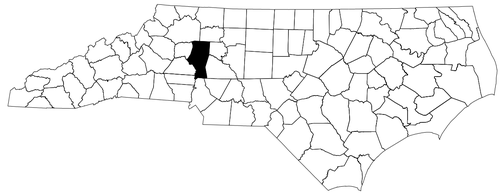
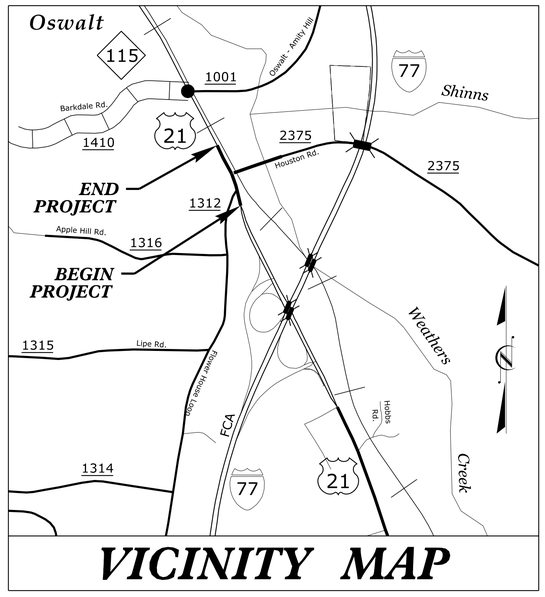
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

IREDELL COUNTY





VICINITY MAP

LOCATION: US 21 AND SR 2375 (HOUSTON ROAD)
SR 1312 (FLOWER HOUSE ROAD)

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



WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"

PREPARED FOR:
NCDOT DIVISION 12
CONTACT: BRYAN SOWELL, PE
1710 E MARION STREET
SHELBY, NC 28151

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

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	TRANSPORTATION OPERATIONS PLAN: MANAGEMENT STRATEGIES AND GENERAL NOTES
TMP-02	TEMPORARY TRAFFIC CONTROL PHASING
TMP-03-TMP-06	TEMPORARY TRAFFIC CONTROL PHASE 1, STEP 2 DETAILS
TMP-07-TMP-10	TEMPORARY TRAFFIC CONTROL PHASE 1, STEP 3 DETAILS
TMP-11-TMP-14	TEMPORARY TRAFFIC CONTROL PHASE 1, STEP 3 DETAILS (NIGHT TIME CONSTRUCTION)
TMP-15-TMP-16	TEMPORARY TRAFFIC CONTROL PHASE 1, STEP 4 DETAILS
TMP-17-TMP-18	TEMPORARY TRAFFIC CONTROL PHASE 1, STEP 5 DETAILS
TMP-19-TMP-23	OFF-SITE DETOURS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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BRITTANY N. GROOME, P.E.
PROJECT ENGINEER

Signed by: Brittany Groome 1E09340E1094484...
APPROVED: 9/30/2026
DATE:

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052936 BRITTANY N. GROOME

SHEET NO.
TMP-01

R-5711

TIP PROJECT:

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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-01A

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 ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGERS
1160.01	TEMPORARY CRASH CUSHION
1180.01	SKINNY DRUMS
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
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS

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
- WEDGING
- ONGOING CONSTRUCTION

SIGNALS

EXISTING PROPOSED TEMPORARY (TEMP)

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION	PAINT
P1	WHITE EDGELINE	(4")
P2	WHITE SOLID LANE LINE	(4")
P4	3FT.-9FT./SP WHITE MINISKIP	(4")
P5	2FT.-6FT./SP WHITE MINISKIP	(4")
P13	YELLOW DOUBLE CENTER LINE	(4")
P52	YELLOW DIAGONAL	(12")
P61	WHITE STOPBAR	(24")
P70	LEFT TURN ARROW	
P74	COMBO RIGHT/STRAIGHT ARROW	

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APPROVED: Signed by: Brittany Groome 1E0934DE1094454... DATE: 9/30/2026

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NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

ROADWAY STANDARD DRAWINGS & LEGEND

9/18/2026
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MANAGEMENT STRATEGIES

PROJECT HAS BEEN PHASED TO CONSTRUCT THE MAJORITY OF WORK USING FLAGGING WHILE MAINTAINING TRAFFIC. WEDGING WILL BE DONE UNDER TRAFFIC TO MEET REQUIRED GRADE AND PROVIDE POSITIVE DRAINAGE. DUE TO STEEP TIE-INS ON -Y2- AND SIGNIFICANT WEDGING ON -Y3-, CONSTRUCTION OF THESE LOCATIONS WILL BE BUILT UNDER INTERMEDIATE CONTRACT TIMES (ICTS) USING TEMPORARY DETOUR ROUTES. THE ICTS ARE USED TO MINIMIZE IMPACT TO LOCAL RESIDENTS.

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 UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 21/NC 115	MONDAY-SUNDAY 5:00 AM - 9:00 PM

SEE INTERMEDIATE CONTRACT TIMES FOR MORE DETAILS ON US 21/NC 115 TIME RESTRICTIONS

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

ROAD NAME
US 21/NC 115

SEE INTERMEDIATE CONTRACT TIMES FOR MORE DETAILS ON US 21/NC 115 TIME RESTRICTIONS

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 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.
3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 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 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

TIME RESTRICTIONS CONT.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 21/NC 115	MONDAY-SUNDAY 5:00 AM - 9:00 PM

LANE AND SHOULDER CLOSURE REQUIREMENTS

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

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

F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT OF AN OPEN TRAVEL LANE ON AN UNDIVIDED FACILITY, 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 WITHIN 10 FT OF AN OPEN TRAVEL LANE ON A DIVIDED FACILITY, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

I) 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.

J) 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) 350 FEET IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

L) 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.

M) 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.

N) 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.

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) 350' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

Q) USE NON-GATING CRASH CUSHIONS AS REQUIRED IN THE TMP.

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 21/NC 115	PAINT	TEMPORARY RAISED
Y1, Y2, Y3, Y4	PAINT	NONE

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

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

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APPROVED: Brittany Greene (Signature) 1E0934DE1094484...

DATE: 9/30/2026

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NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GREENE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TRANSPORTATION OPERATIONS PLAN

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-02

PHASING

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING DRIVEWAYS AS DIRECTED BY THE ENGINEER.

MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.

RELOCATE REGULATORY SIGNS AS NECESSARY.

PHASING

STEP 1:

PERFORM THE FOLLOWING WORK:
- INSTALL WORK ZONE ADVANCE WARNING SIGNS, SEE RSD 1101.01.
- PLACE PHASE I STEP 2 DETOUR SIGNS, AS SHOWN ON TMP-21 AND COVER.
- PLACE CHANGEABLE MESSAGES SIGNS SHOWN ON OFF-SITE DETOUR PLANS (TMP-21) AND MAINTAIN CHANGEABLE MESSAGE FOR SEVEN (7) CALENDAR DAYS IMMEDIATELY PRIOR TO EACH ROAD CLOSURE.

STEP 2:

PERFORM THE FOLLOWING WORK UNDER AN ICT FOR NIGHT TIME CONSTRUCTION OPERATIONS:
- UNCOVER DETOUR SIGNING AND USING RSD 1101.03, SHEETS 1 AND 2 OF 9, CLOSE -L- FROM STA 22+40 +/- TO STA 29+00 +/-. DETOUR TRAFFIC AS SHOWN IN THE PHASE I STEP 2 DETOUR PLAN (TMP-21).
- CONSTRUCT THE LEFT (WEST) OF -L-, USING FLAGGERS, RSD 1101.02 SHEET 1 OF 19, RSD 1101.03 SHEET 2 OF 9, AND INSET ON TMP-13 FROM STA 22+40 +/- TO STA 38+75 +/- , UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, BETWEEN THE HOURS OF 9 P.M. TO 5 A.M.
- INSTALL TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA 22+40 +/- TO STA 38+75 +/- AS NEEDED.

WHILE MAINTAINING TRAFFIC ON EXISTING ALIGNMENTS, AWAY FROM TRAFFIC, USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, PERFORM THE FOLLOWING WORK:
- CONSTRUCT THE LEFT (WEST) OF -L- FROM STA 22+40 +/- to STA 38+75 +/-, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.
- BEGIN CONSTRUCTION OF -Y1- FROM STA 14+85 +/- TO -Y2- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.
- CONSTRUCT TEMPORARY DRIVEWAY CONNECTION ON RIGHT SIDE OF -L- NEAR STA 30+37 +/- AS SHOWN ON TMP-03.
- CONSTRUCT -Y2- FROM STA 13+45 +/- TO STA 15+50 +/-, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. WEDGE ALONG -Y1- AND -Y2- TO MAINTAIN SMOOTH TRANSITIONS AND POSITIVE DRAINAGE FOR BOTH EXISTING -Y1- AND -Y2-, AS SHOWN ON TMP-05.
- BEGIN CONSTRUCTION OF -Y2- FROM STA 19+50 +/- TO -L-, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.
- CONSTRUCT -Y3- FROM -L- TO STA 12+50 +/- IN THE FOLLOWING MANNER:
  - o CONSTRUCT UP TO EXISTING EDGE AND ELEVATION
  - o INSTALL AND MAINTAIN TEMPORARY NON-GATING CRASH CUSHION AT THE END OF GUARDARAIL SECTION.
  - o INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-07 AND TMP-10 AND SHIFT TRAFFIC TO TEMPORARY ALIGNMENT.
- BEGIN CONSTRUCTION OF -Y3- FROM -L- TO STA 14+00 +/-, ENSURING WORK ON SHOULDER AND DRAINAGE IS ADVANCED IN PREPARATION FOR WORK INCLUDED IN STEP 4 ICT.
- BEGIN CONSTRUCTION OF -Y3- FROM STA 14+00 +/- TO STA 16+50 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. WEDGE ALONG -Y3- AND -Y4- TO MAINTAIN SMOOTH TRANSITIONS AND POSITIVE DRAINAGE FOR BOTH -Y3- AND -Y4- AS SHOWN ON TMPS 6, 7 AND 10.
- BEGIN CONSTRUCTION OF -Y4- FROM STA 19+50 +/- TO STA 20+00 UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE
- BEGIN CONSTRUCTION OF SIGNAL AT -L-/-Y2-/-Y3- INTERSECTION ON THE LEFT (WEST) SIDE OF THE INTERSECTION
- INSTALL TEMPORARY PAVEMENT MARKINGS ON -L-, -Y1-, -Y2-, AND -Y3- AS NEEDED

STEP 3:

PERFORM THE FOLLOWING WORK UNDER AN ICT FOR NIGHT TIME CONSTRUCTION OPERATIONS USING THE OFF-SITE DETOUR ROUTE DETAILED ON TMP-21:
- UNCOVER DETOUR SIGNING AND USING RSD 1101.02, SHEETS 1 OF 19, FROM -L- STA 22+40 +/- TO STA 29+00 +/-, CLOSE US-21 TRAFFIC AND DETOUR TRAFFIC AS SHOWN IN THE PHASE I STEP 3 (NIGHT TIME CONSTRUCTION) DETAIL AND THE OFF-SITE DETOUR PLAN (TMP-21).
- USING FLAGGERS, RSD 1101.02 SHEET 1 OF 19, RSD 1101.03 SHEET 2 OF 9, AND INSET ON TMP-13, CONSTRUCT THE RIGHT SIDE OF -L- FROM -L- STA 22+40 +/- TO STA 29+00 +/- , UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, BETWEEN THE HOURS OF 9 P.M. TO 5 A.M.
- INSTALL TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA 22+40 +/- TO STA 38+75 +/- AS NEEDED.
- USING FLAGGERS, RSD 1101.02 SHEET 1 OF 19, AND INSET ON TMP-13, INSTALL TEMPORARY PAVEMENT MARKINGS ON -Y3- FROM STA 10+00 +/- TO STA 12+50 +/- AS NEEDED.
- USING FLAGGERS, RSD 1101.02 SHEET 1 OF 19, AND INSET ON TMP-13, CONSTRUCT THE RIGHT SIDE OF -L- FROM STA 29+00 TO STA 38+75 UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE, WITH SMOOTH TRANSITION TO -Y3- AS NEEDED.

PERFORM THE FOLLOWING WORK UNDER DAY TIME CONSTRUCTION OPERATIONS WHILE MAINTAINING TRAFFIC ON EXISTING ALIGNMENT ON -L-, AWAY FROM TRAFFIC, AND USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, PERFORM THE FOLLOWING WORK:
- COMPLETE CONSTRUCTION OF -Y2- FROM STA 19+50 +/- to -L-, UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE
- CONTINUE CONSTRUCTION OF -Y3- FROM -L- TO STA 14+00 +/-, ENSURING WORK ON SHOULDER AND DRAINAGE IS ADVANCED IN PREPARATION FOR WORK INCLUDED IN STEP 4 ICT. INSTALL TEMPORARY PAVEMENT MARKINGS AS NEEDED
- COMPLETE CONSTRUCTION OF -Y3- FROM STA 14+00 +/- TO STA 16+50 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE WITH WEDGING FOR SMOOTH TRANSITIONS TO -Y3- AND -Y4-. INSTALL TEMPORARY PAVEMENT MARKINGS AS NEEDED
- COMPLETE CONSTRUCTION OF -Y4- FROM STA 19+50 +/- TO STA 20+00 +/- WITH SMOOTH TRANSITION ALONG -Y4- TO THE NORTH.
- CONTINUE CONSTRUCTION OF -Y4- FROM STA 19+50 +/- TO -Y3- IN PREPARATION FOR STEP 4 ICT.
- CONTINUE CONSTRUCTION OF SIGNAL AT -L-/-Y2-/-Y3- INTERSECTION ON THE EAST SIDE OF THE INTERSECTION. ENSURE CONSTRUCTION OF SIGNAL IS AT A POINT TO PUT THE SIGNAL INTO FLASH MODE AND CONSTRUCTION OF -L- FROM STA 22+40 +/- TO STA 28+50 +/- IS BUILT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE PRIOR TO BEGINNING STEP 4.
- PLACE PHASE I STEP 4 DETOUR SIGNS AS SHOWN ON TMP-21 AND COVER.
- PLACE CHANGEABLE MESSAGES SIGNS SHOWN ON OFF-SITE DETOUR PLANS (TMP-20 AND TMP-21) AND MAINTAIN CHANGEABLE MESSAGE FOR SEVEN (7) CALENDAR DAYS IMMEDIATELY PRIOR TO EACH ROAD CLOSURE.

