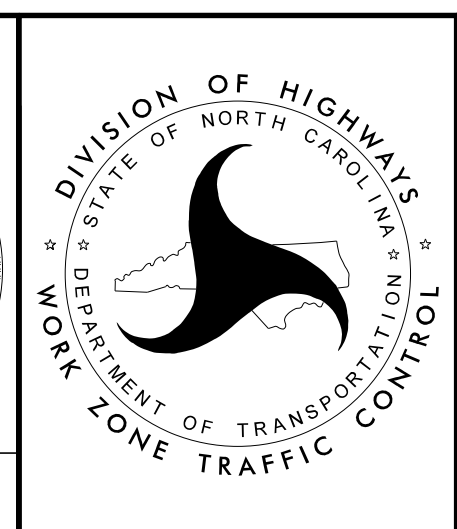
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APPROVED: *Greg S. Purvis*

DATE: 9/23/2021

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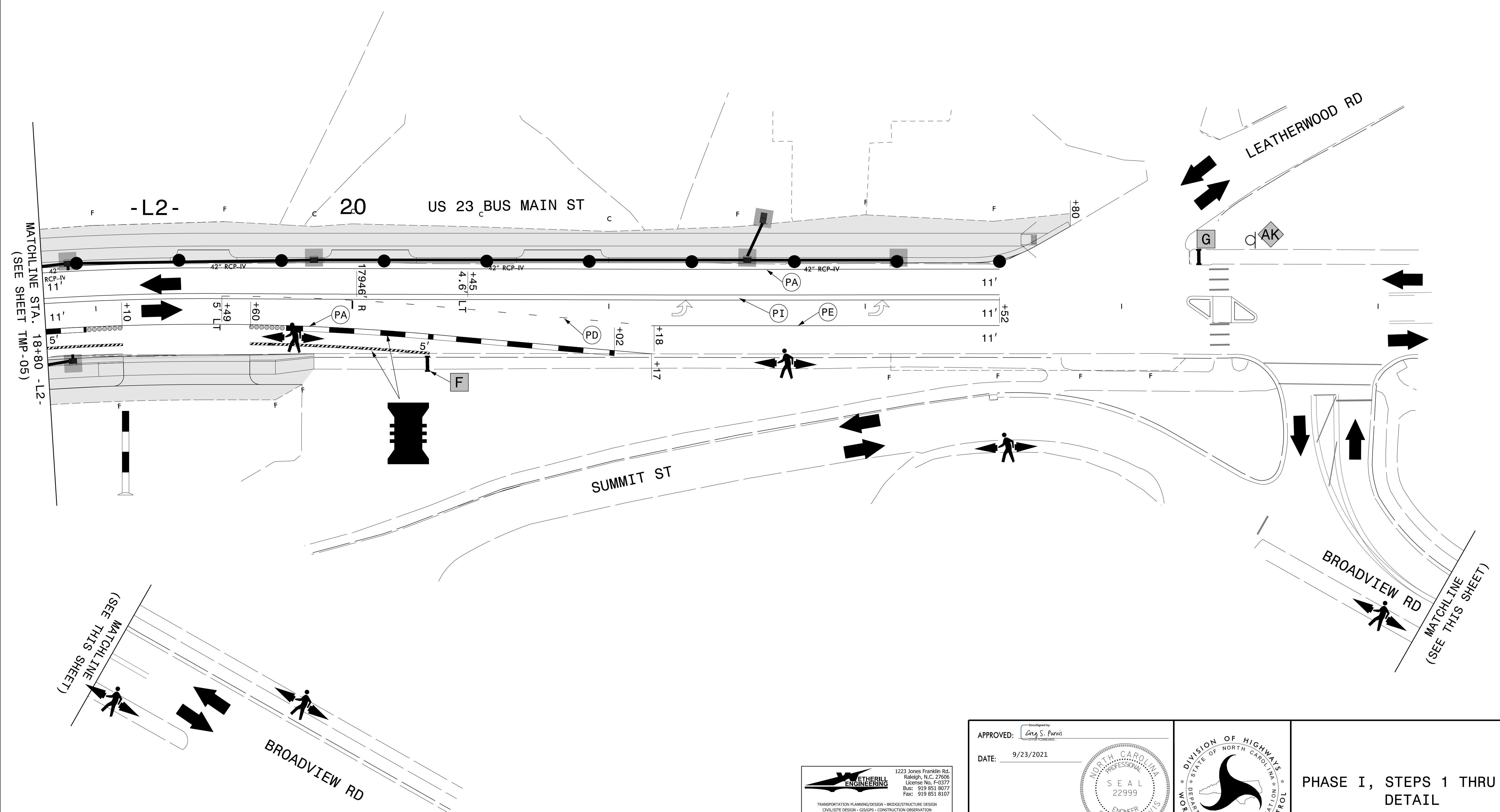
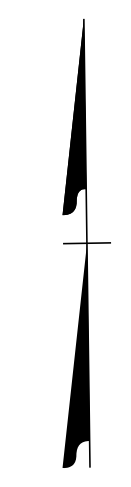


**PHASE I, STEPS 1 THRU 2A
 DETAIL**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



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 TRANSPORTATION PLANNING DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/PS - CONSTRUCTION OBSERVATION

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 DATE: 9/23/2021

**PHASE I, STEPS 1 THRU 2A
 DETAIL**

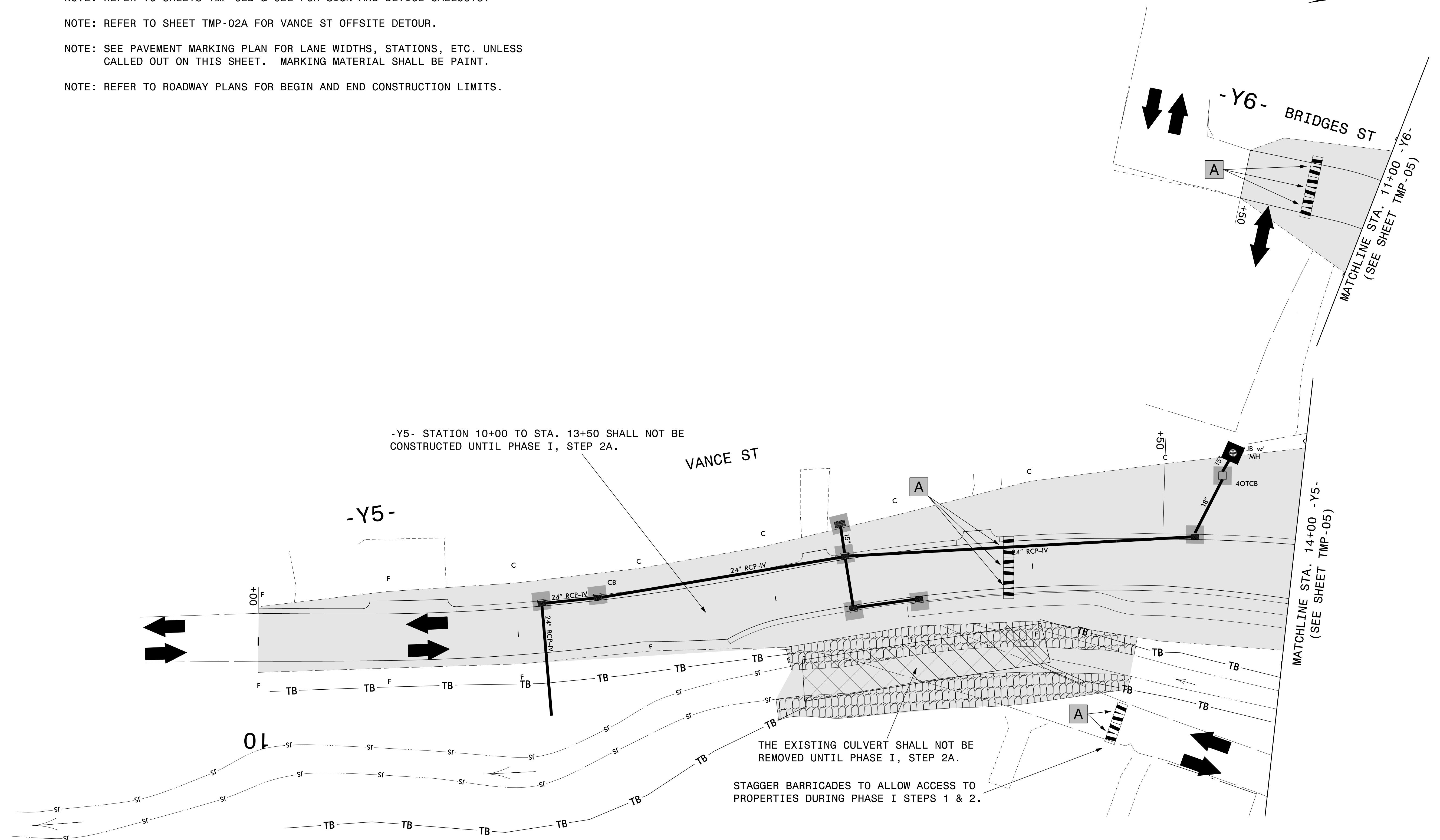
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UNLESS ALL SIGNATURES COMPLETED**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02A FOR VANCE ST OFFSITE DETOUR.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



-Y5- STATION 10+00 TO STA. 13+50 SHALL NOT BE CONSTRUCTED UNTIL PHASE I, STEP 2A.

THE EXISTING CULVERT SHALL NOT BE REMOVED UNTIL PHASE I, STEP 2A.


STAGGER BARRICADES TO ALLOW ACCESS TO PROPERTIES DURING PHASE I STEPS 1 & 2.

