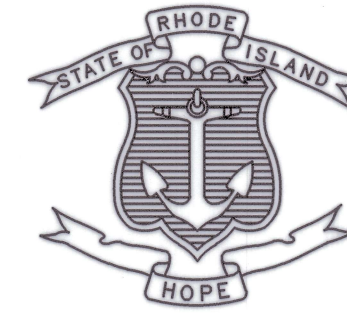


STATE OF RHODE ISLAND



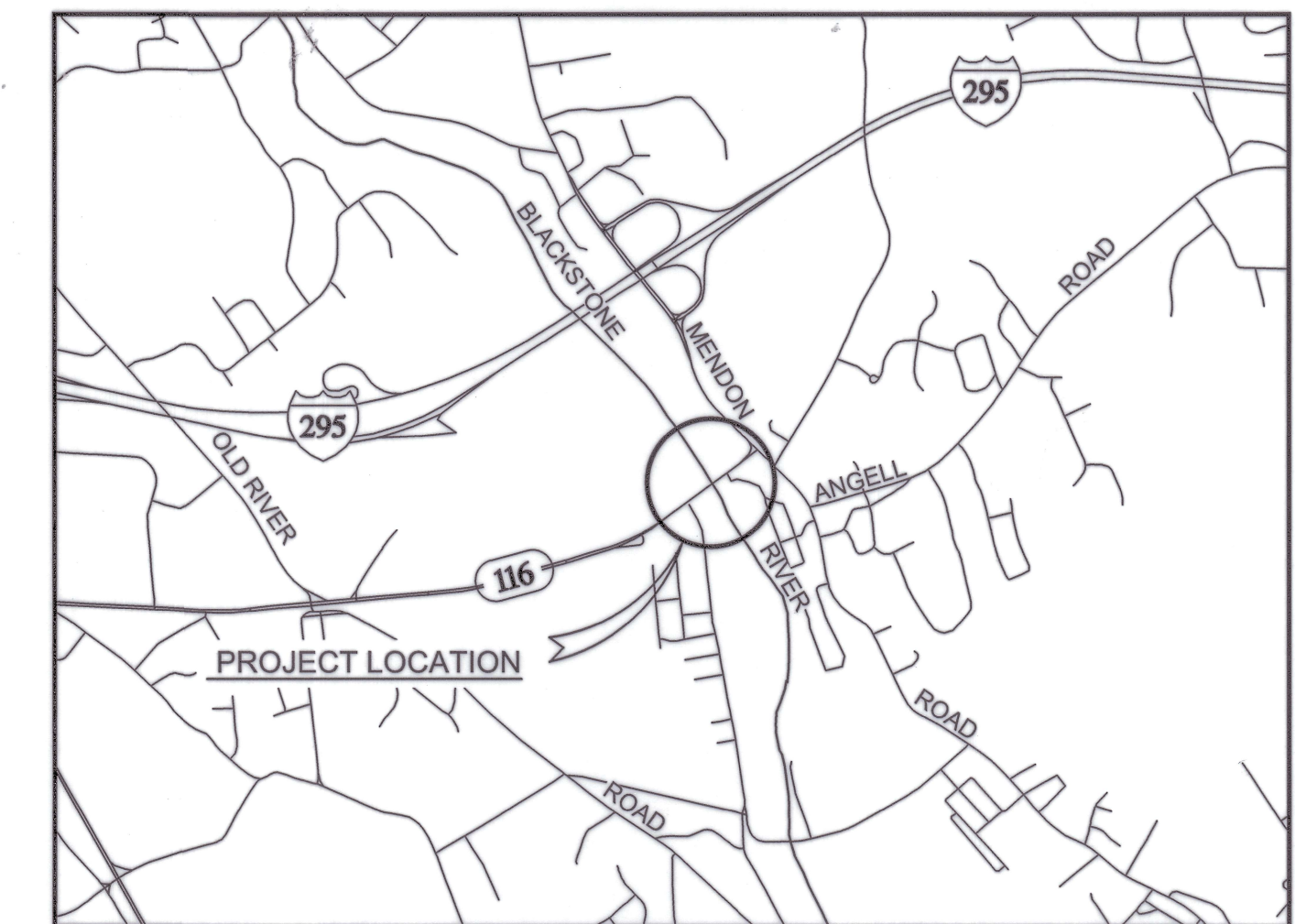
DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED
STATE HIGHWAYIDIQ - GENERAL STRUCTURAL REPAIRS /
REPLACEMENT TASK ORDER PROGRAM
ASHTON VIADUCT REPAIRS BRIDGE NO. 027501