ONCE CONSTRUCTION IS COMPLETE, PUT SIGNAL INTO FLASH MODE, AND USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, INSTALL TEMPORARY PAVEMENT MARKING IN THE FINAL PATTERN ON -L- AS SHOWN ON TMP-15 AND THE FINAL PAVEMENT MARKING PLANS AND SHIFT TRAFFIC ON -L- TO FINAL PATTERN. DRUM OFF NORTHBOUND AND SOUTHBOUND LEFT TURN LANES AS SHOWN ON TMP-15 AND ALLOW ACCESS FOR EXISTING -Y2-.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE I STEPS 4 AND 5 WITHIN FOURTEEN DAYS. COMPLETE STEP 4 AND IMMEDIATELY BEGIN STEP 5. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 4:

PERFORM THE FOLLOWING WORK:
- UNCOVER DETOUR SIGNING AND USING RSD 1101.03, SHEETS 1 AND 2 OF 9, CLOSE -Y3- AND -Y4-. DETOUR TRAFFIC AS SHOWN IN THE PHASE I STEP 4 DETOUR PLAN (TMP-22)
- AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF THE FOLLOWING:
  - o -Y3- FROM -L- TO STA 14+00 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE
  - o -Y4- FROM STA 19+50 +/- TO -Y3- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE
  - o INSTALL TEMPORARY PAVEMENT MARKINGS ON -Y3- AND -Y4- IN THE FINAL PATTERN

WHILE MAINTAINING TRAFFIC ON EXISTING ALIGNMENT OF -Y2- AND IN FINAL ALIGNMENT ON -L-, USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, CONTINUE CONSTRUCTION OF SIGNAL AT -L-/-Y2-/-Y3- INTERSECTION.
- PLACE PHASE I STEP 5 DETOUR SIGNS AS SHOWN ON TMP-22 AND COVER

ONCE CONSTRUCTION IS COMPLETE, REMOVE DETOUR AND OPEN -Y3- AND -Y4- TO FINAL PATTERN. IMMEDIATELY BEGIN STEP 5.

STEP 5:

PERFORM THE FOLLOWING WORK:
- UNCOVER DETOUR SIGNING AND USING RSD 1101.03, SHEETS 1 AND 2 OF 9, CLOSE EXISTING FLOWER HOUSE LOOP ROAD NORTH OF -Y1- AND DETOUR TRAFFIC AS SHOWN IN THE PHASE I STEP 5 DETOUR PLAN (TMP-23)
- AWAY FROM TRAFFIC, CONSTRUCT -Y2- FROM STA 17+25 +/- TO STA 19+50 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE.

WHILE MAINTAINING TRAFFIC IN EXISTING ALIGNMENT ON -Y1- AND THE OPEN PORTION OF -Y2-, AND IN FINAL ALIGNMENT ON -L-, -Y3-, AND -Y4-, USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, PERFORM THE FOLLOWING WORK:
- COMPLETE CONSTRUCTION OF -Y1- FROM STA 14+85 +/- TO -Y2- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE
- COMPLETE CONSTRUCTION OF -Y2- FROM STA 15+50 +/- TO STA 17+25 +/- UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE. SHIFT LANES FROM STA 15+50 TO INTERSECTION AS NECESSARY TO COMPLETE CONSTRUCTION.
- INSTALL TEMPORARY PAVEMENT MARKINGS ON -Y1- AND -Y2- IN THE FINAL PATTERN
- COMPLETE CONSTRUCTION OF SIGNAL AT -L-/-Y2-/-Y3- INTERSECTION. REVISE PAVEMENT MARKINGS ON NB US 21 TO REFLECT FINAL PAVEMENT MARKINGS.

ONCE CONSTRUCTION IS COMPLETE, REVISE OPERATION OF TRAFFIC SIGNAL FROM FLASH MODE TO STOP-GO MODE AND SHIFT TRAFFIC TO FINAL ALIGNMENT USING FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19, AND LAW ENFORCEMENT AS NECESSARY. ENSURE ALL TRAFFIC CONTROL DEVICES ARE IN PLACE PRIOR TO FINAL TRAFFIC SHIFT. AFTER SHIFT, REMOVE DETOUR.

STEP 6:

USING LAW ENFORCEMENT, FLAGGERS AND RSD 1101.02, SHEETS 1 AND 2 OF 19 AS NECESSARY, PERFORM THE FOLLOWING WORK:
- COMPLETE ANY PAVEMENT REMOVAL NECESSARY
- COMPLETE FINAL LAYER SURFACE COURSE AND FINAL PAVEMENT MARKINGS
- REMOVE ANY TEMPORARY TRAFFIC CONTROL DEVICES AND WARNING SIGNS

Plans Prepared By:
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DRMP, INC.
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NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

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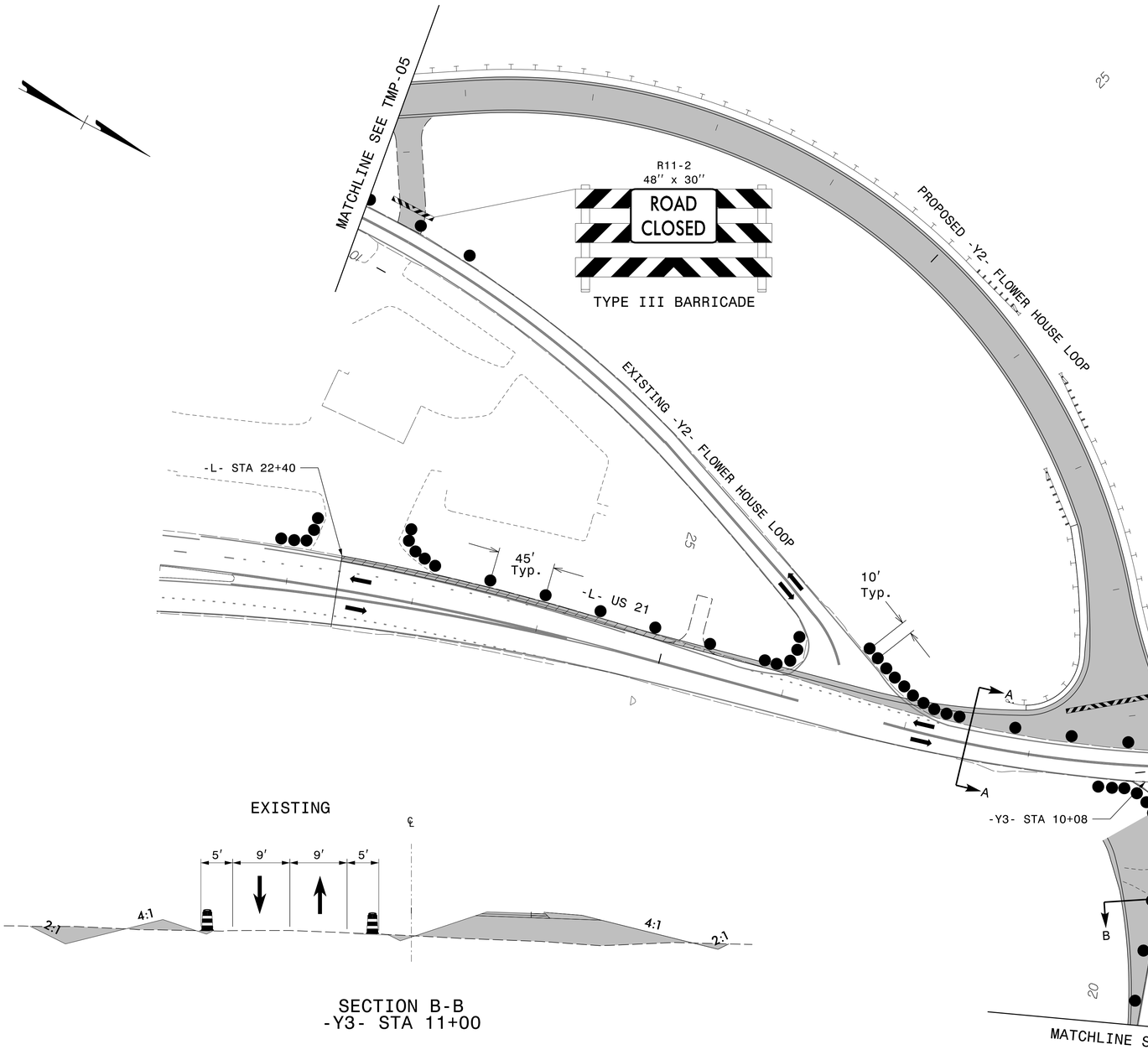
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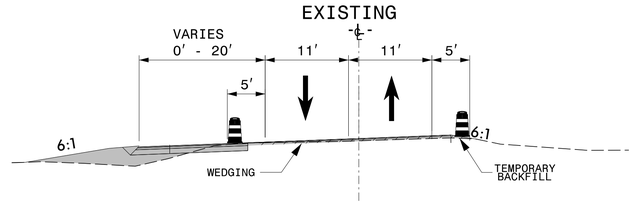
TEMPORARY TRAFFIC CONTROL PHASING

9/8/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-03





SECTION A-A
-L- STA 27+50

SECTION B-B
-Y3- STA 11+00

NOTES:
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- RELOCATE ANY EXISTING REGULATORY SIGNS AS NECESSARY.

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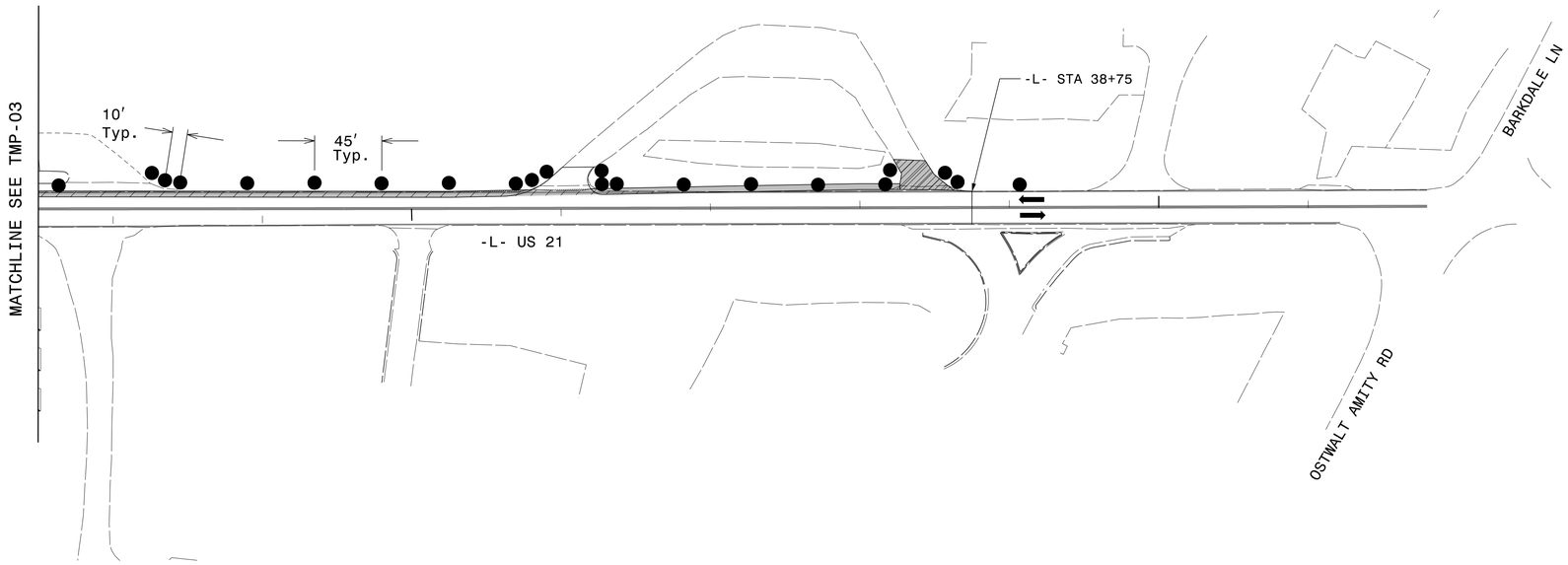
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 2