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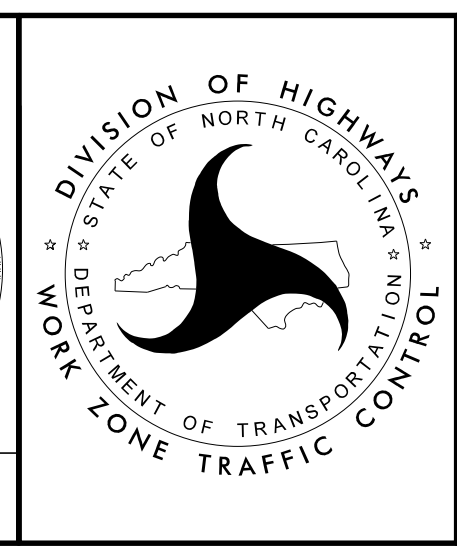
ETHERILL ENGINEERING
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 Fax: 919 851 8107
TRANSPORTATION PLANNING DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GIS - CONSTRUCTION OBSERVATION

APPROVED: *Greg S. Purvis*

DATE: 9/23/2021


 NORTH CAROLINA PROFESSIONAL ENGINEER
 GREG S. PURVIS
 22999

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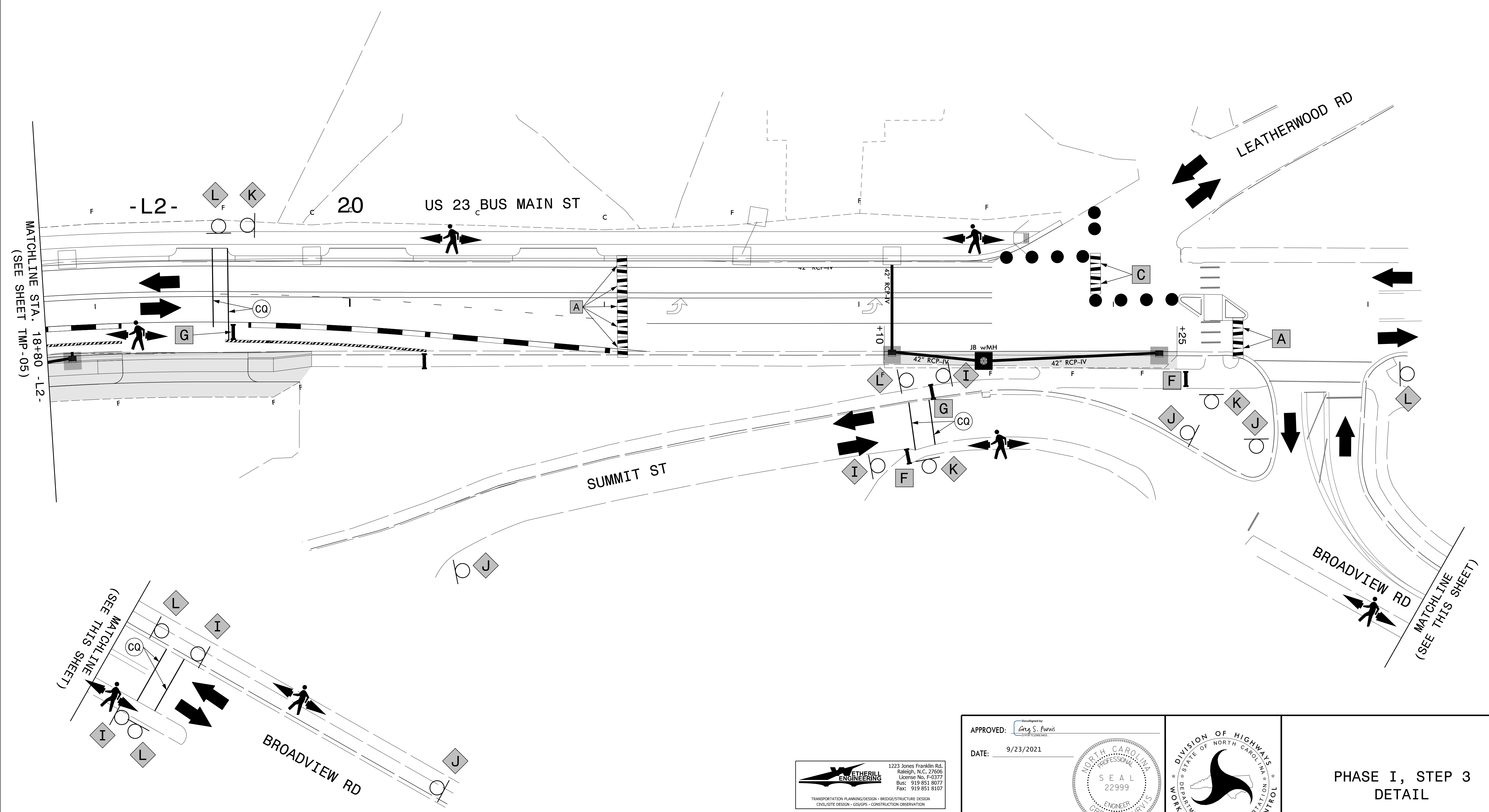
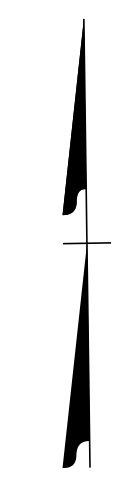
**PHASE I, STEPS 1 THRU 2A
DETAIL**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02B FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOUR FOR CROSS PIPE INSTALLATION.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



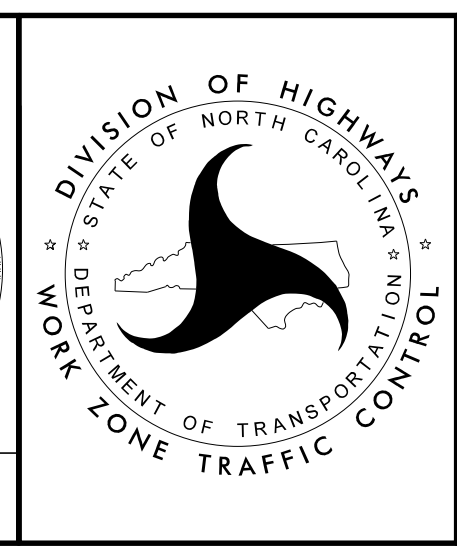
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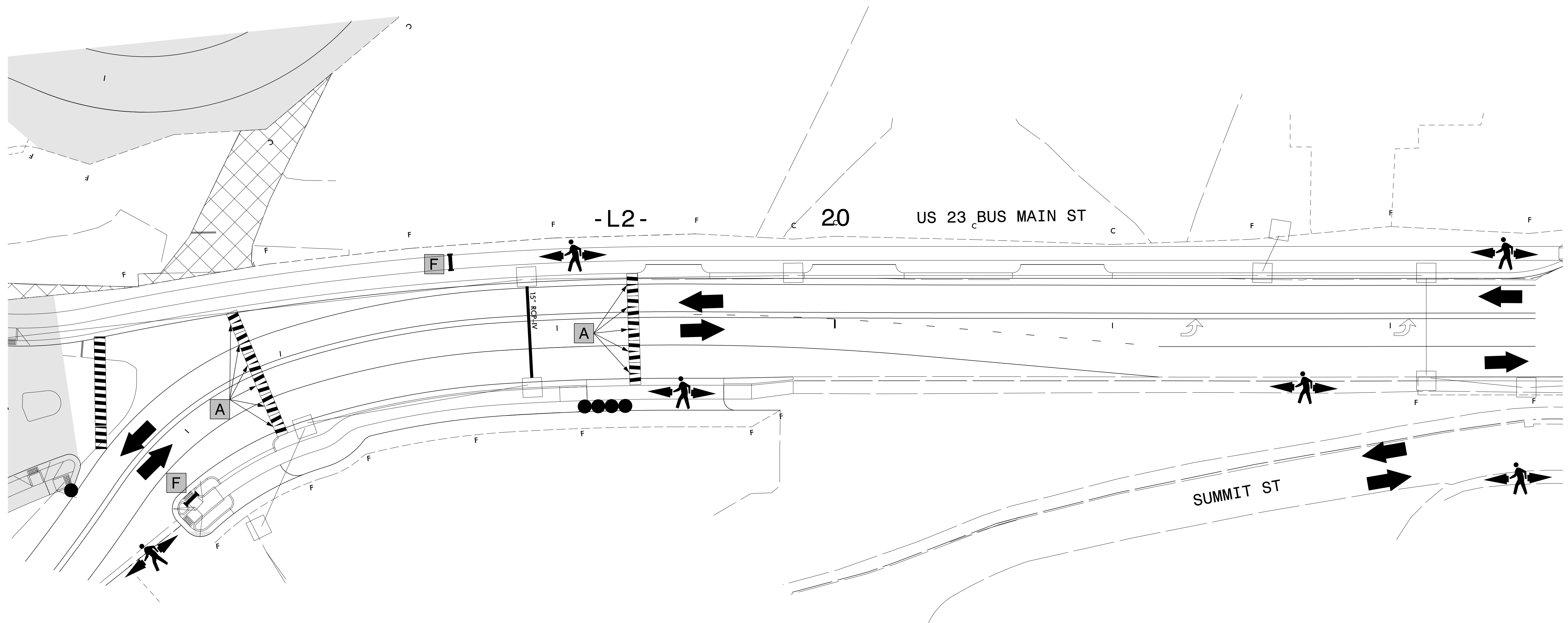
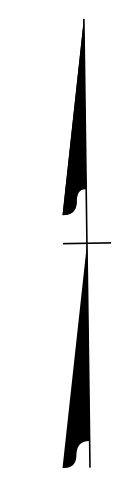
**PHASE I, STEP 3
DETAIL**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02B FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOUR FOR CROSS PIPE INSTALLATION.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

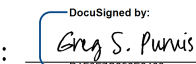


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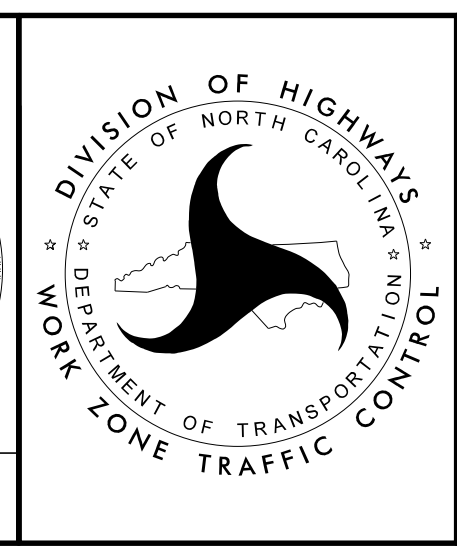
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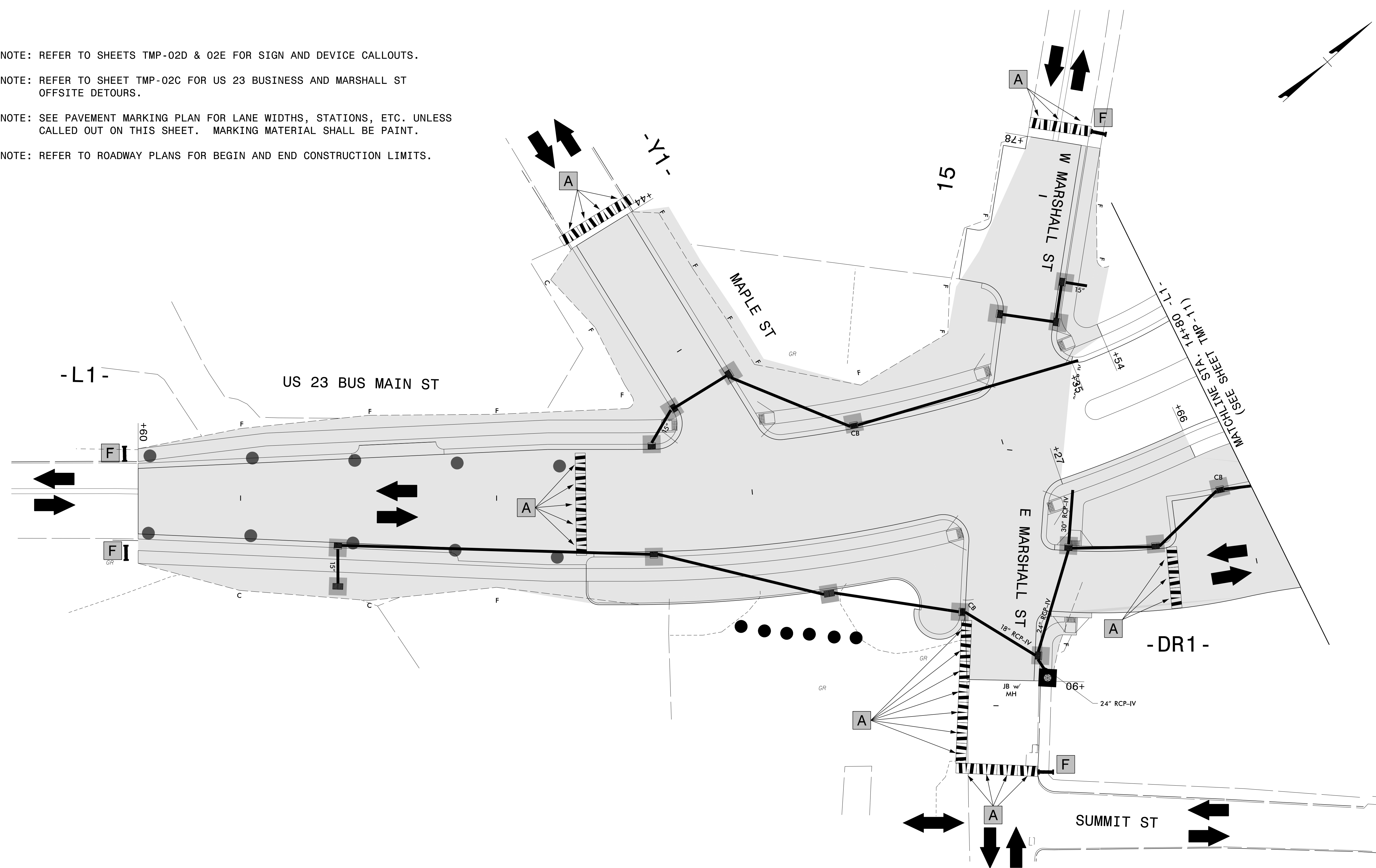
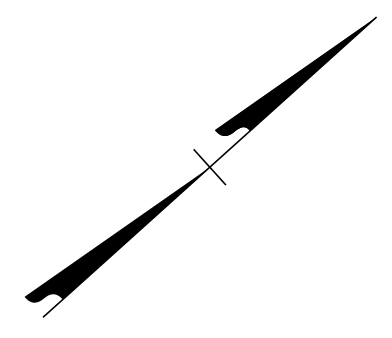
**PHASE I, STEP 4
 DETAIL**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02C FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOURS.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