PROJECT LIMITS

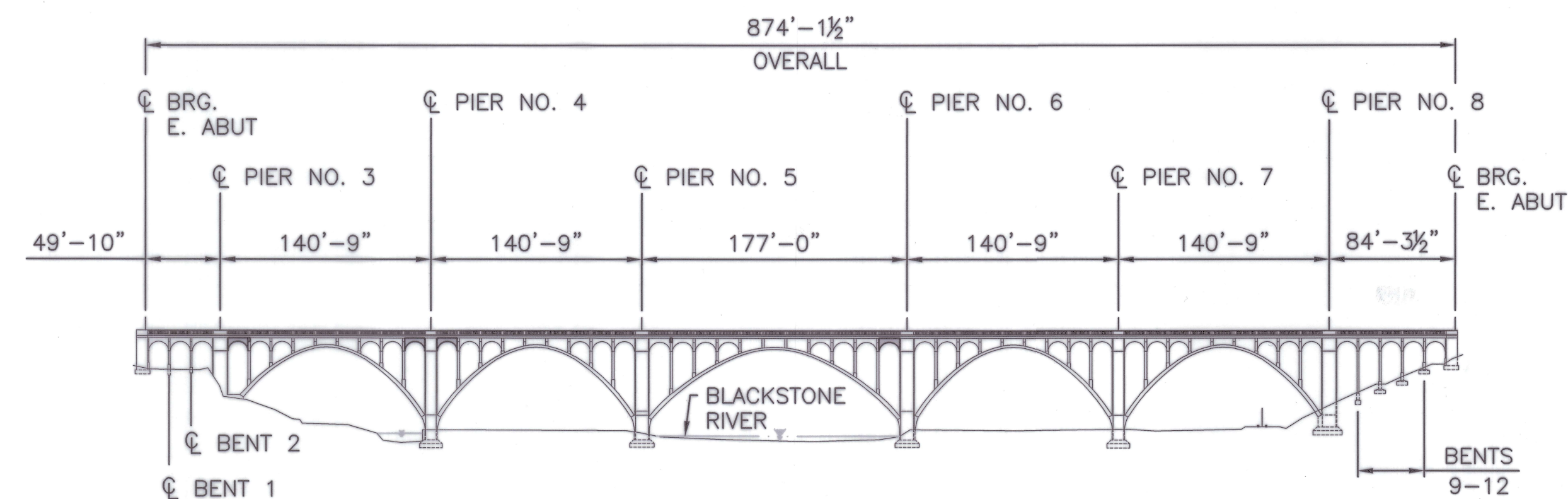
TOWNS OF LINCOLN AND CUMBERLAND
COUNTY OF PROVIDENCE

R.I. CONTRACT NO. 2025-CB-065 F.A. PROJECT NO. BHO-0275(003)

LOCATION MAP
SCALE: 1"=2,000'

INDEX OF DRAWINGS

Sheet Number	Sheet Title
1	COVER SHEET
2	BRIDGE GENERAL NOTES
3	BRIDGE GENERAL PLAN AND ELEVATION
4	REHABILITATION DETAILS SHEET 1
5	REHABILITATION DETAILS SHEET 2
6	MAINTENANCE & PROTECTION OF TRAFFIC



SOUTH ELEVATION

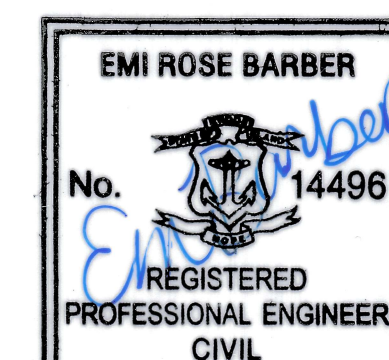
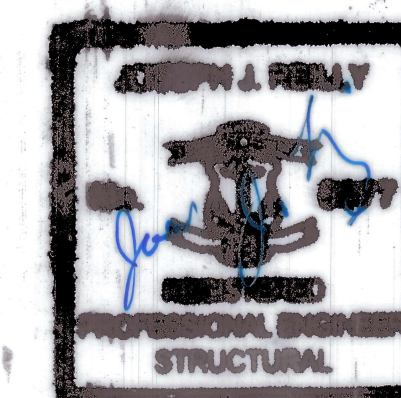
R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FEBRUARY 2025, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