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-04



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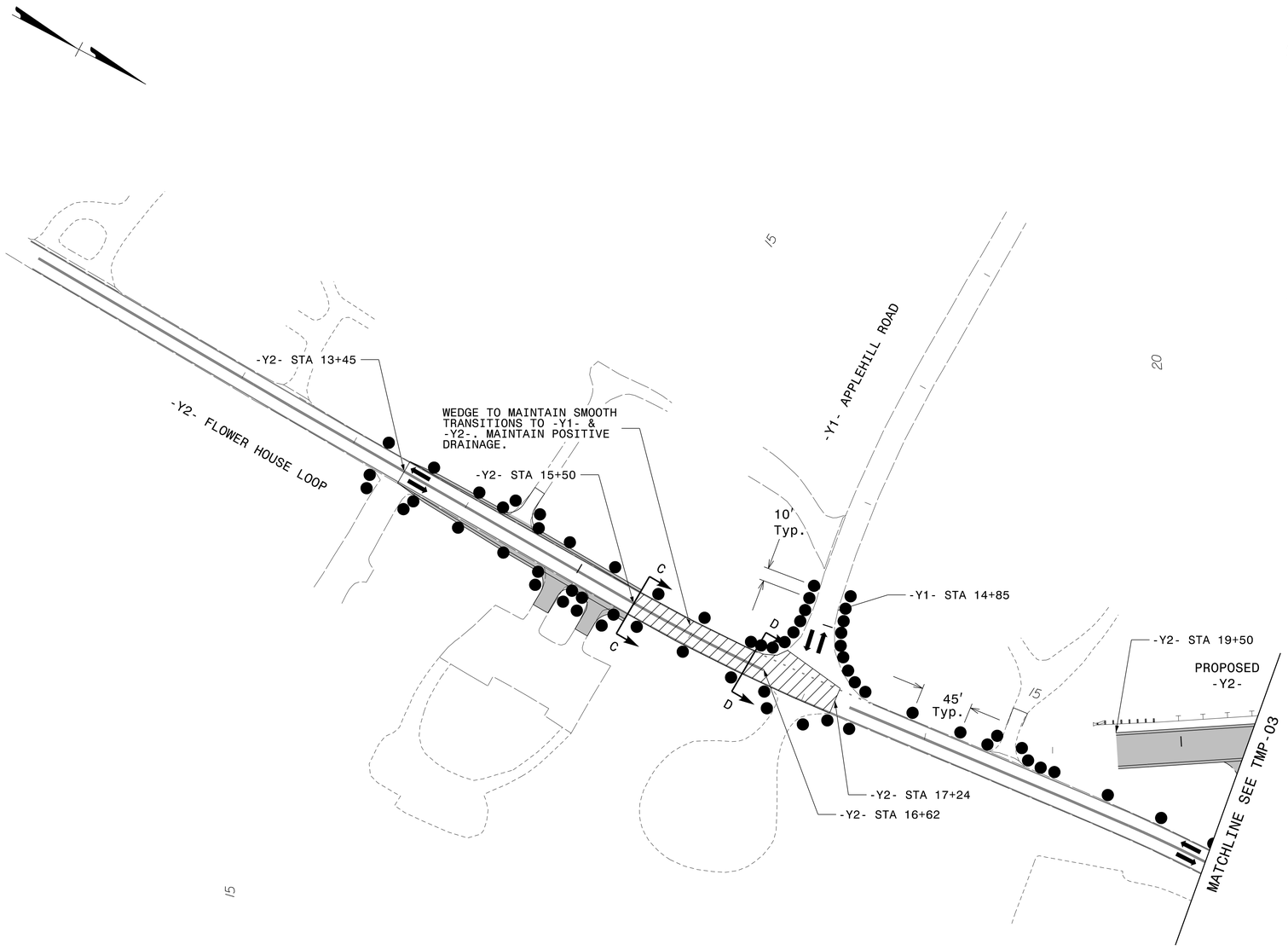
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

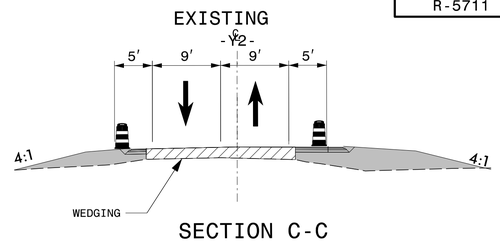
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9/18/2026
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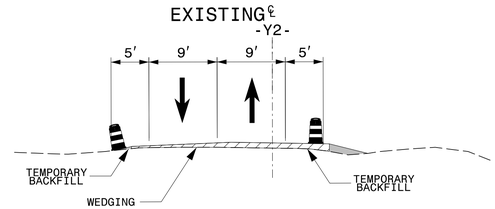
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-05





SECTION C-C
-Y2- STA 15+50



SECTION D-D
-Y2- STA 16+50

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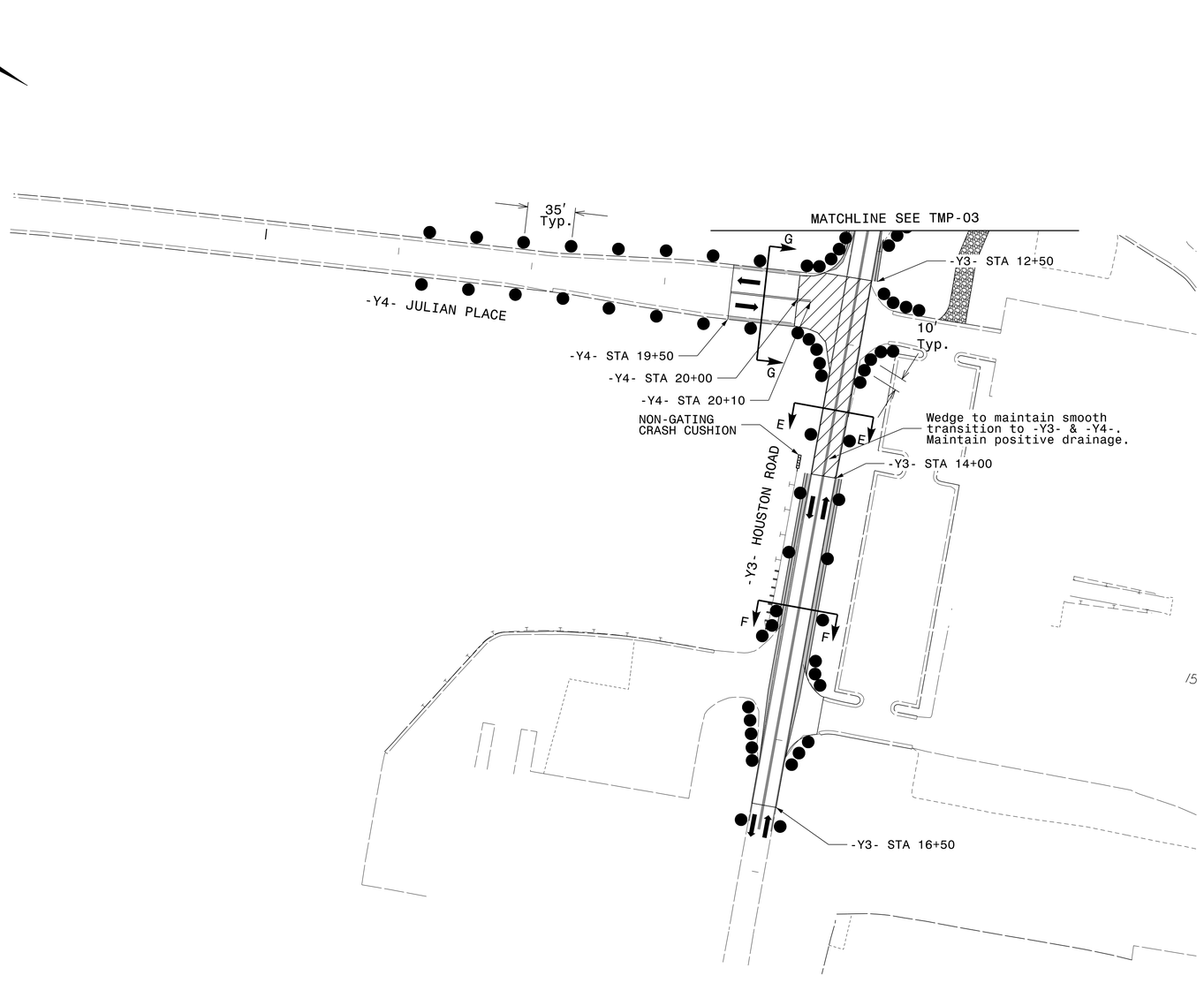
DIVISION OF HIGHWAYS
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WORK ZONE TRAFFIC CONTROL

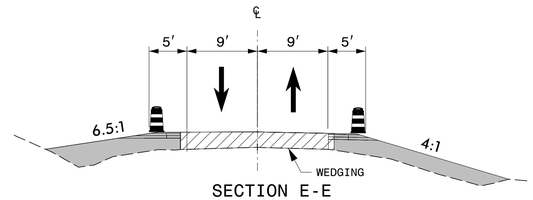
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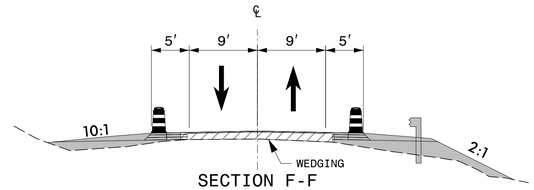
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R-5711	TMP-06





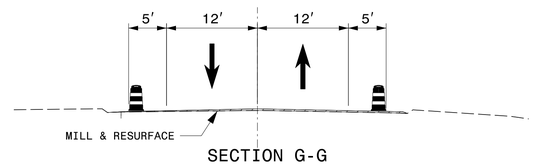
SECTION E-E
-Y3- STA 13+50
TIE FROM FULL DEPTH
CONSTRUCTION TO EXISTING

EXISTING



SECTION F-F
-Y3- STA 15+00
COMPLETE FULL
DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

EXISTING



SECTION G-G
-Y4- STA 19+75
BEGIN FULL
DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

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SEAL

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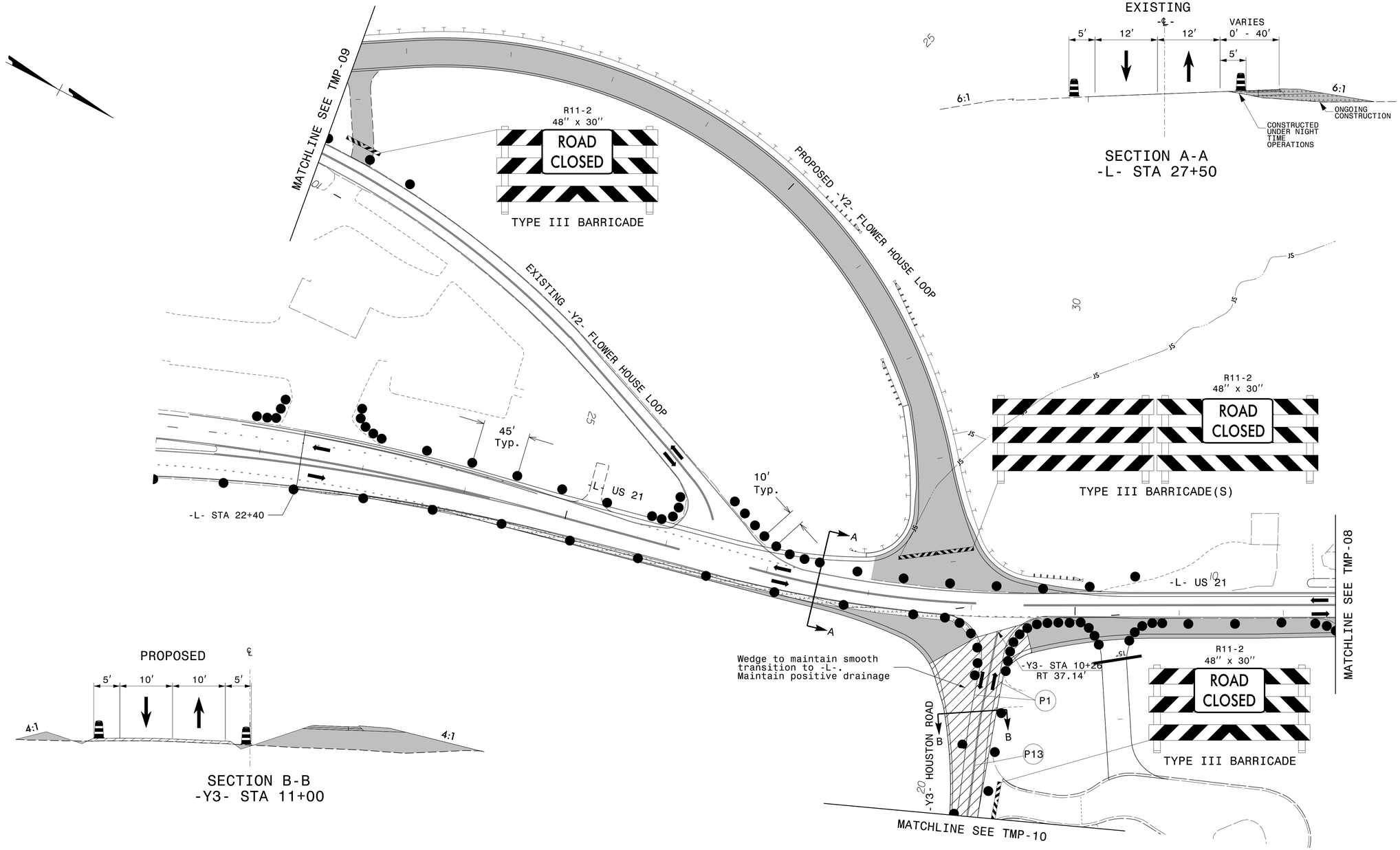
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 2