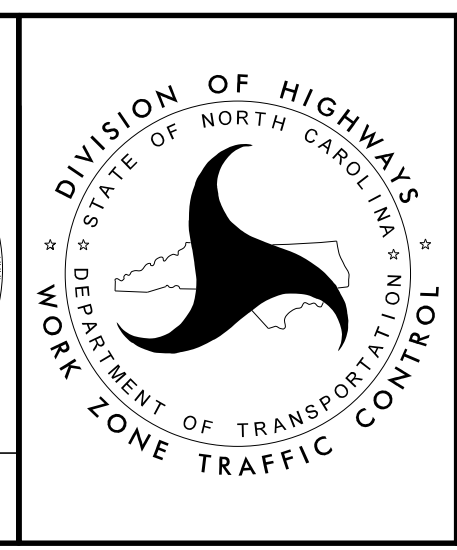
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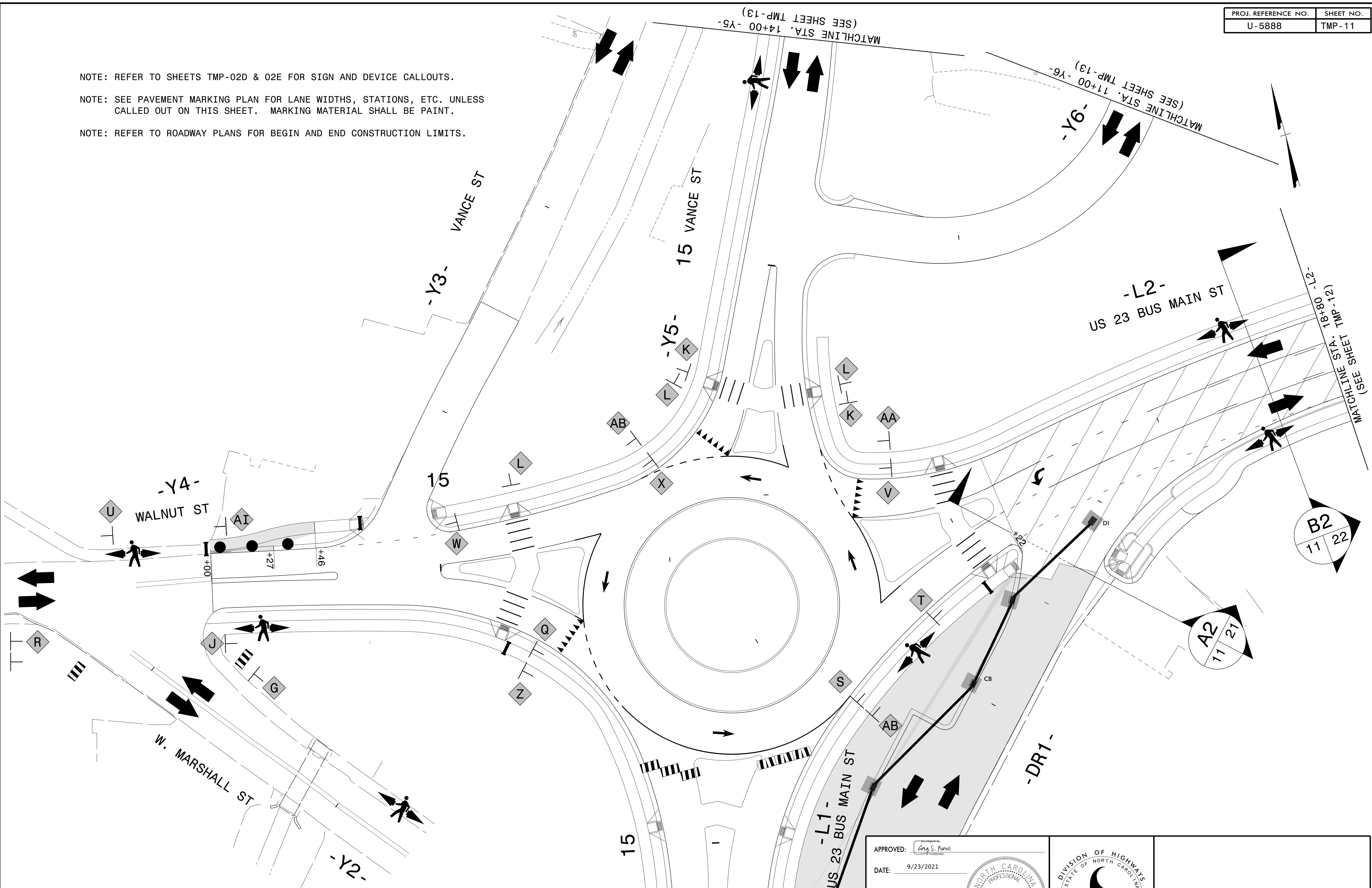
PHASE II DETAIL

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

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MATCHLINE STA. 14+80 -L1-
(SEE SHEET TMP-10)

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 CIVIL/STEEL DESIGN • GIS/GISPS • CONSTRUCTION OBSERVATION

APPROVED:
 DATE: 9/23/2021

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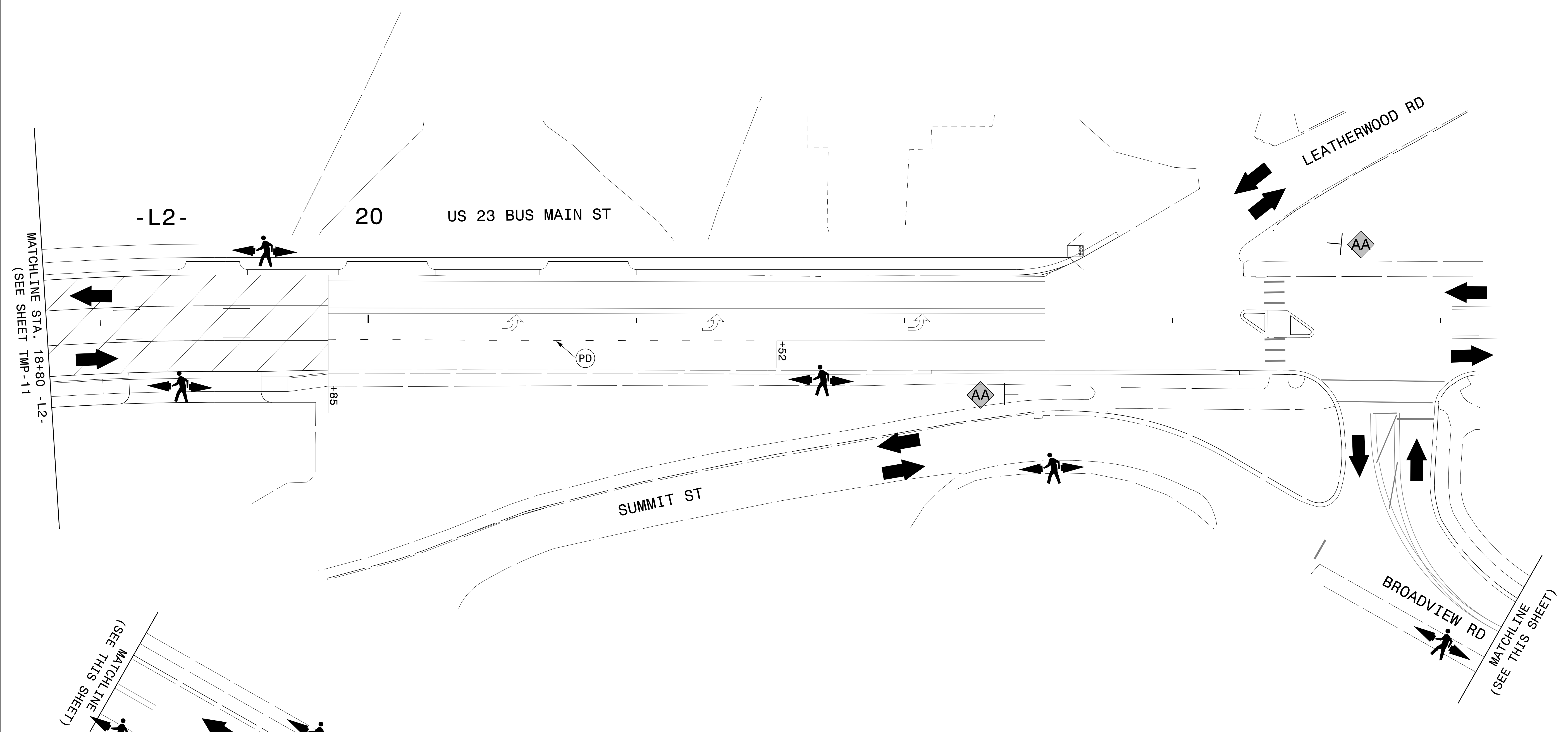
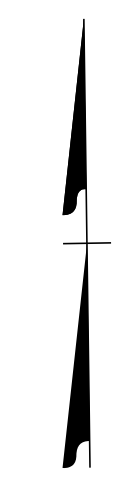
DIVISION OF HIGHWAYS
 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