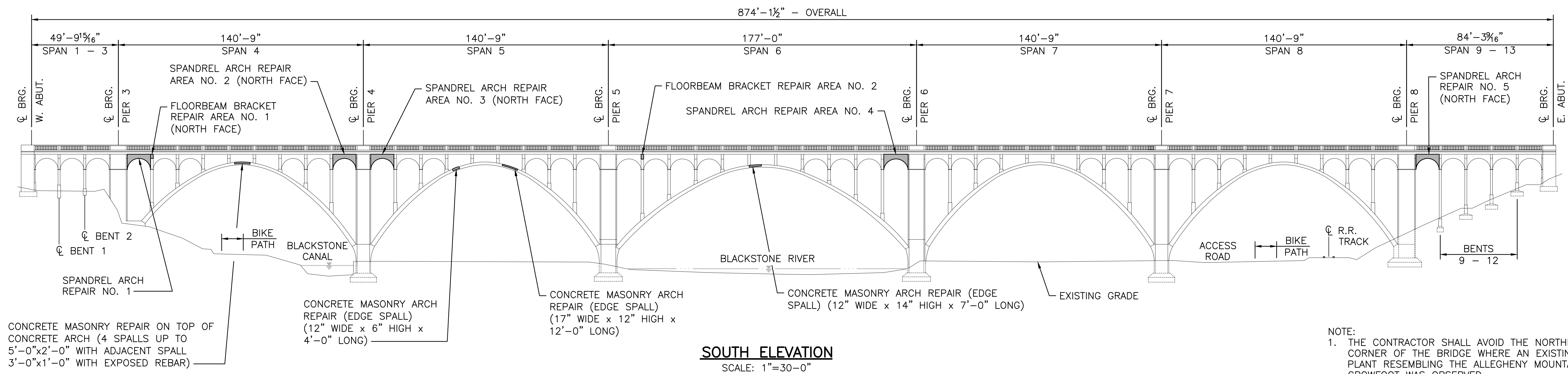
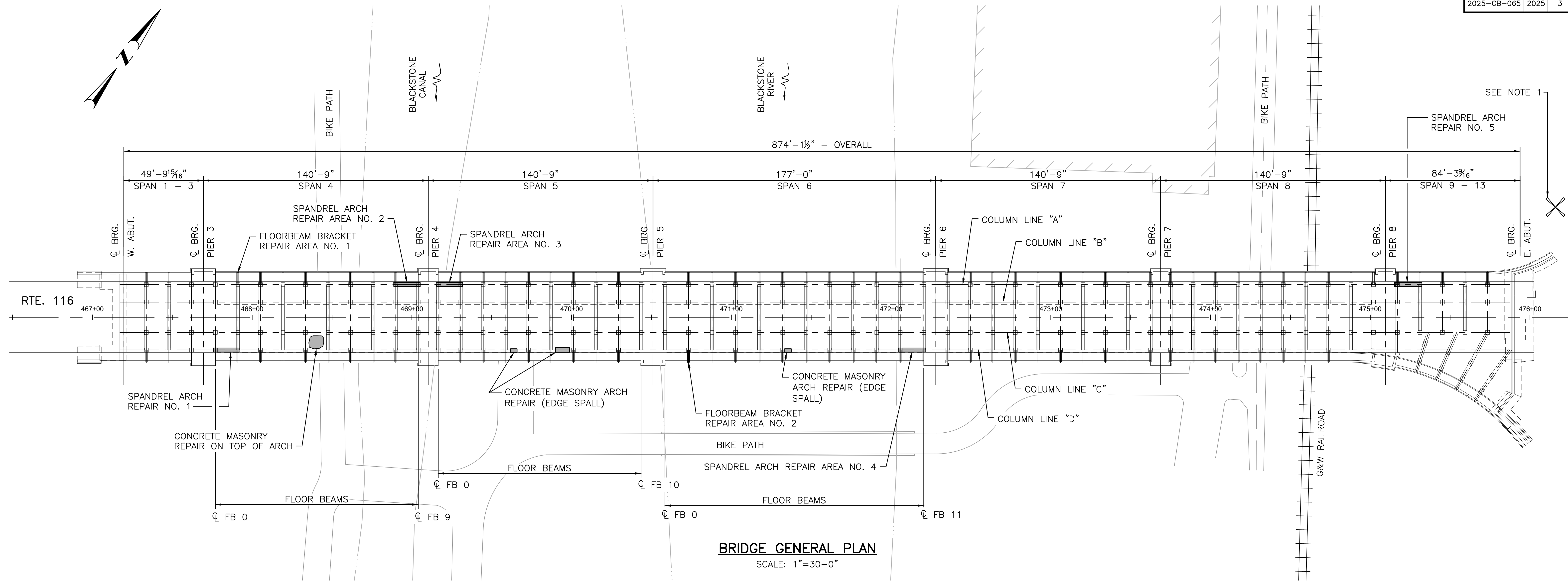
STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