9/18/2026
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R-5711	TMP-07



EXISTING

SECTION A-A
-L- STA 27+50

PROPOSED

SECTION B-B
-Y3- STA 11+00

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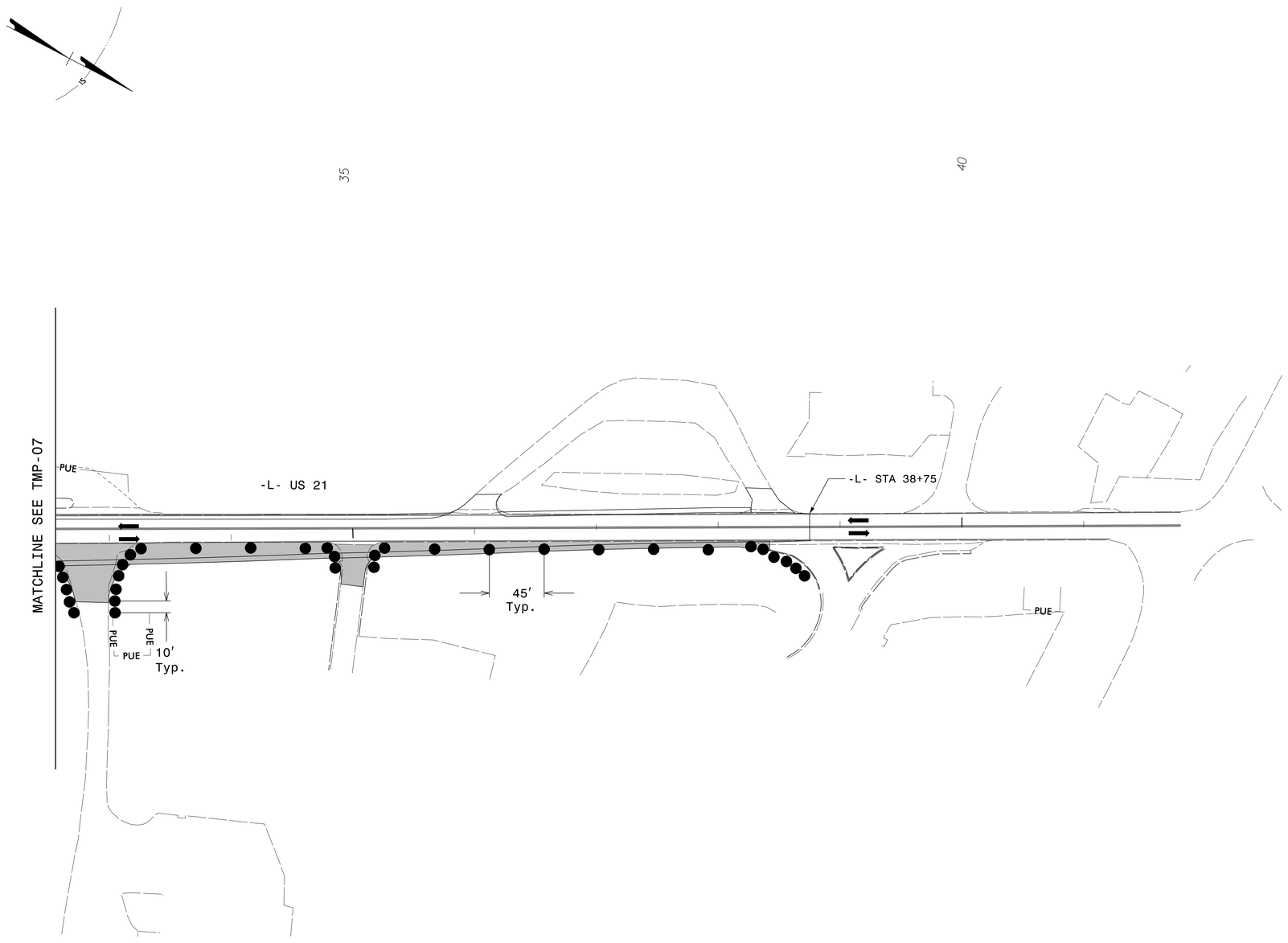
DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 3

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-08



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DATE: 9/30/2026

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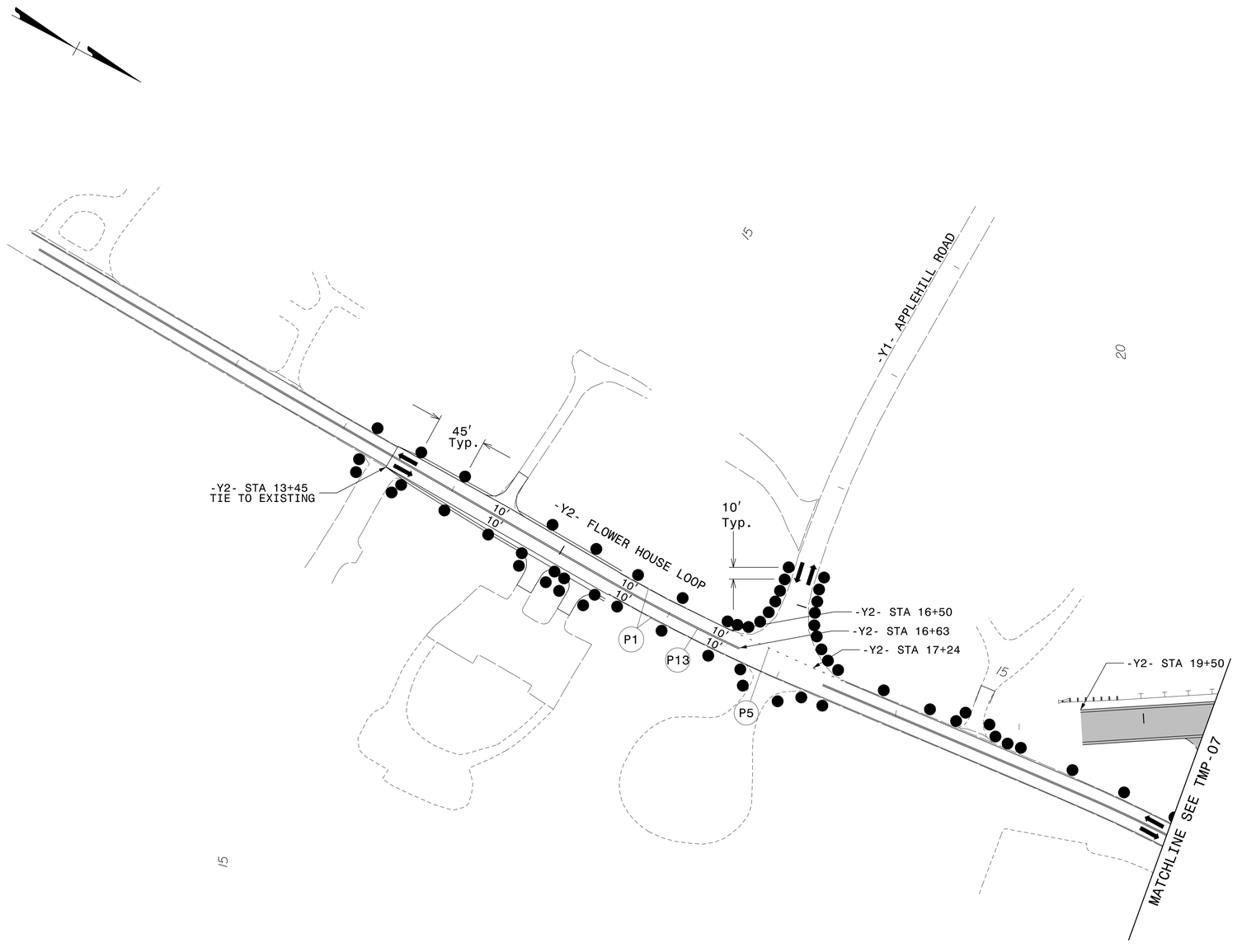
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 3

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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-09



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

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 3

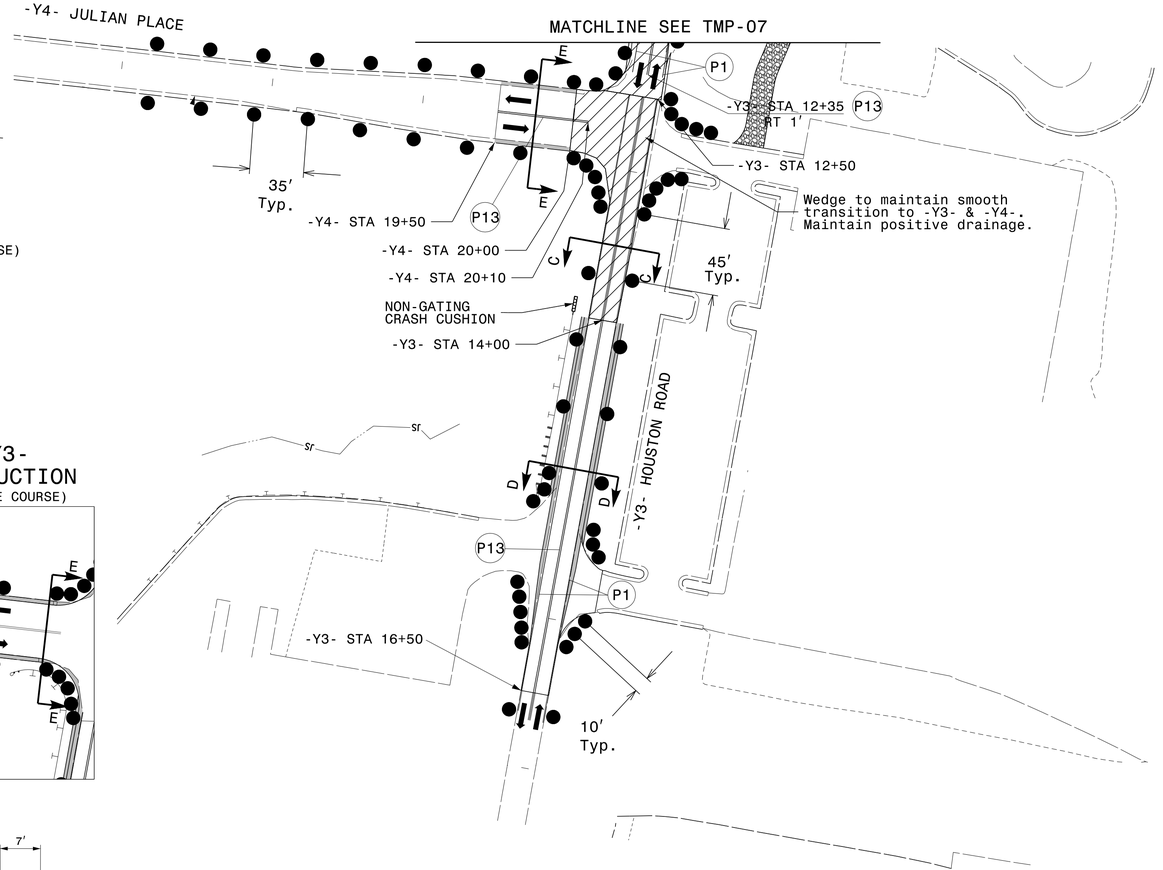
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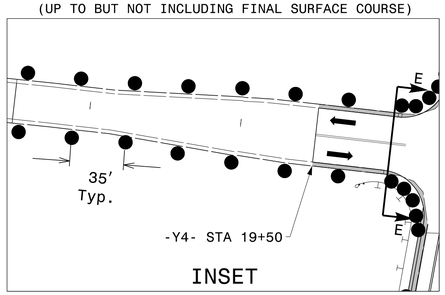
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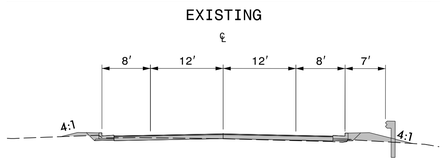


SECTION E-E
-Y4- STA 19+75
COMPLETE FULL
DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

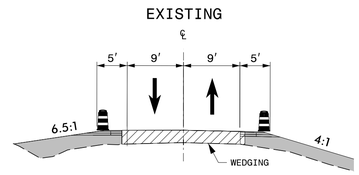


-Y4- STA 19+00 TO -Y3- BEGIN FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

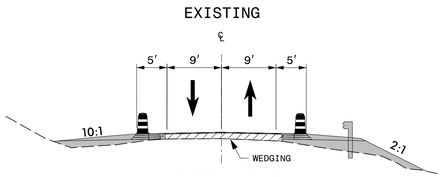




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-Y4- STA 20+00
BEGIN FULL
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(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

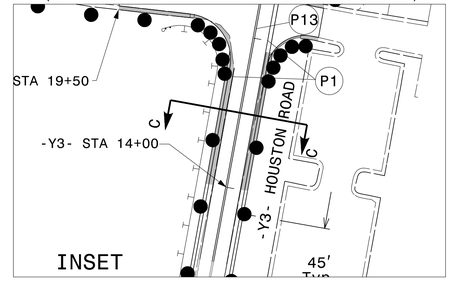


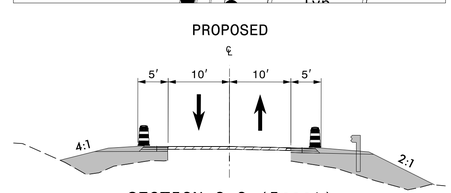
SECTION C-C
-Y3- STA 13+50
TIE FROM FULL DEPTH
CONSTRUCTION TO EXISTING



SECTION D-D
-Y3- STA 15+00
COMPLETE FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

-Y3- FROM -L- TO STA 14+00 BEGIN FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)





SECTION C-C (Inset)
-Y3- STA 13+50
BEGIN FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

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APPROVED: Brittany Groome
1E09340E1094484...
DATE: 9/30/2026
SEAL

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

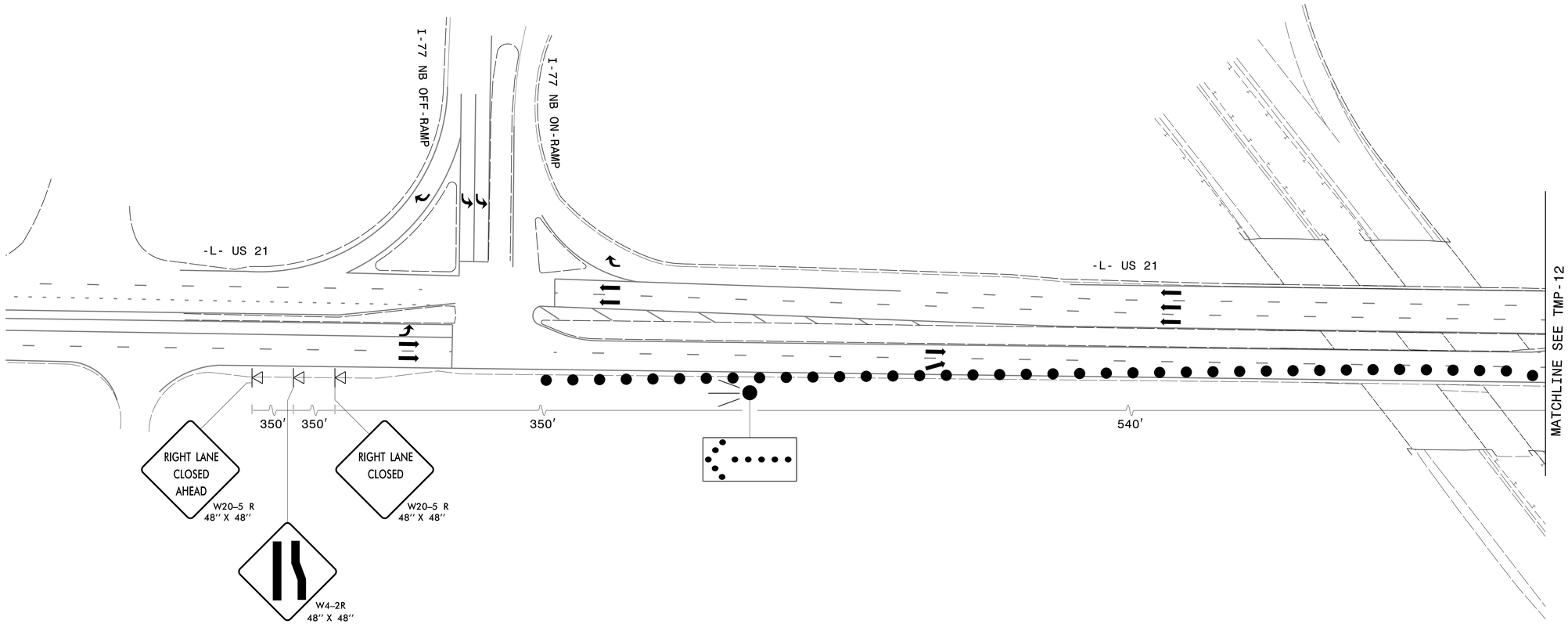
TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 3

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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-11

REFER TO ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 19 AND OFF SITE DETOUR FOR US 21 ON TMP-21 FOR ADDITIONAL DETAILS.