PHASE II DETAIL

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

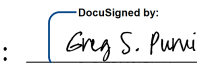
NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

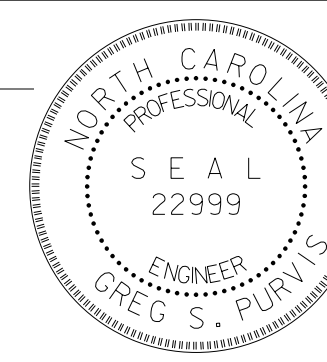


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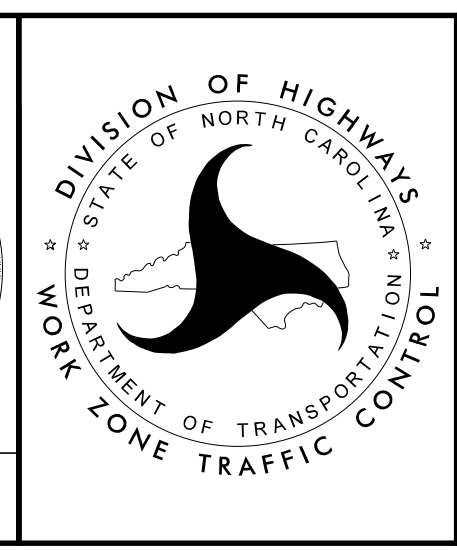
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 Fax: 919 851 8107
ETHERILL ENGINEERING
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 CIVIL/SITE DESIGN - GIS/GIS - CONSTRUCTION OBSERVATION

APPROVED: 

DATE: 9/23/2021



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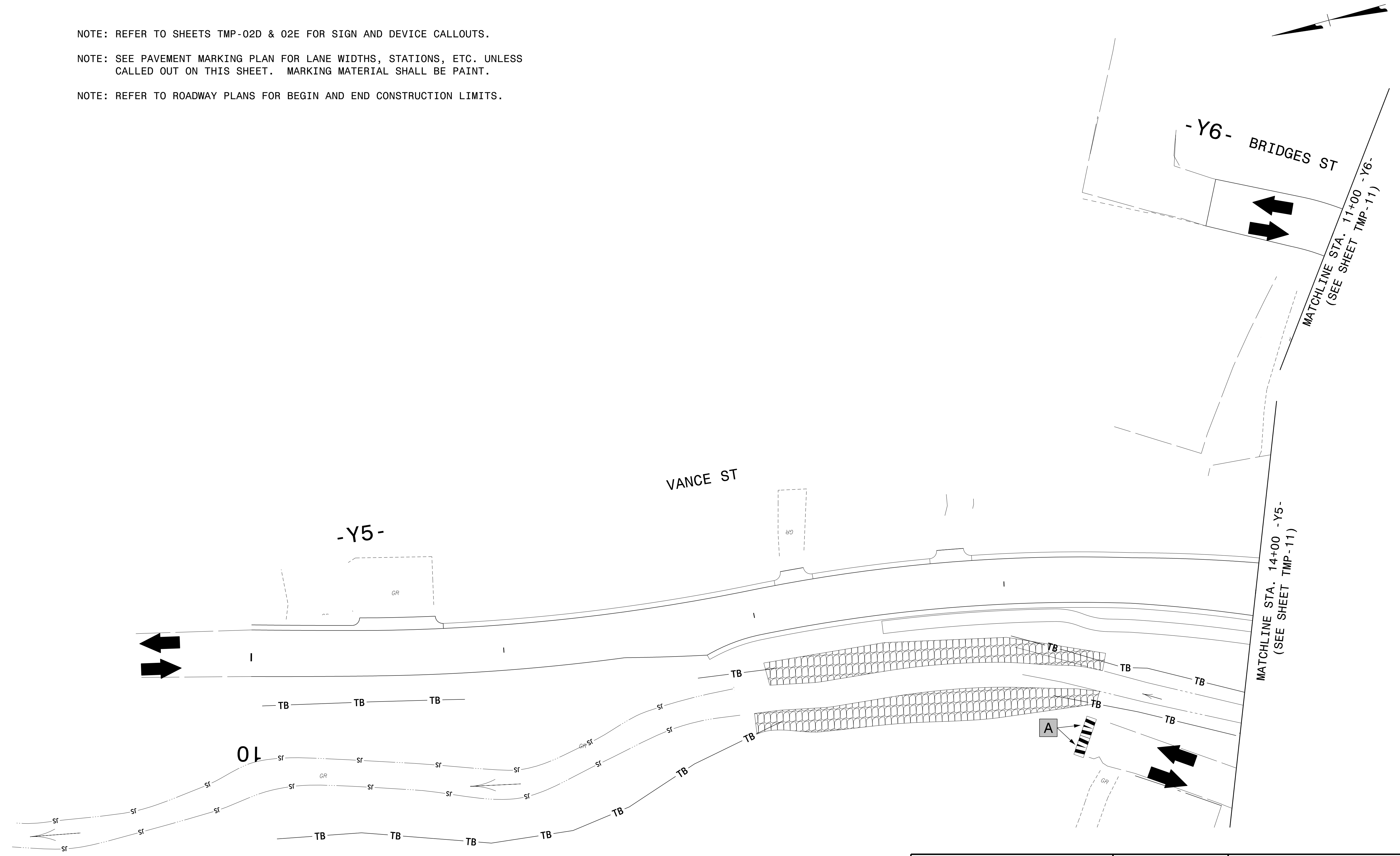
PHASE II DETAIL

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC. UNLESS CALLED OUT ON THIS SHEET. MARKING MATERIAL SHALL BE PAINT.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

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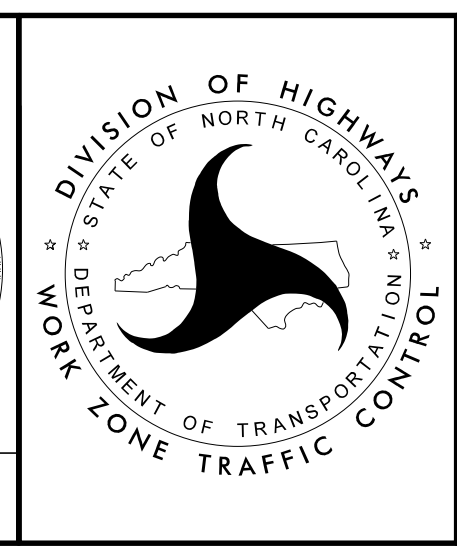
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APPROVED: *Greg S. Purvis*

DATE: 9/23/2021

NORTH CAROLINA PROFESSIONAL SEAL
 ENGINEER
 GREG S. PURVIS
 22999

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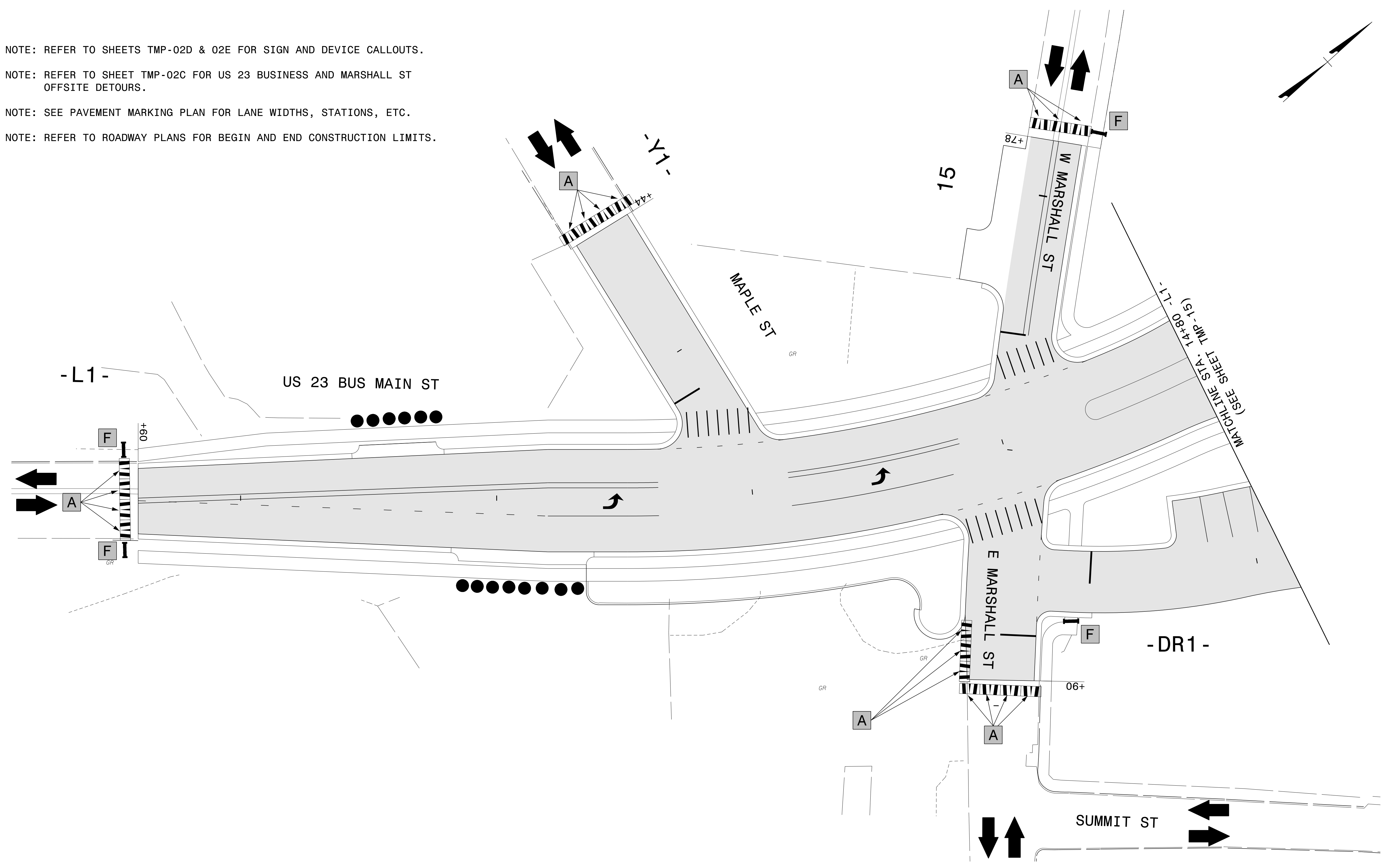
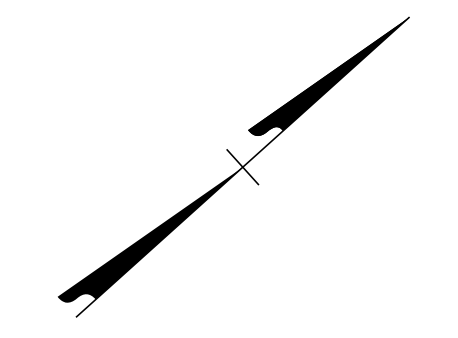
PHASE II DETAIL

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02C FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOURS.