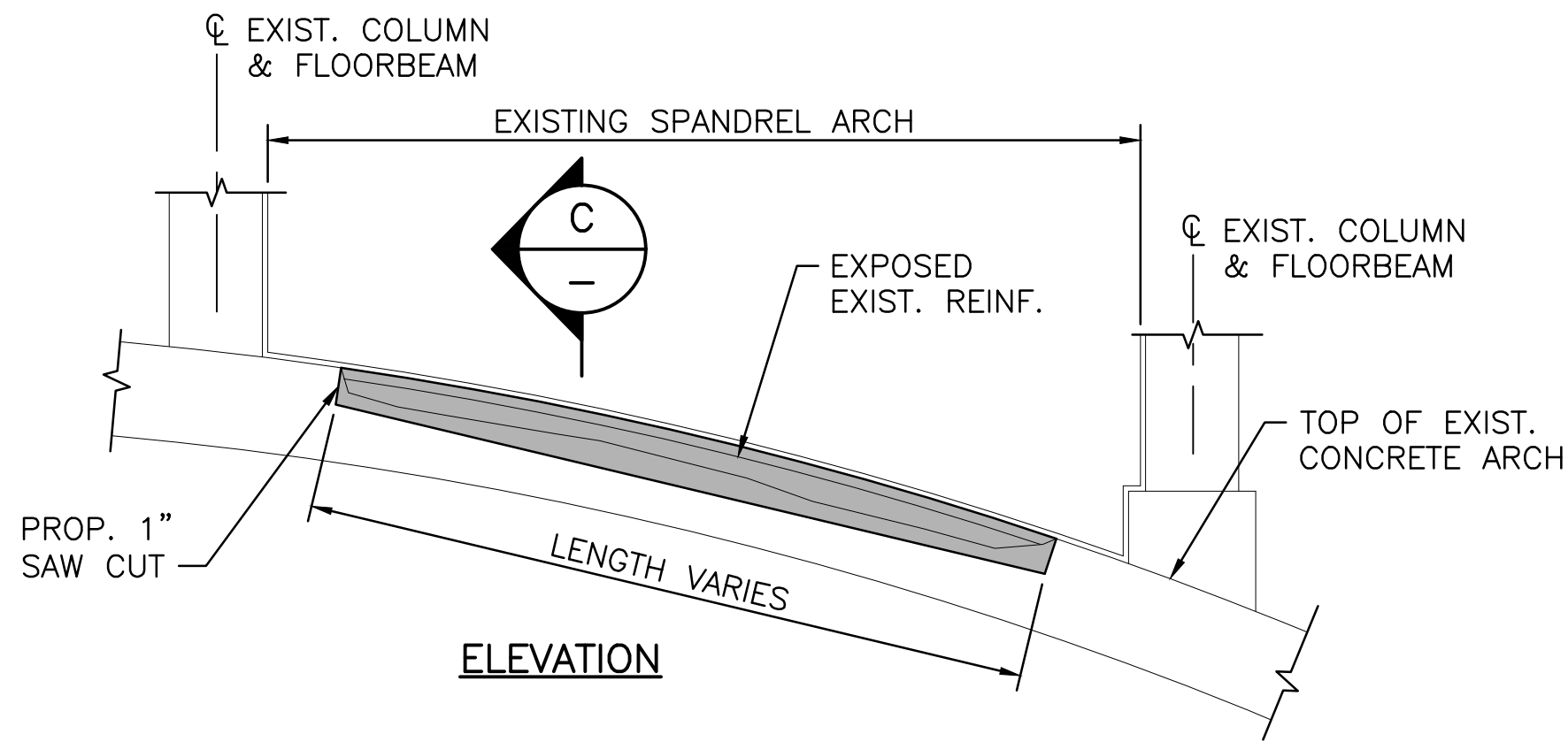
SCALES OF DRAWINGS	
Plans	1 inch = 20 feet
Profiles	1 inch = 20 feet Horizontal
Profiles	1 inch = 4 feet Vertical
Cross Sections	1 inch = 4 feet Horizontal
Cross Sections	1 inch = 4 feet Vertical