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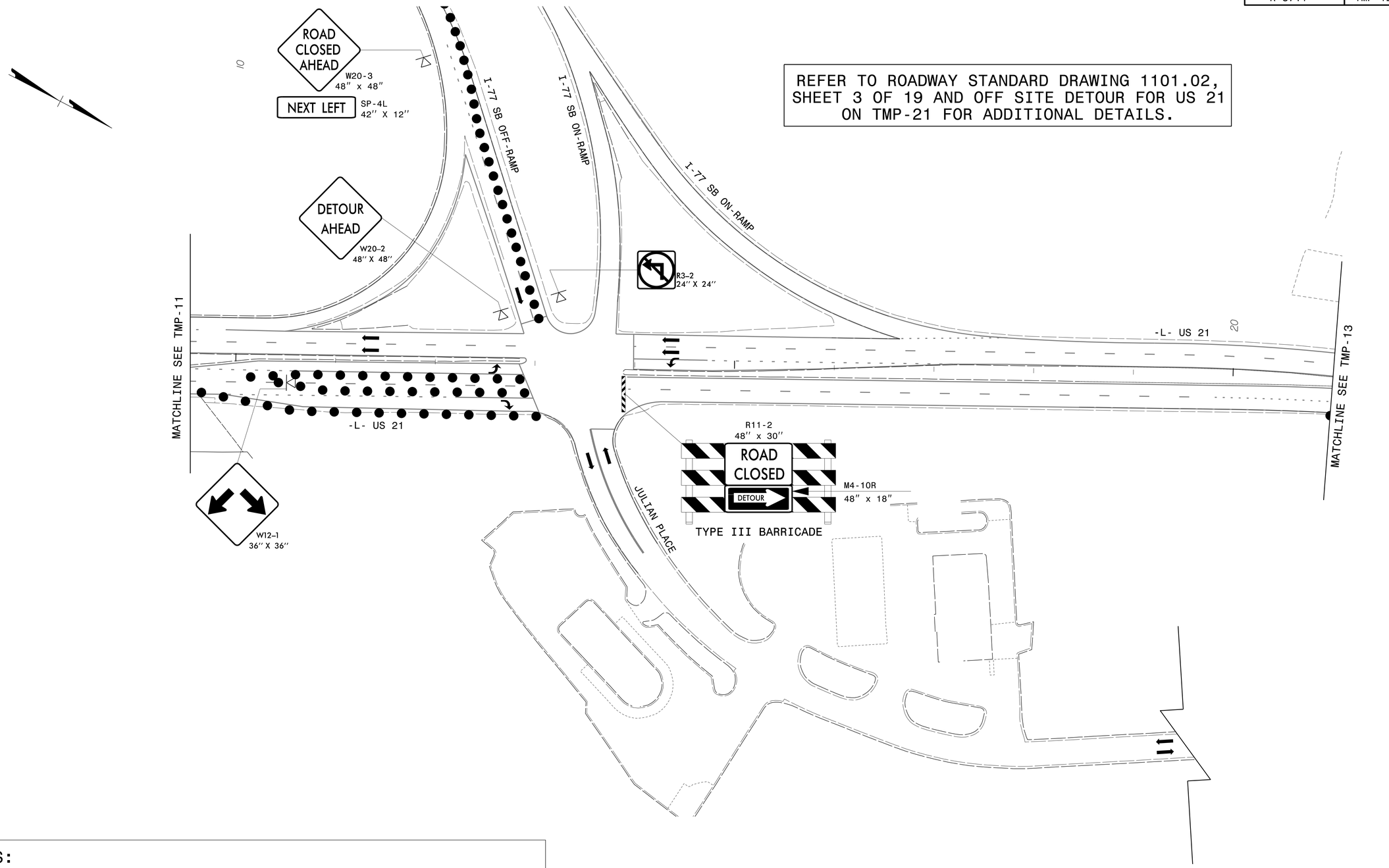
TEMPORARY TRAFFIC CONTROL
PHASE 1 STEP 2 & 3
(NIGHT TIME CONSTRUCTION)

9/18/2026
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User:DWhite

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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-12

REFER TO ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 19 AND OFF SITE DETOUR FOR US 21 ON TMP-21 FOR ADDITIONAL DETAILS.



NOTES:
- FOR CONSTRUCTION THAT IS UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, WEDGING IS NOT IN PLAN VIEW, BUT ONLY IN CROSS SECTIONS TO KEEP PLANS CLEAR. WEDGING SHOWN IN PLAN VIEW IS FOR TYING FULL DEPTH CONSTRUCTION BACK TO EXISTING GRADE.
- RELOCATE ANY EXISTING REGULATORY SIGNS AS NECESSARY.

Plans Prepared By:
DRMP
DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome (Signed by) 1E09340E1094484...

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

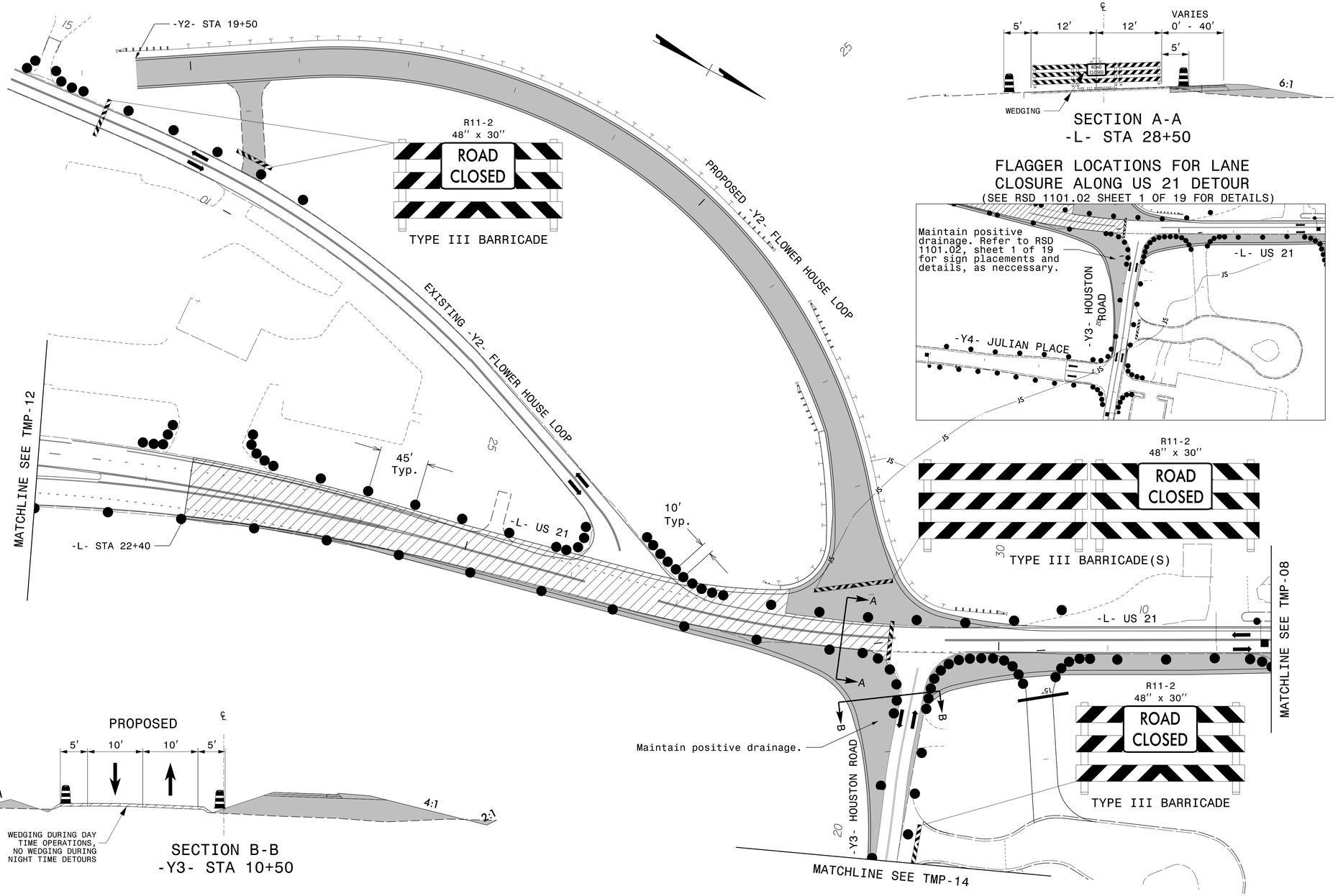
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 2 & 3 (NIGHT TIME CONSTRUCTION)

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-13



SECTION A-A
-L- STA 28+50

FLAGGER LOCATIONS FOR LANE CLOSURE ALONG US 21 DETOUR
(SEE RSD 1101.02 SHEET 1 OF 19 FOR DETAILS)

SECTION B-B
-Y3- STA 10+50

NOTES:
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Plans Prepared By:
DRMP
DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome
1E09340E1094484...
DATE: 9/30/2026
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

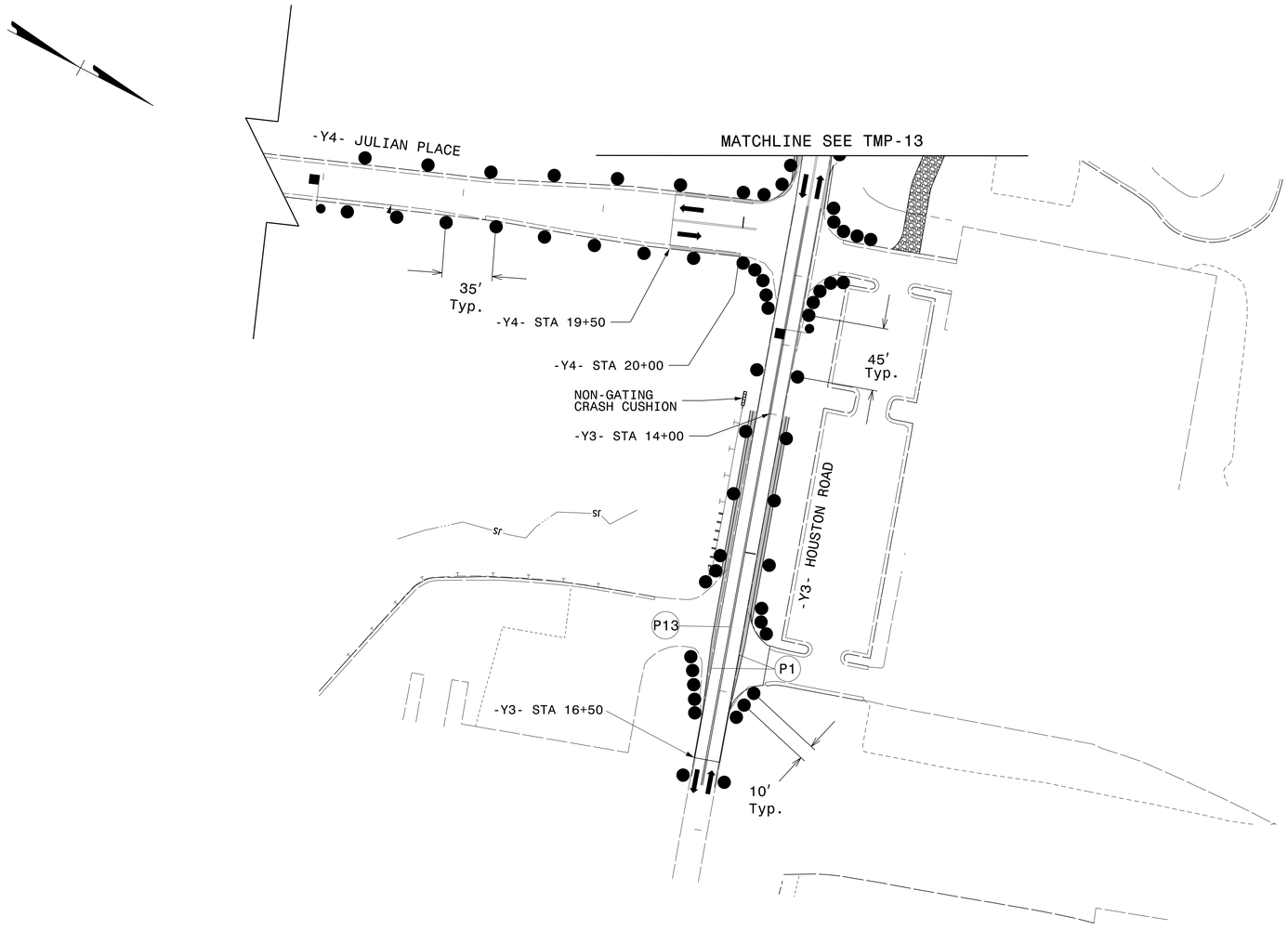
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL
PHASE 1 STEP 2 & 3
(NIGHT TIME CONSTRUCTION)