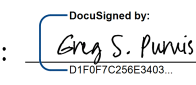
NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.

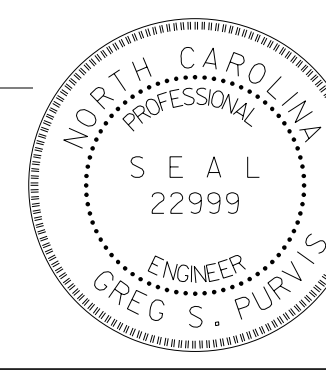
NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.



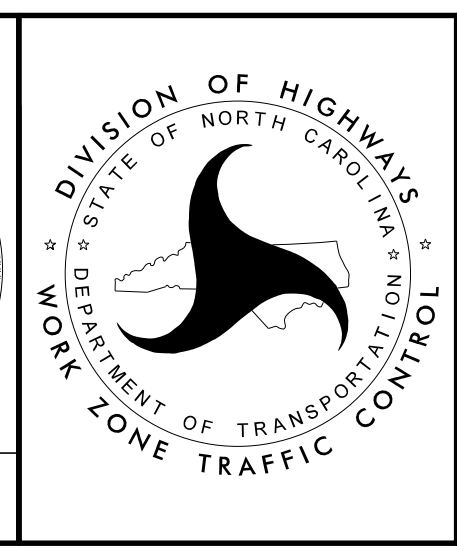
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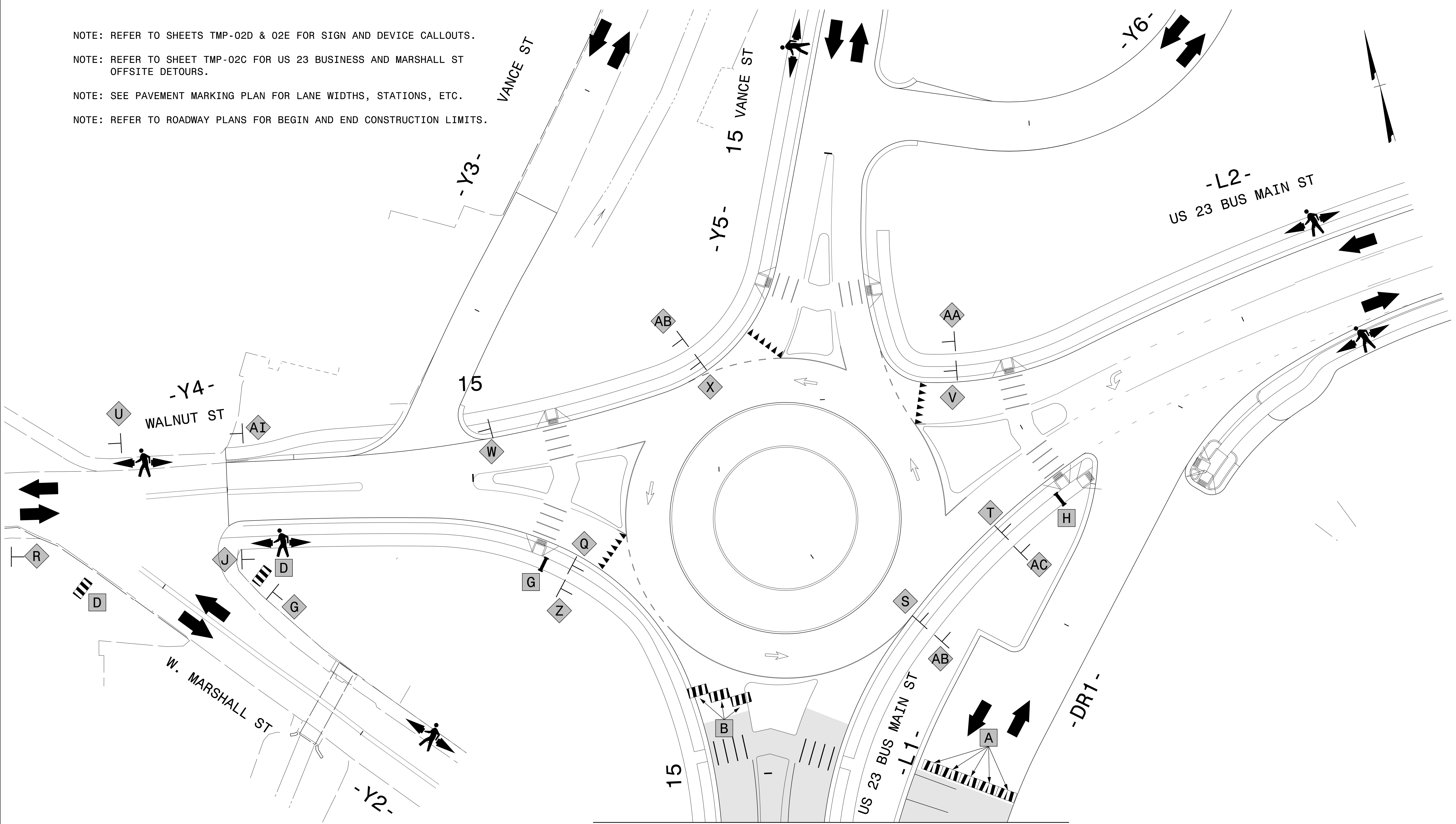


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**PHASE III, STEP 1
 DETAIL**

NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.
 NOTE: REFER TO SHEET TMP-02C FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOURS.
 NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.
 NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

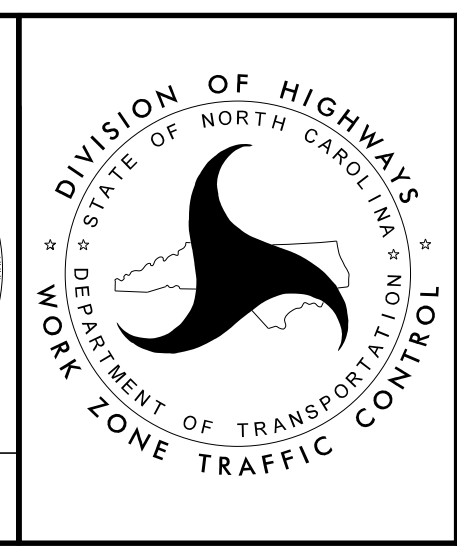


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 CIVIL/SITE DESIGN - GIS/GIS - CONSTRUCTION OBSERVATION

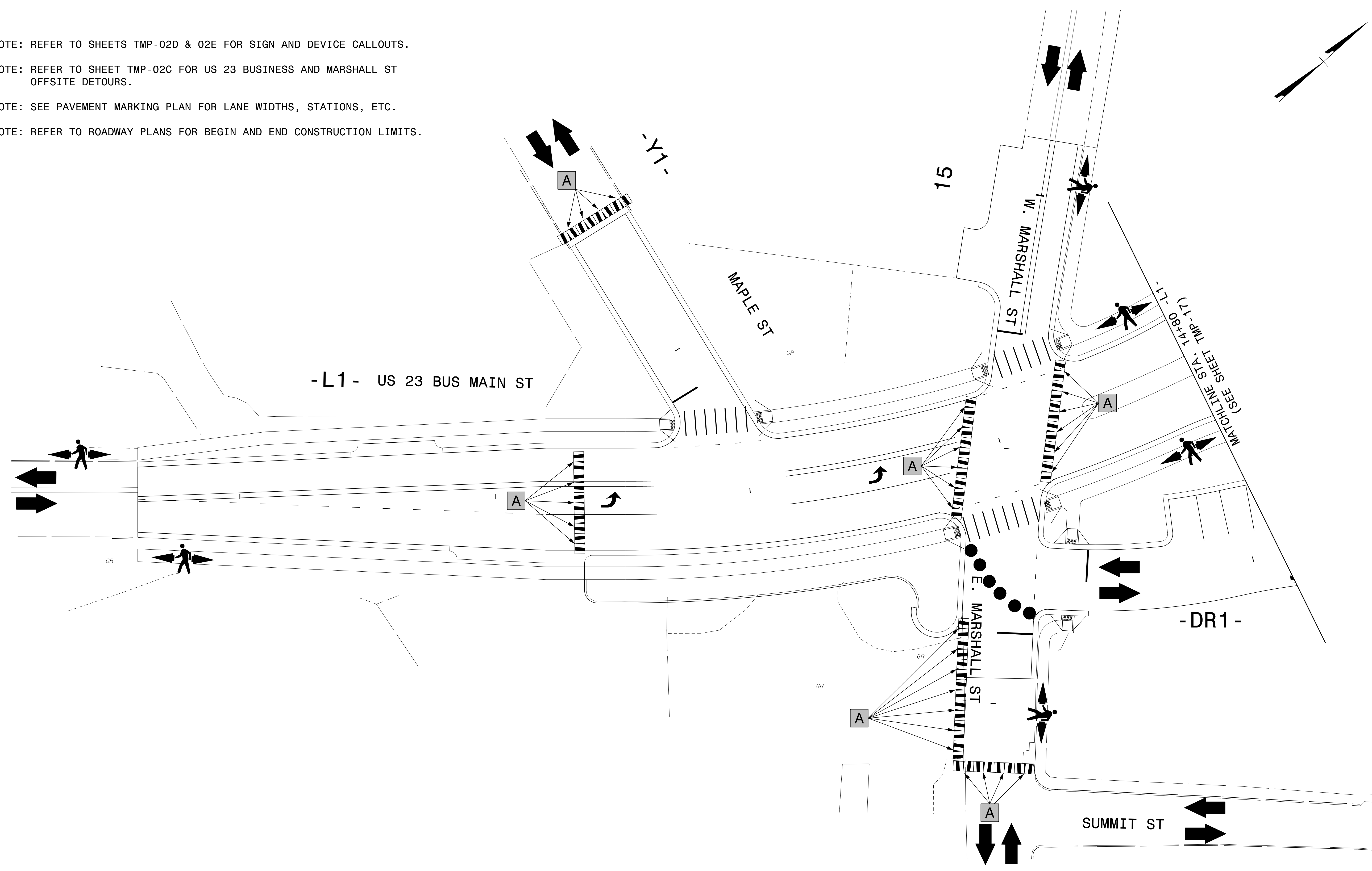
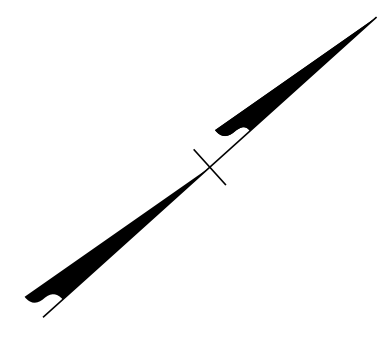
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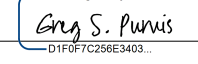
**PHASE III, STEP 1
 DETAIL**


NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.
 NOTE: REFER TO SHEET TMP-02C FOR US 23 BUSINESS AND MARSHALL ST OFFSITE DETOURS.
 NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.
 NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

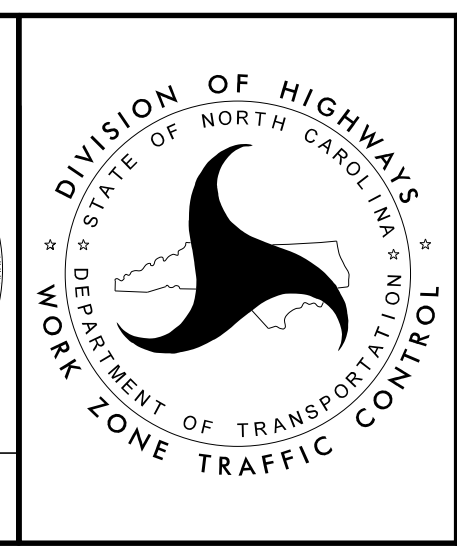


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**PHASE III, STEP 2
 DETAIL**

NOTE: ALTERNATE CROSSWALK CLOSURES ON -L2- AND -Y4-. ONLY ONE CROSSWALK SHALL BE CLOSED AT ANY TIME.