BASE OF LEVELS
NONECOMMONWEALTH
ENGINEERS & CONSULTANTS, INC.
400 SMITH STREET
PROVIDENCE, RI 02908Contract Number 2025-CB-065
Number of Sheet 1
Total Sheets 6

R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED	9-23-25
DIRECTOR, DIVISION OF PROJECT MANAGEMENT DATE	
APPROVED	9-24-25
CHIEF ENGINEER OF INFRASTRUCTURE DATE	
APPROVED	9/24/25
DEPARTMENT OF TRANSPORTATION OFFICE OF THE DIRECTOR DATE	
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
DIVISION ADMINISTRATOR	DATE

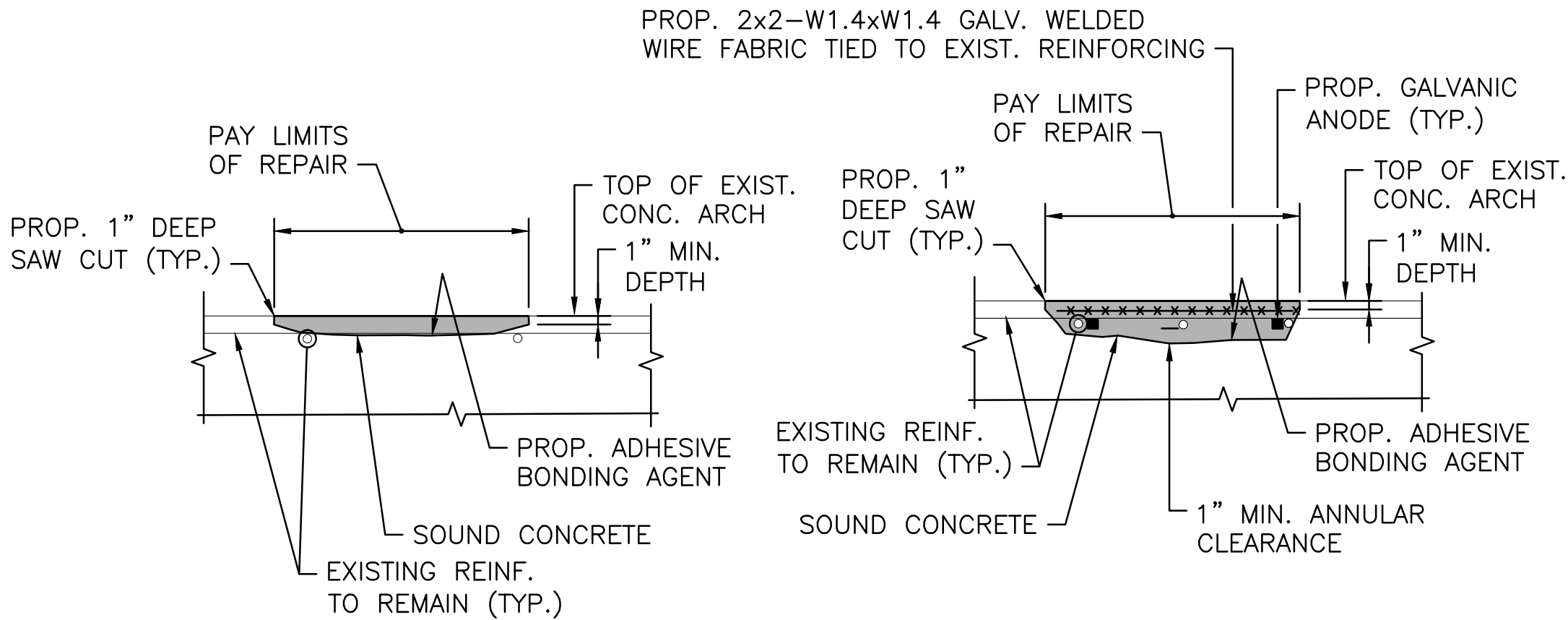


NOTE:
1. THE CONTRACTOR SHALL AVOID THE NORTHEAST CORNER OF THE BRIDGE WHERE AN EXISTING PLANT RESEMBLING THE ALLEGHENY MOUNTAIN CROWFOOT WAS OBSERVED.