9/18/2026
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Docusign Envelope ID: 6CE91A6B-C4AF-8A2C-8043-EB0B3938BD23

PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-14



NOTES:
- FOR CONSTRUCTION THAT IS UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, WEDGING IS NOT IN PLAN VIEW, BUT ONLY IN CROSS SECTIONS TO KEEP PLANS CLEAR. WEDGING SHOWN IN PLAN VIEW IS FOR TYING FULL DEPTH CONSTRUCTION BACK TO EXISTING GRADE.
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Plans Prepared By:
DRMP
DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Digitally Signed by Brittany Greene 1E09340E1094484... DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GREENE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

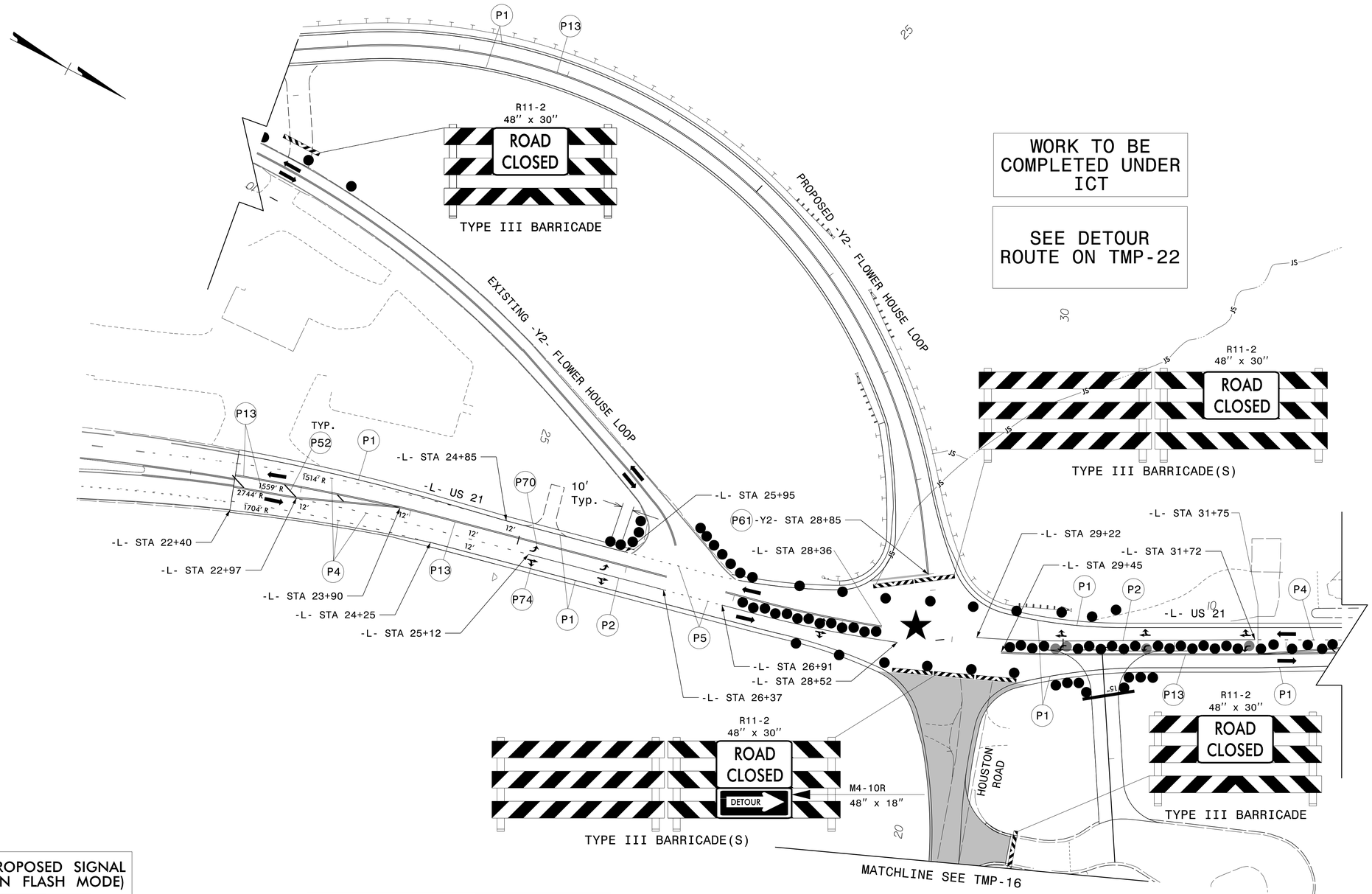
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL
PHASE 1 STEP 2 & 3
(NIGHT TIME CONSTRUCTION)

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-15



★ PROPOSED SIGNAL (IN FLASH MODE)

NOTES:

- FOR CONSTRUCTION THAT IS UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, WEDGING IS NOT IN PLAN VIEW, BUT ONLY IN CROSS SECTIONS TO KEEP PLANS CLEAR. WEDGING SHOWN IN PLAN VIEW IS FOR TYING FULL DEPTH CONSTRUCTION BACK TO EXISTING GRADE.
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Plans Prepared By:
DRMP
DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Signed by: Brittany Groome 1E09340E1094484... DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

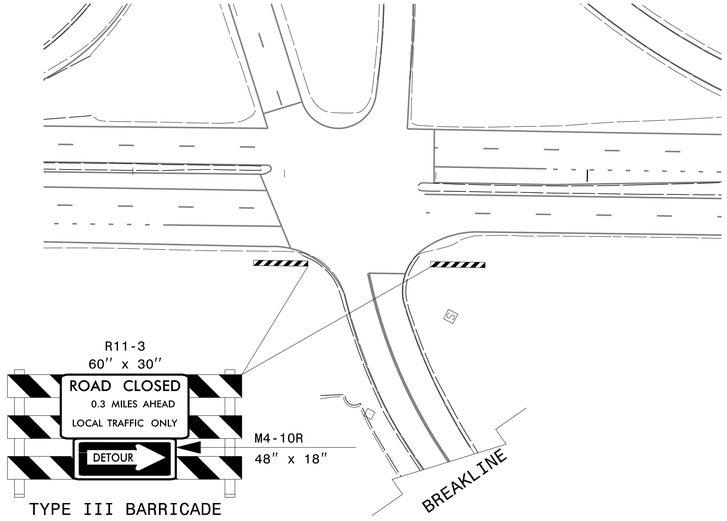
DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 4

9/18/2026
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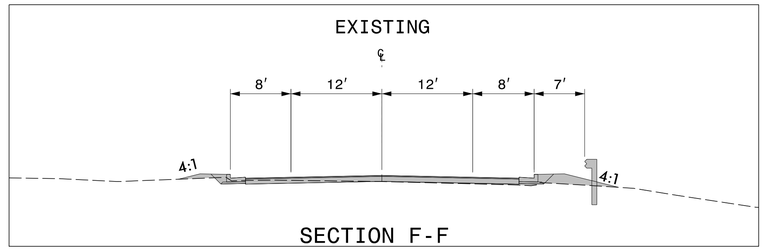
PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-16



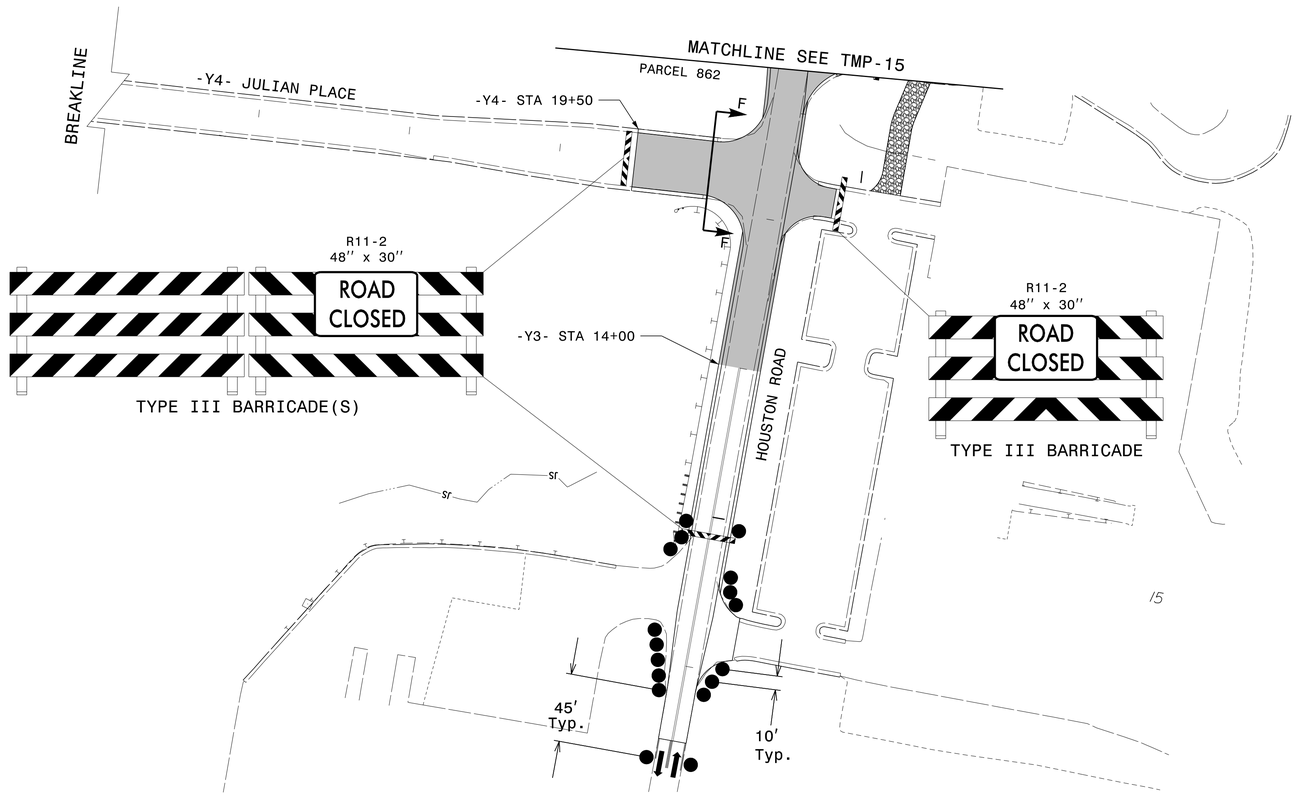
TYPE III BARRICADE

WORK TO BE COMPLETED UNDER ICT

SEE DETOUR ROUTE ON TMP-22



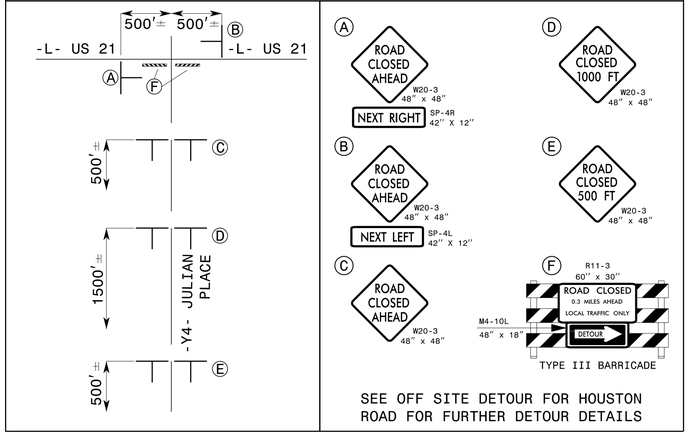
SECTION F-F
-Y4- STA. 20+00



TYPE III BARRICADE(S)

TYPE III BARRICADE

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



TYPE III BARRICADE

SEE OFF SITE DETOUR FOR HOUSTON ROAD FOR FURTHER DETOUR DETAILS

INSET "A"

NOTES:

- FOR CONSTRUCTION THAT IS UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, WEDGING IS NOT IN PLAN VIEW, BUT ONLY IN CROSS SECTIONS TO KEEP PLANS CLEAR. WEDGING SHOWN IN PLAN VIEW IS FOR TYING FULL DEPTH CONSTRUCTION BACK TO EXISTING GRADE.
- RELOCATE ANY EXISTING REGULATORY SIGNS AS NECESSARY.

Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome
1E09340E1094484...
DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052936 BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

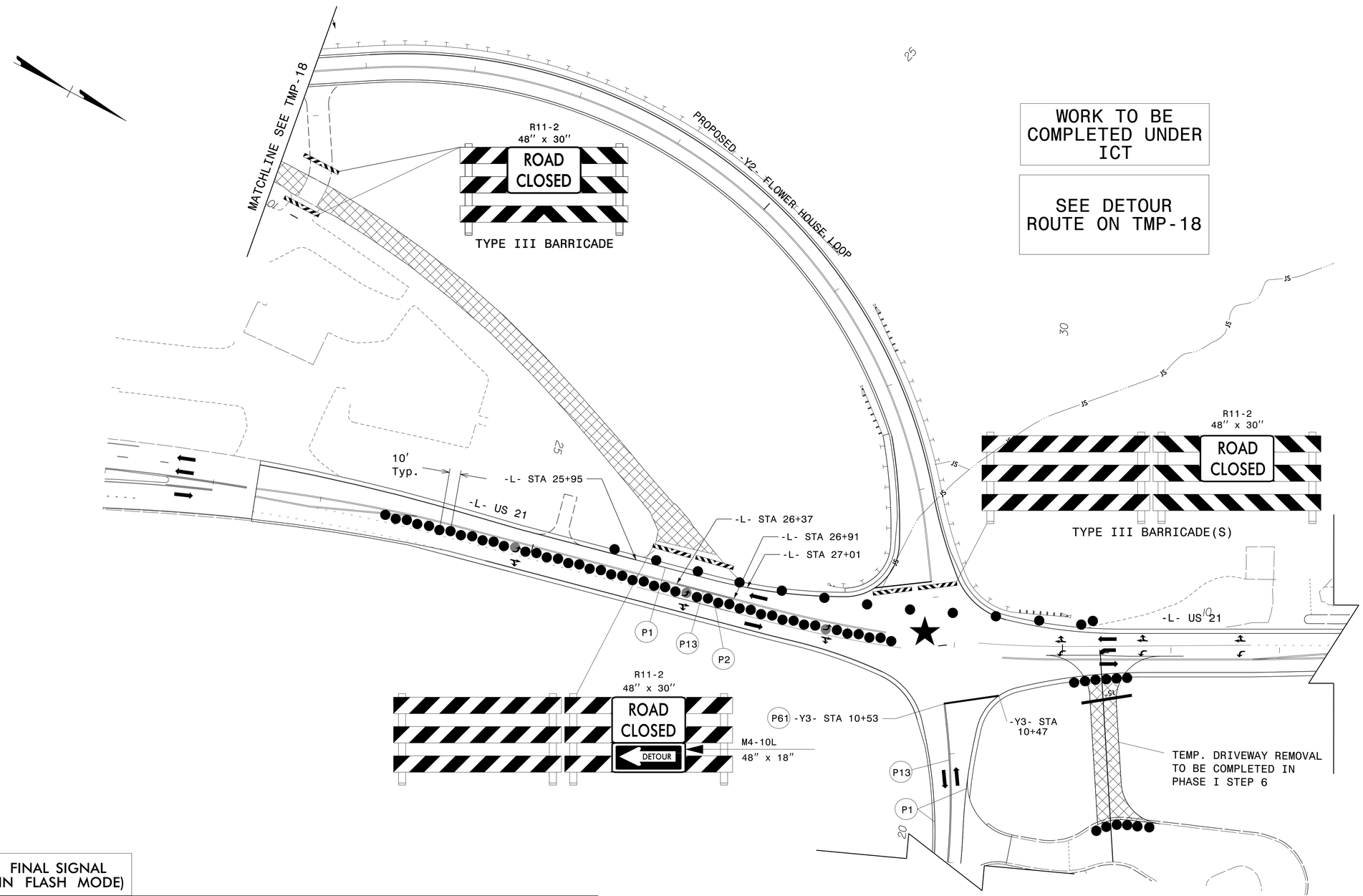
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 4

9/18/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-17



★ FINAL SIGNAL (IN FLASH MODE)

NOTES:

- FOR CONSTRUCTION THAT IS UP TO BUT NOT INCLUDING FINAL SURFACE COURSE, WEDGING IS NOT IN PLAN VIEW, BUT ONLY IN CROSS SECTIONS TO KEEP PLANS CLEAR. WEDGING SHOWN IN PLAN VIEW IS FOR TYING FULL DEPTH CONSTRUCTION BACK TO EXISTING GRADE.
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SUITE 220
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NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Greene
Signed by: 1E09340E1094484...

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GREENE

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

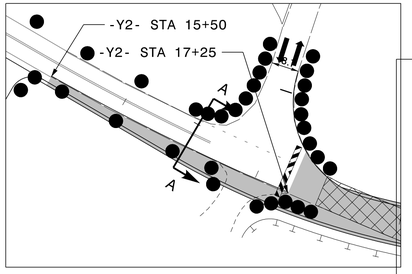
TEMPORARY TRAFFIC CONTROL PHASE 1 STEP 5

9/18/2026
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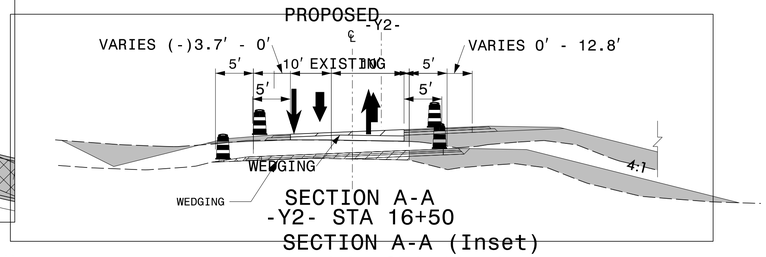
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-18

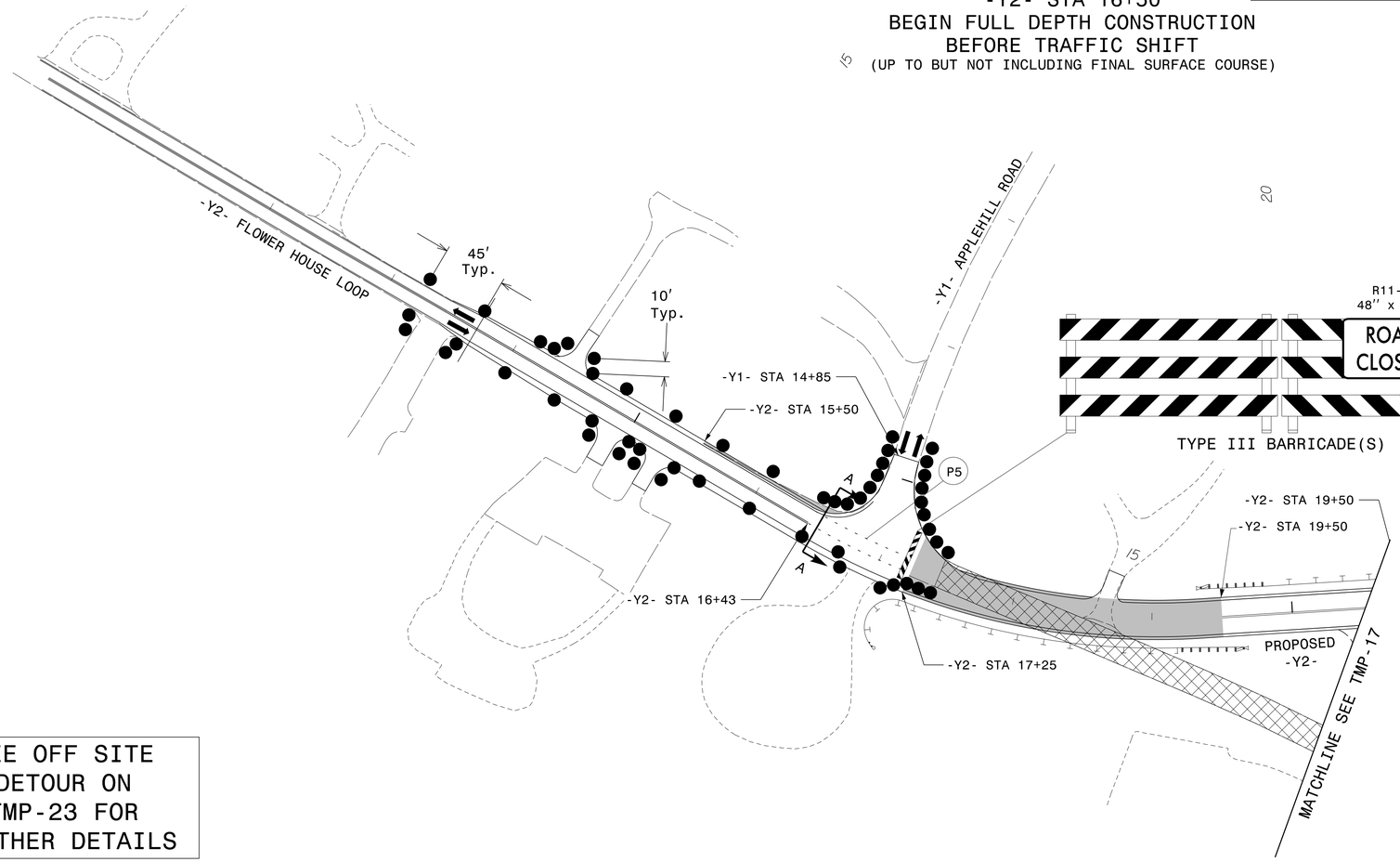
INSET



-Y2- STA 16+50
BEGIN FULL DEPTH CONSTRUCTION
BEFORE TRAFFIC SHIFT
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

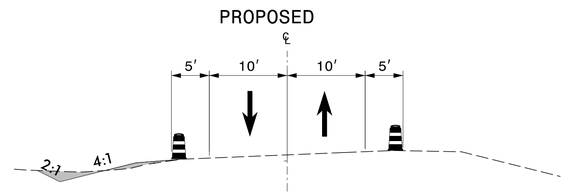


SECTION A-A
-Y2- STA 16+50
SECTION A-A (Inset)
-Y2- STA 16+50
BEGIN FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)



WORK TO BE COMPLETED UNDER ICT

TYPE III BARRICADE(S)



SECTION A-A
-Y2- STA 16+50
COMPLETE FULL DEPTH CONSTRUCTION
(UP TO BUT NOT INCLUDING FINAL SURFACE COURSE)

SEE OFF SITE DETOUR ON TMP-23 FOR FURTHER DETAILS

NOTES:
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Plans Prepared By:
DRMP
DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO: F-1524 (704) 549-4260

APPROVED: Signed by: Brittany Groome 1E09340E1094484...
DATE: 9/30/2026
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

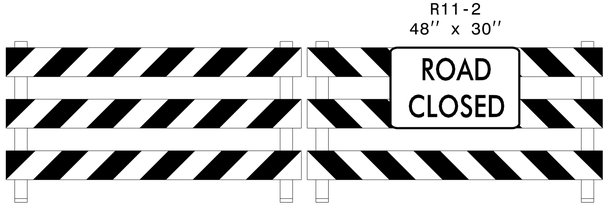
TEMPORARY TRAFFIC CONTROL
PHASE 1 STEP 5

9/8/2026
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User:DWhite

Docusign Envelope ID: 6CE91A6B-C4AF-8A2C-8043-EB0B3938BD23

PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-19

A



TYPE III BARRICADE(S)

B



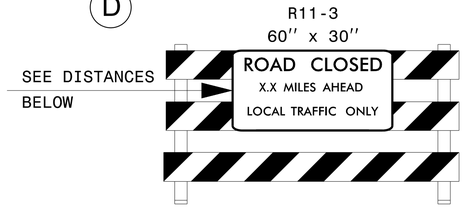
TYPE III BARRICADE

C



TYPE III BARRICADE

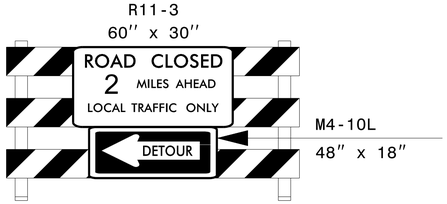
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TYPE III BARRICADE

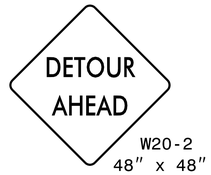
DISTANCES BASED ON PLACEMENT OF BARRICADES (0.3, 0.7 & 0.9 MILES RESPECTIVELY)

E



TYPE III BARRICADE

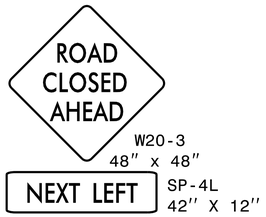
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G



H



I



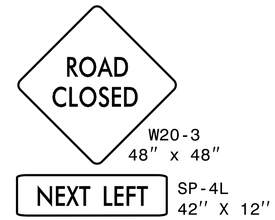
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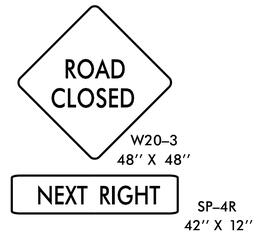
K



L



M



N

MESSAGE PRIOR TO CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2
HOUSTON ROAD TO CLOSE	STARTING (DAY) (TIME)

CHANGEABLE MESSAGE SIGN

MESSAGE DURING CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2
HOUSTON ROAD CLOSED	FOLLOW POSTED DETOUR

CHANGEABLE MESSAGE SIGN

O

MESSAGE PRIOR TO CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2
FLOWER HOUSE LP TO CLOSE	STARTING (DAY) (TIME)

CHANGEABLE MESSAGE SIGN

MESSAGE DURING CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2
FLOWER HOUSE LP CLOSED	FOLLOW POSTED DETOUR

CHANGEABLE MESSAGE SIGN

P

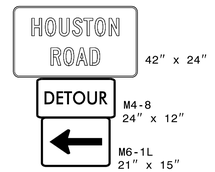
MESSAGE PRIOR TO CLOSURE:	
MESSAGE NO. 1	MESSAGE NO. 2
US 21/ NC 115 TO CLOSE	STARTING (DAY) (TIME)

CHANGEABLE MESSAGE SIGN

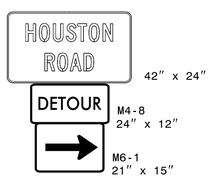
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MESSAGE NO. 1	MESSAGE NO. 2
US 21/ NC 115 CLOSED	FOLLOW POSTED DETOUR

CHANGEABLE MESSAGE SIGN

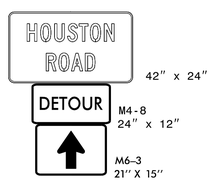
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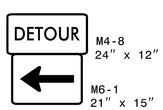
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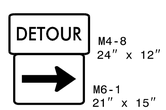
S



T



U



Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome (Signed by) 1E09340E1094484...

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

OFF SITE DETOURS

9/23/2026
P:\NCDOT\R571\Traffic\TrafficControl\TCP\TCP Sheets\R571_TC_TCP_Detour Sign Legend_TMP19.dgn
User:DWhite

Docusign Envelope ID: 6CE91A6B-C4AF-8A2C-8043-EB0B39338BD23

PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-20

SIGN NUMBER: SP-1
TYPE: D
QUANTITY: 4

SIGN WIDTH: 3′-6″
HEIGHT: 2′-0″
TOTAL AREA: 7.0 Sq.Ft.