NOTE: REFER TO RSD 1101.02 FOR GENERAL NOTES, DIMENSIONS, AND SIGNING.


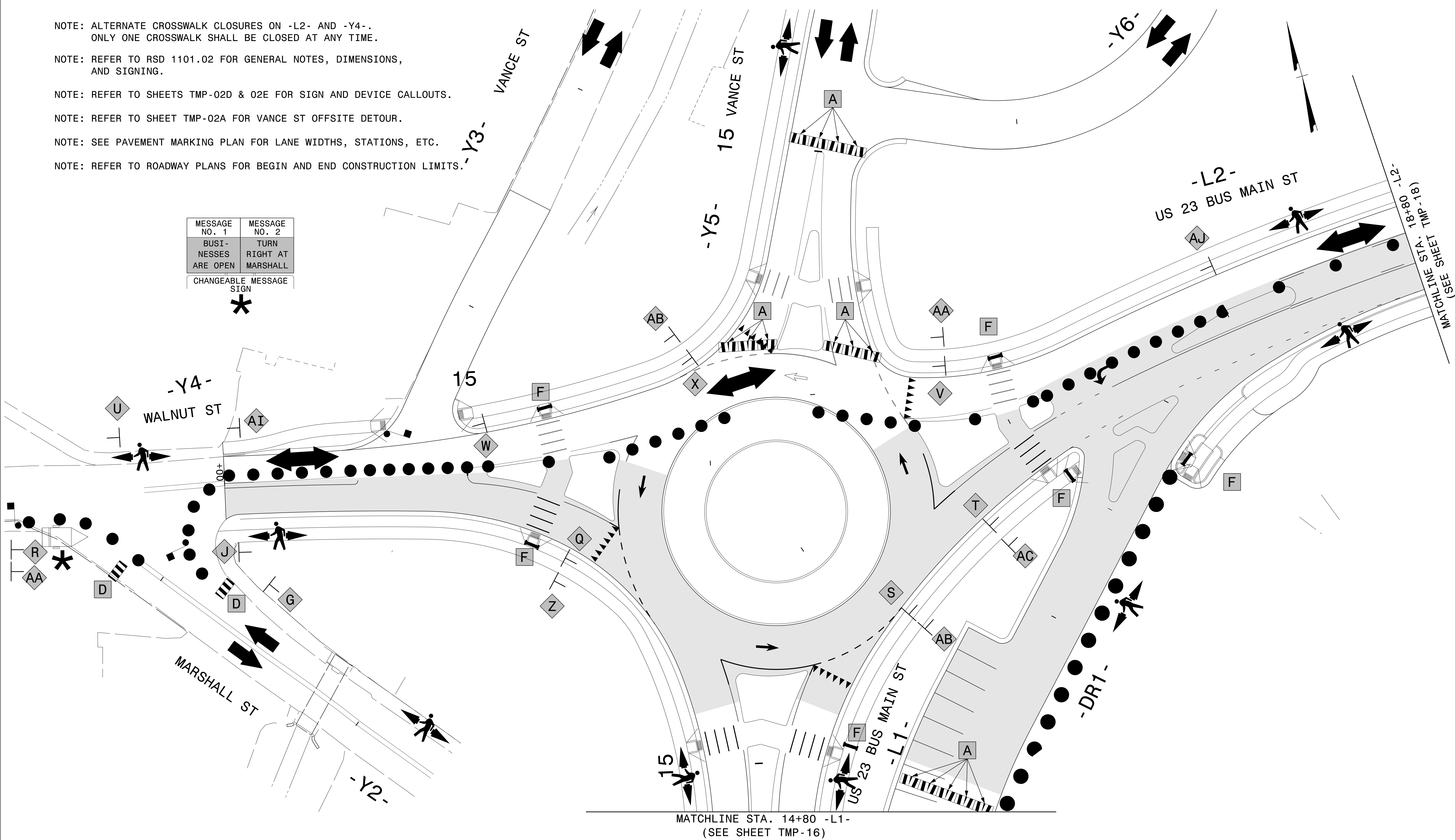
NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02A FOR VANCE ST OFFSITE DETOUR.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.


NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

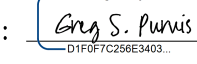
MESSAGE NO. 1	MESSAGE NO. 2
BUSINESSES ARE OPEN	TURN RIGHT AT MARSHALL
CHANGEABLE MESSAGE SIGN	


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 User: AHayes

MATCHLINE STA. 14+80 -L1-
(SEE SHEET TMP-16)



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 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

PHASE III, STEP 2
DETAIL

NOTE: REFER TO RSD 1101.02 FOR GENERAL NOTES, DIMENSIONS, AND SIGNING.

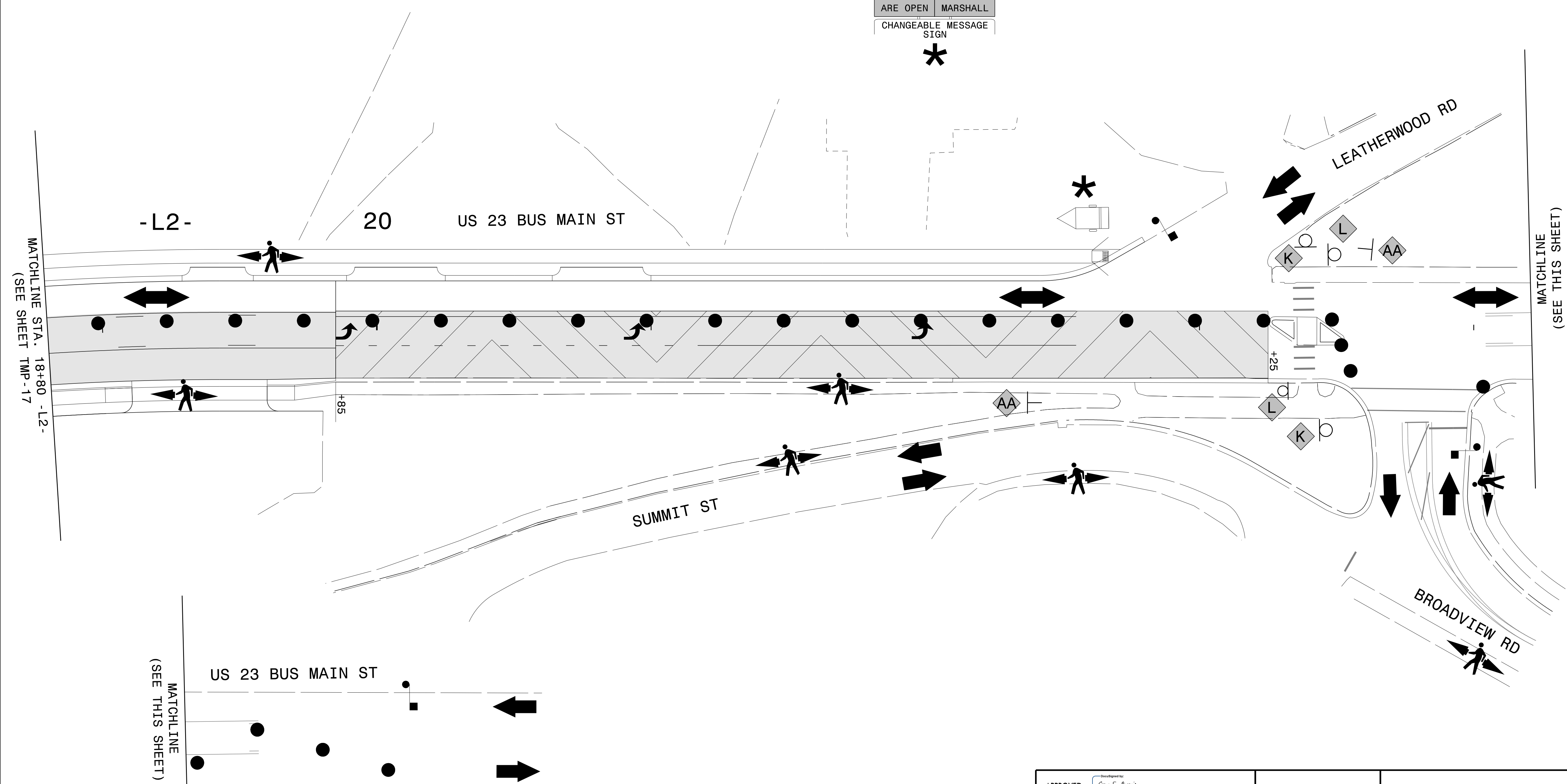
NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02A FOR VANCE ST OFFSITE DETOUR.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

MESSAGE NO. 1	MESSAGE NO. 2
BUSINESSES ARE OPEN	TURN LEFT AT MARSHALL
CHANGEABLE MESSAGE SIGN	




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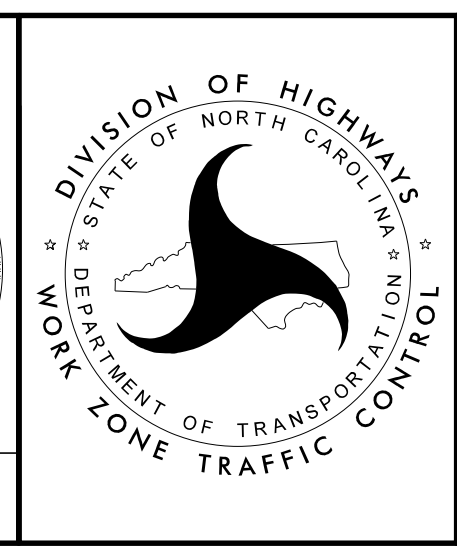
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APPROVED: *Greg S. Purvis*

DATE: 9/23/2021


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 GREG S. PURVIS
 22999

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**PHASE III, STEP 2
DETAIL**

NOTE: ALTERNATE CROSSWALK CLOSURES ON -L2- AND -Y4-. ONLY ONE CROSSWALK SHALL BE CLOSED AT ANY TIME.

NOTE: REFER TO RSD 1101.02 FOR GENERAL NOTES, DIMENSIONS, AND SIGNING.

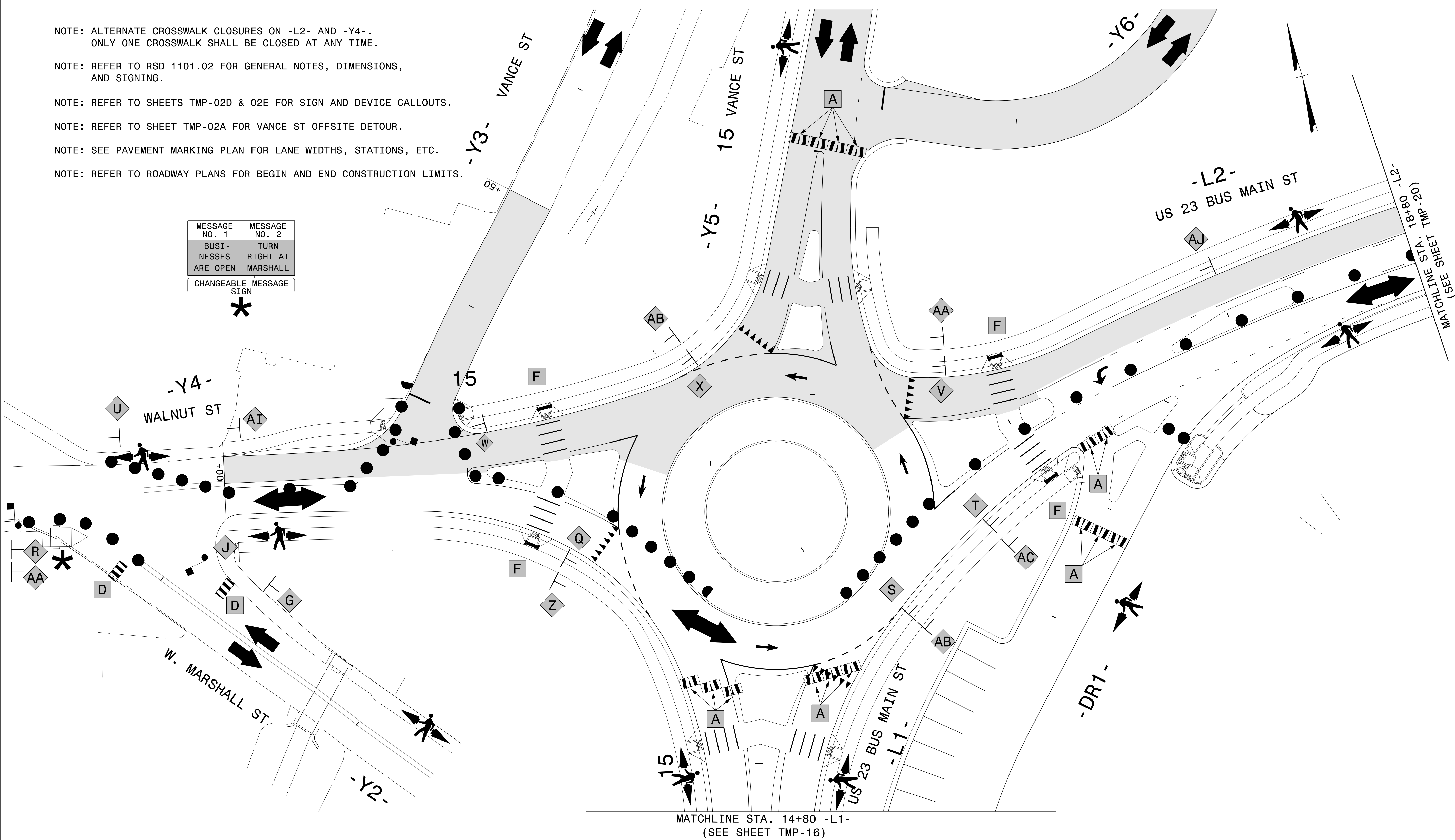
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NOTE: REFER TO SHEET TMP-02A FOR VANCE ST OFFSITE DETOUR.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

MESSAGE NO. 1	MESSAGE NO. 2
BUSI- NESSES ARE OPEN	TURN RIGHT AT MARSHALL
CHANGEABLE MESSAGE SIGN	



MATCHLINE STA. 14+80 -L1-
(SEE SHEET TMP-16)

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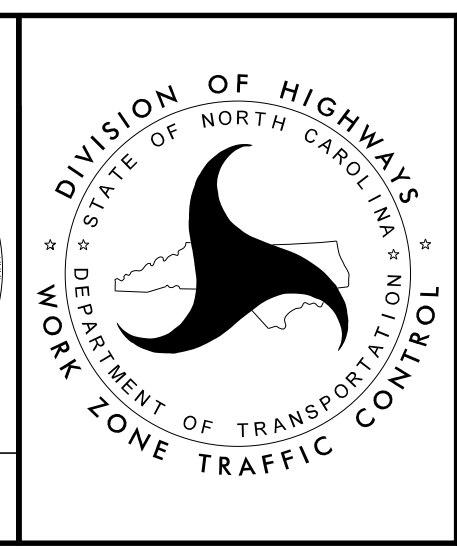
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APPROVED: *Greg S. Purvis*

DATE: 9/23/2021

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 GREG S. PURVIS
 22999

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PHASE III, STEP 3
DETAIL

NOTE: REFER TO RSD 1101.02 FOR GENERAL NOTES, DIMENSIONS, AND SIGNING.

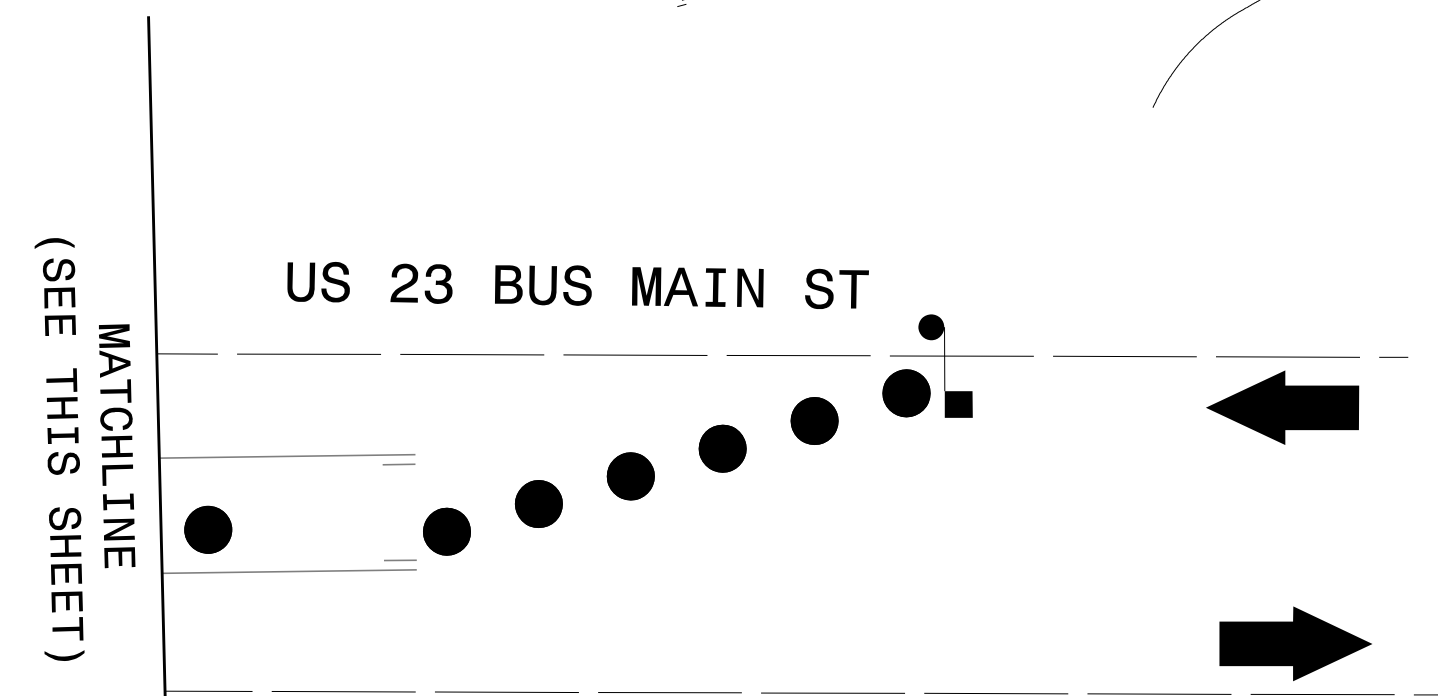
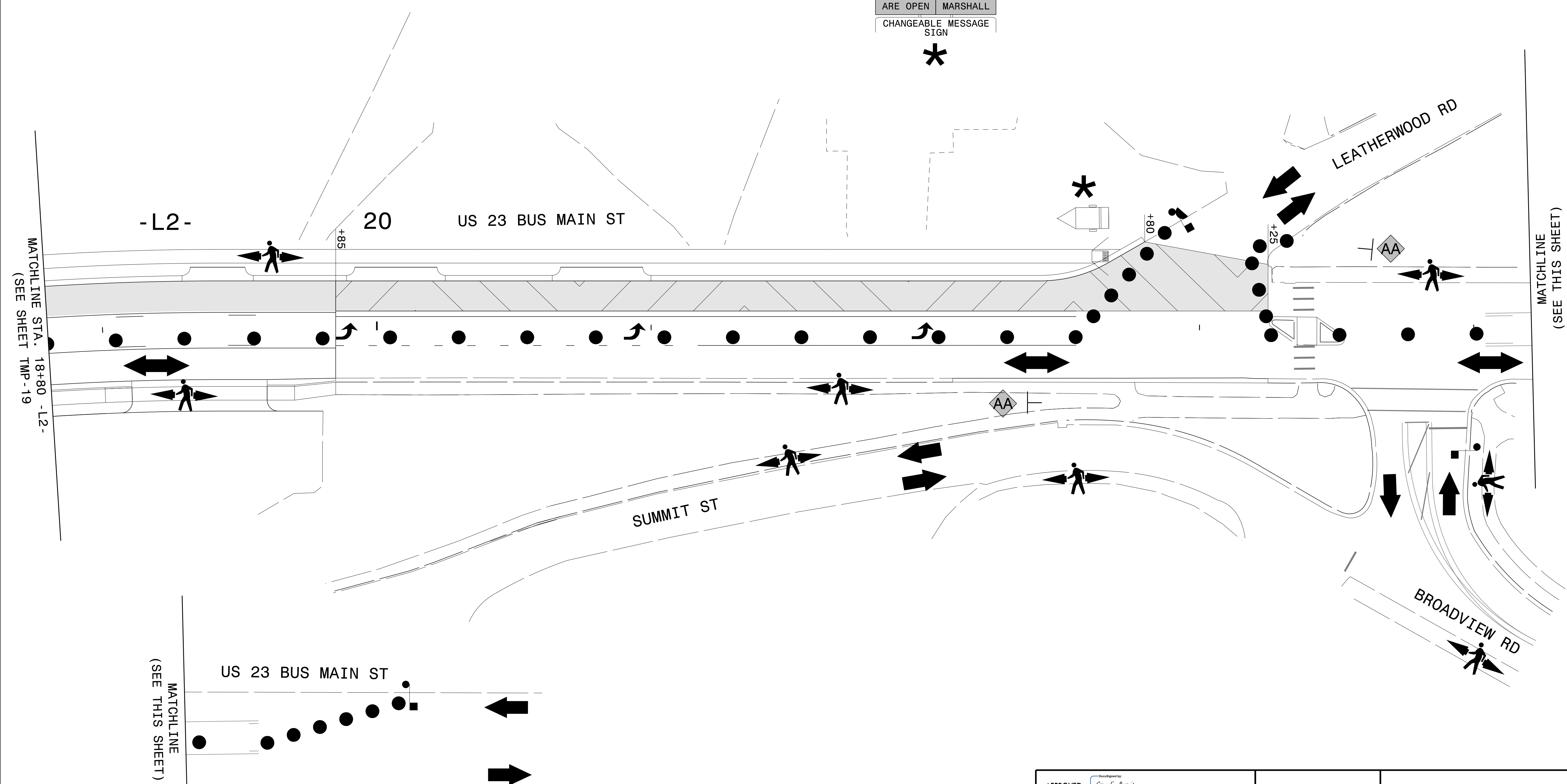
NOTE: REFER TO SHEETS TMP-02D & 02E FOR SIGN AND DEVICE CALLOUTS.