BORDER TYPE RECESSED
RECESS: 0.38″
WIDTH: 0.63″
RADII: 1.5″

NO. Z BARS:
LENGTH:

BACKG COLOR: Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT′L: 0.080″ (2.0 mm) ALUMINUM

USE NOTES: 1, 2

1. Legend and border(except those that are colored black) shall be direct applied Grade B sheeting.
2. Background shall be Grade A, B, or C reflective sheeting.
3. Shields; A, B, and C type arrows shall be on 0.032″ (0.8mm) aluminum and demountable.
4. Bottom panel shall be yellow Grade C sheeting. Legend shall be direct applied black non-reflective sheeting. Yellow panel is:

DESIGN BY: R Lawton
PROJECT ID: R-5711
CHECKED BY: L Moon
DIV: 12
DATE: Dec 12, 2018



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

																										Series/Size Text Length
		H	O	U	S	T	O	N																		C 2000
	6.3	4.6	4.7	4.4	3.9	3.8	4.7	3.4	6.3																	29.5
		R	O	A	D																					C 2000
	12.7	4.3	4.3	4.7	3.4	12.7																				16.6

FILENAME: R5711_Sign Design

NORTH CAROLINA D.O.T. SIGN DETAIL

Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome (Signed by: 1E09340E1094484...)
DATE: 9/30/2026
SEAL



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

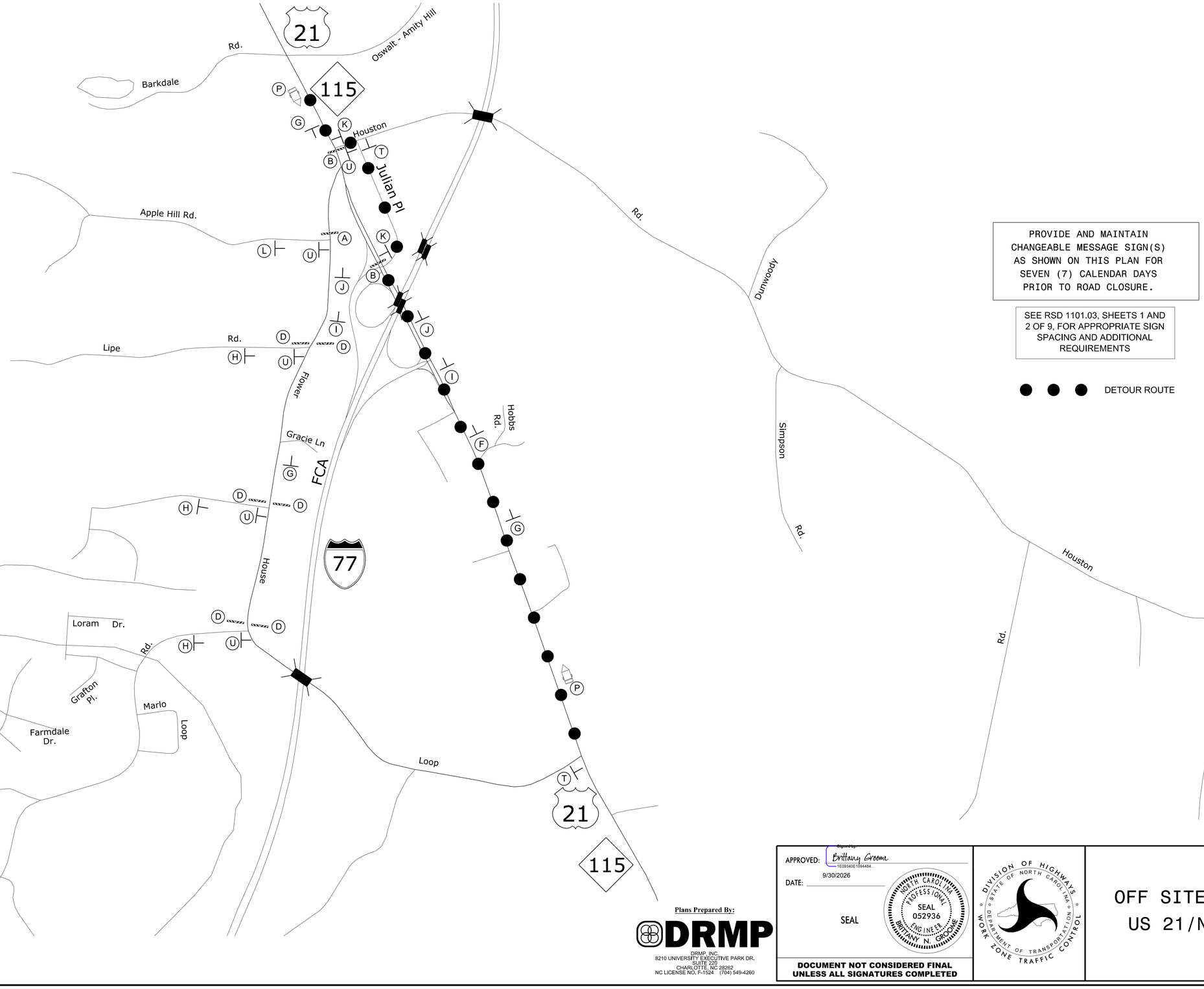


SPECIAL SIGN DESIGN
HOUSTON ROAD

9/23/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-21



PROVIDE AND MAINTAIN CHANGEABLE MESSAGE SIGN(S) AS SHOWN ON THIS PLAN FOR SEVEN (7) CALENDAR DAYS PRIOR TO ROAD CLOSURE.

SEE RSD 1101.03, SHEETS 1 AND 2 OF 9, FOR APPROPRIATE SIGN SPACING AND ADDITIONAL REQUIREMENTS

DETOUR ROUTE

Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome (Signed by: 1E09340E1094484...)

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

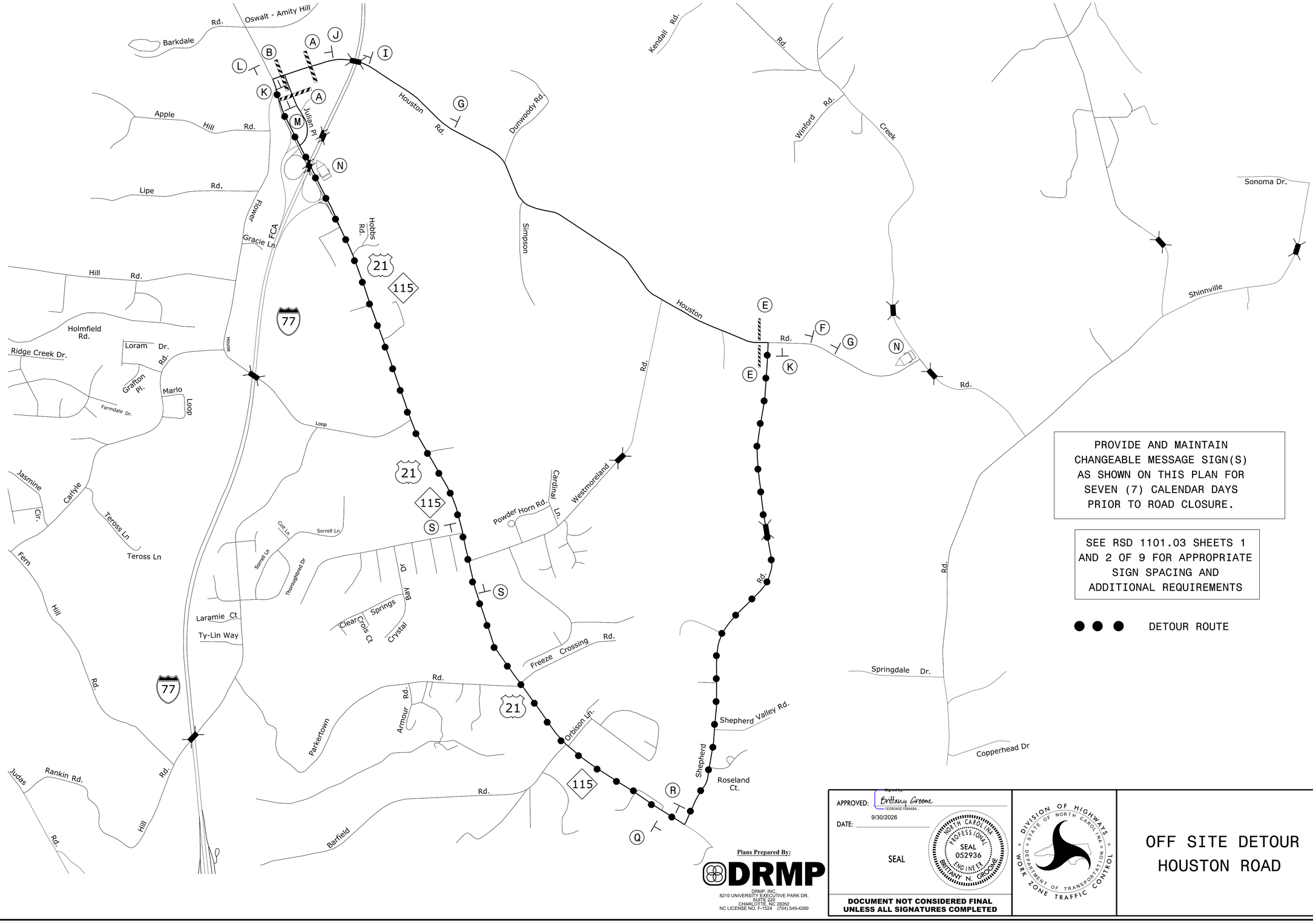
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

OFF SITE DETOUR
US 21/NC 115

9/23/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-22



PROVIDE AND MAINTAIN CHANGEABLE MESSAGE SIGN(S) AS SHOWN ON THIS PLAN FOR SEVEN (7) CALENDAR DAYS PRIOR TO ROAD CLOSURE.

SEE RSD 1101.03 SHEETS 1 AND 2 OF 9 FOR APPROPRIATE SIGN SPACING AND ADDITIONAL REQUIREMENTS

● ● ● DETOUR ROUTE

Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 229
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Digitally signed by Brittany Groome 1E09340E1094484...

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

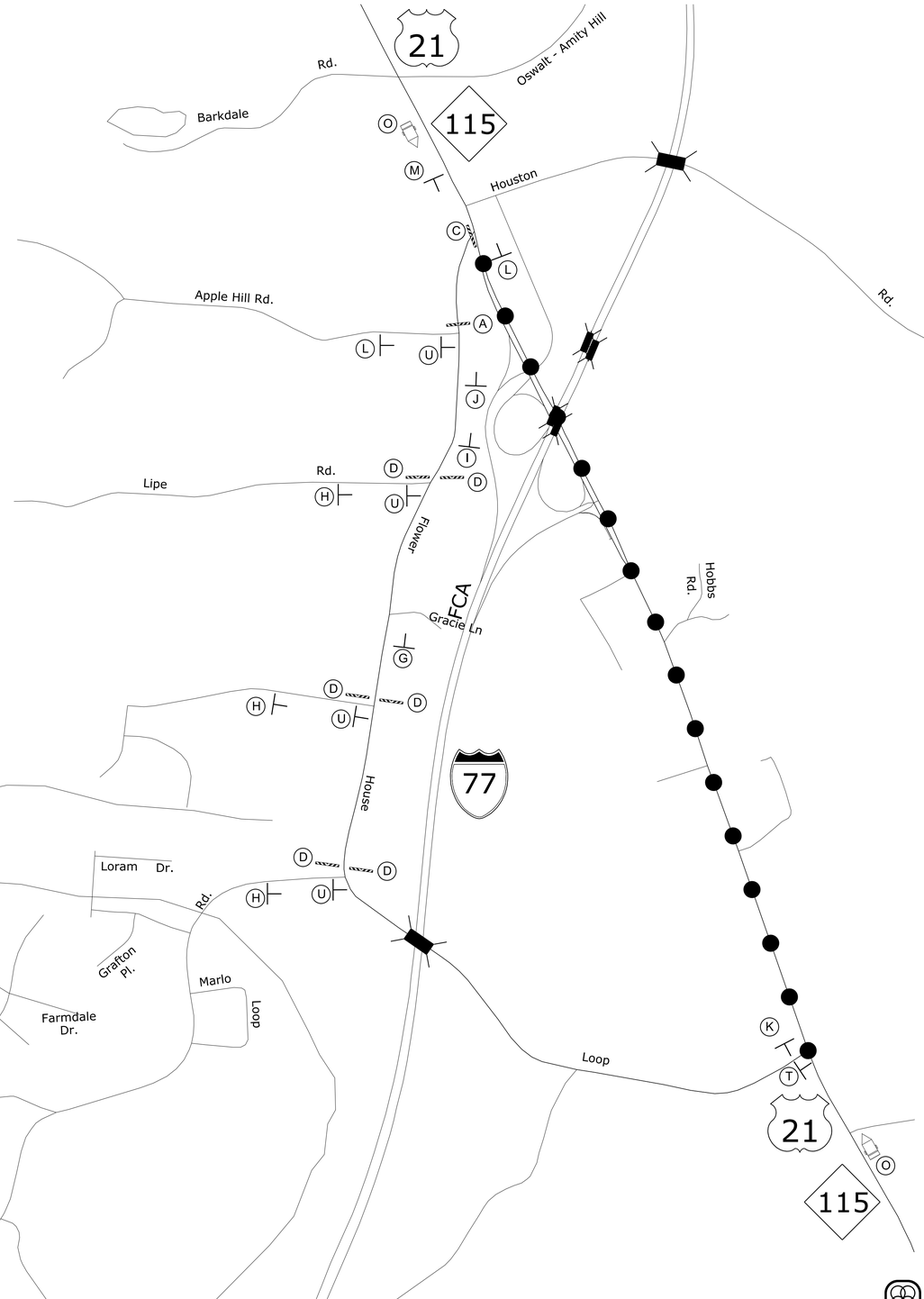
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OFF SITE DETOUR
HOUSTON ROAD

9/23/2026
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PROJ. REFERENCE NO.	SHEET NO.
R-5711	TMP-23



PROVIDE AND MAINTAIN CHANGEABLE MESSAGE SIGN(S) AS SHOWN ON THIS PLAN FOR SEVEN (7) CALENDAR DAYS PRIOR TO ROAD CLOSURE.

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● ● ● DETOUR ROUTE

Plans Prepared By:

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DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
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NC LICENSE NO. F-1524 (704) 549-4260

APPROVED: Brittany Groome
Signed by:
1E0834DE1094484...

DATE: 9/30/2026

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052936 ENGINEER BRITTANY N. GROOME

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

OFF SITE DETOUR
FLOWER HOUSE LOOP

9/23/2026
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User:DWhite