NOTE: REFER TO SHEET TMP-02A FOR VANCE ST OFFSITE DETOUR.

NOTE: SEE PAVEMENT MARKING PLAN FOR LANE WIDTHS, STATIONS, ETC.

NOTE: REFER TO ROADWAY PLANS FOR BEGIN AND END CONSTRUCTION LIMITS.

MESSAGE NO. 1	MESSAGE NO. 2
BUSI- NESSES ARE OPEN	TURN LEFT AT MARSHALL
CHANGEABLE MESSAGE SIGN	

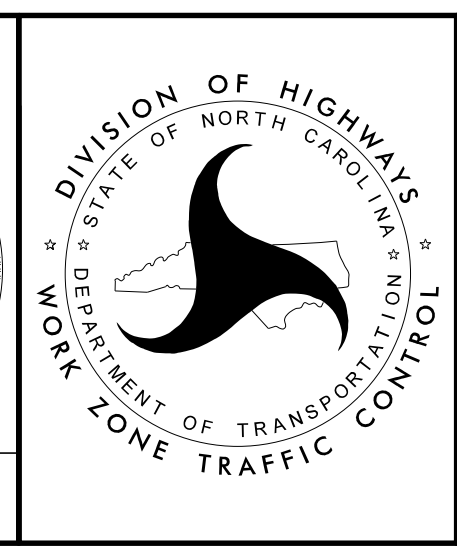


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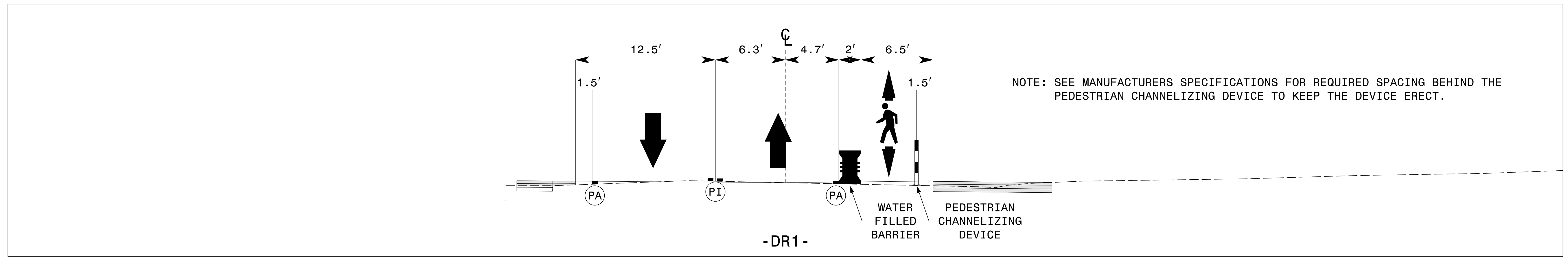
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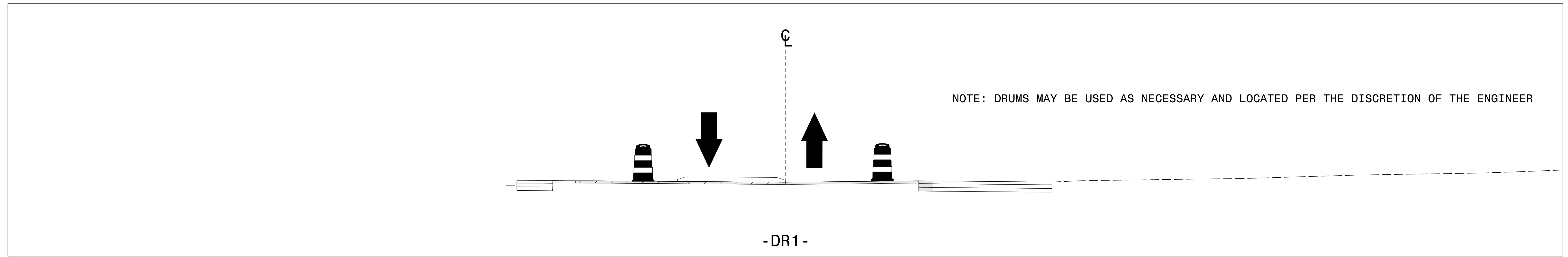
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**PHASE III, STEP 3
DETAIL**



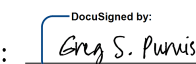
A1
05 | 21
STA. 12+70 -DR1-
CUT SECTION



A2
11 | 21
STA. 12+70 -DR1-
CUT SECTION

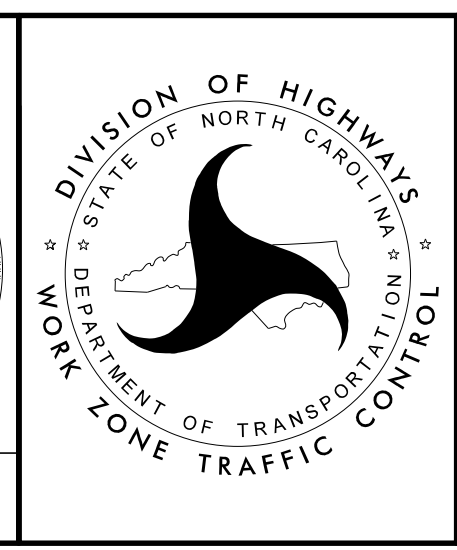
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User:AHayes

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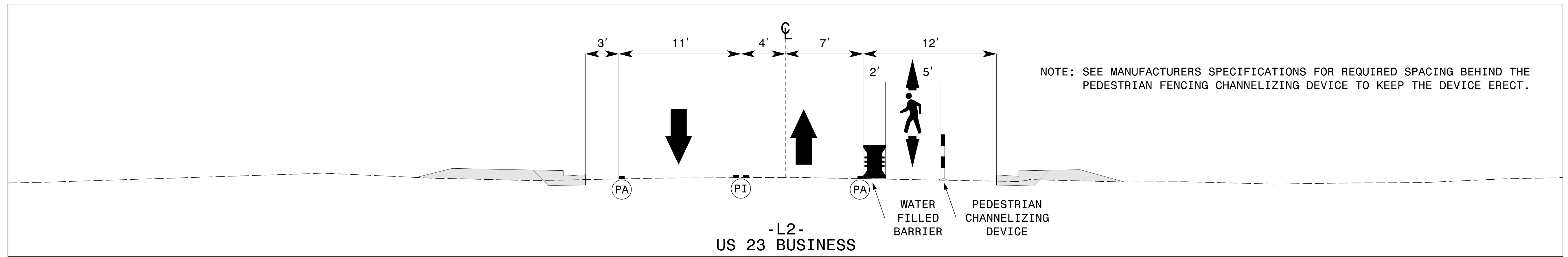
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NORTH CAROLINA PROFESSIONAL ENGINEER
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22999

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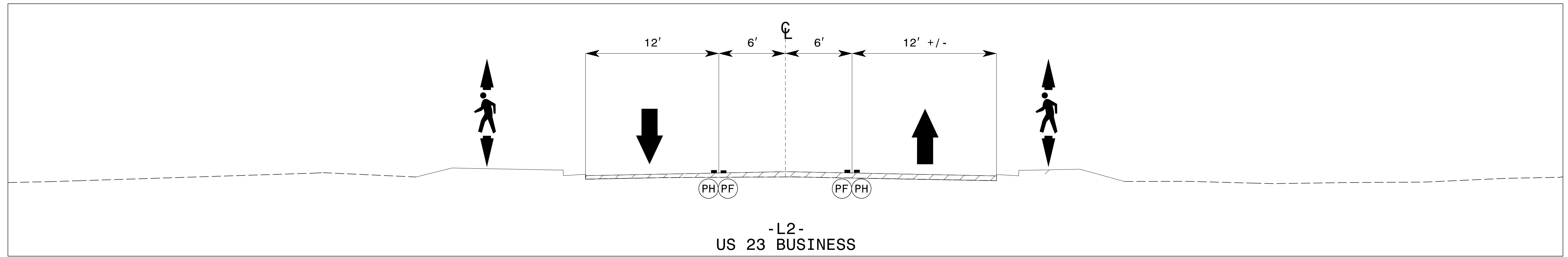


TEMPORARY CUT SECTION A



B1
 05 | 22

 STA. 18+50 -L2-
 CUT SECTION

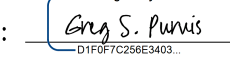
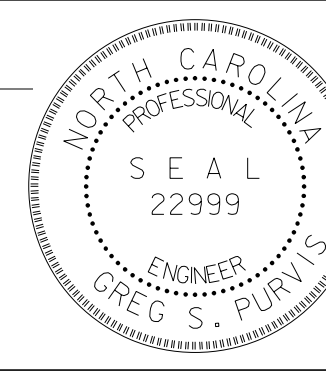


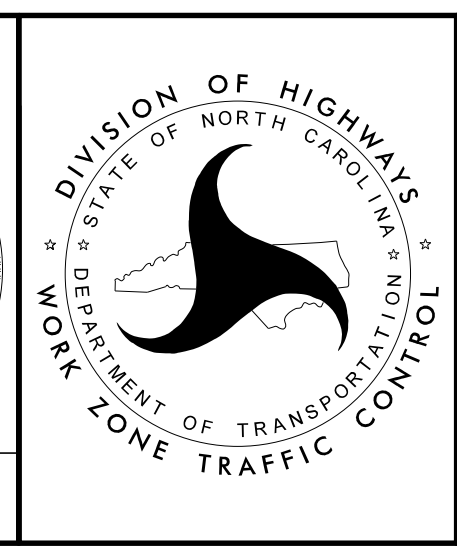
B2
 11 | 22

 STA. 18+50 -L2-
 CUT SECTION

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TEMPORARY CUT SECTION B