CONCRETE ARCH EDGE SPALL REPAIR

SCALE: 3/8"=1'-0"

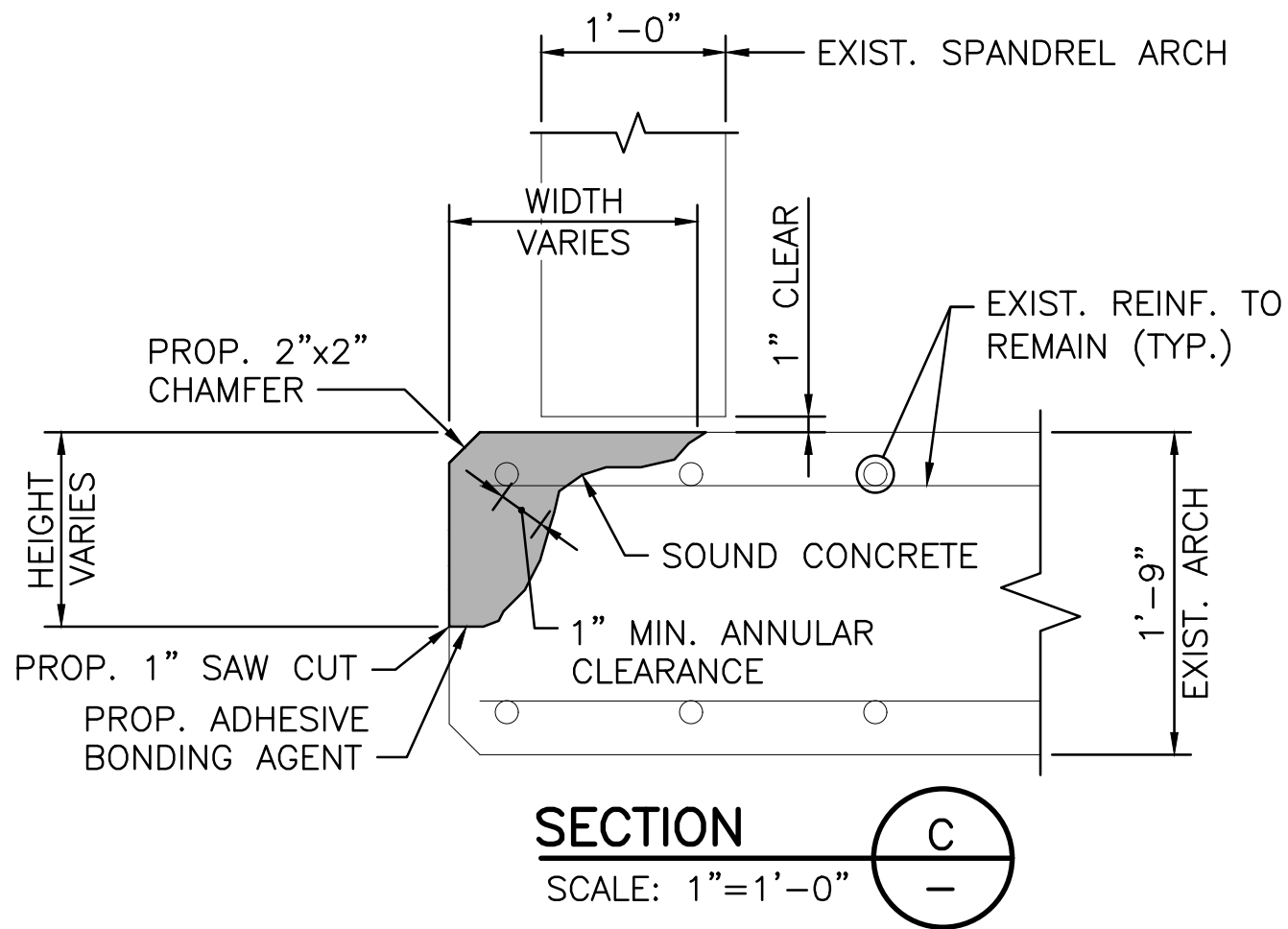


NOTE:
THIS REPAIR APPLIES TO AREAS WHERE NO MORE THAN ONE-HALF OF THE REBAR SURFACE IS EXPOSED, AND SURROUNDING CONCRETE IS SOUND.

NOTE:
THIS REPAIR APPLIES TO AREAS WHERE MORE THAN ONE-HALF OF THE REBAR SURFACE IS EXPOSED. BARS HAVING LOST 1/4 OR MORE OF THEIR ORIGINAL DIAMETER SHALL BE SUPPLEMENTED BY NEW BARS PLACED PARALLEL TO EXISTING REINFORCING. SEE DETAIL THIS SHEET

REPAIR DEPTH TO REINFORCEMENT

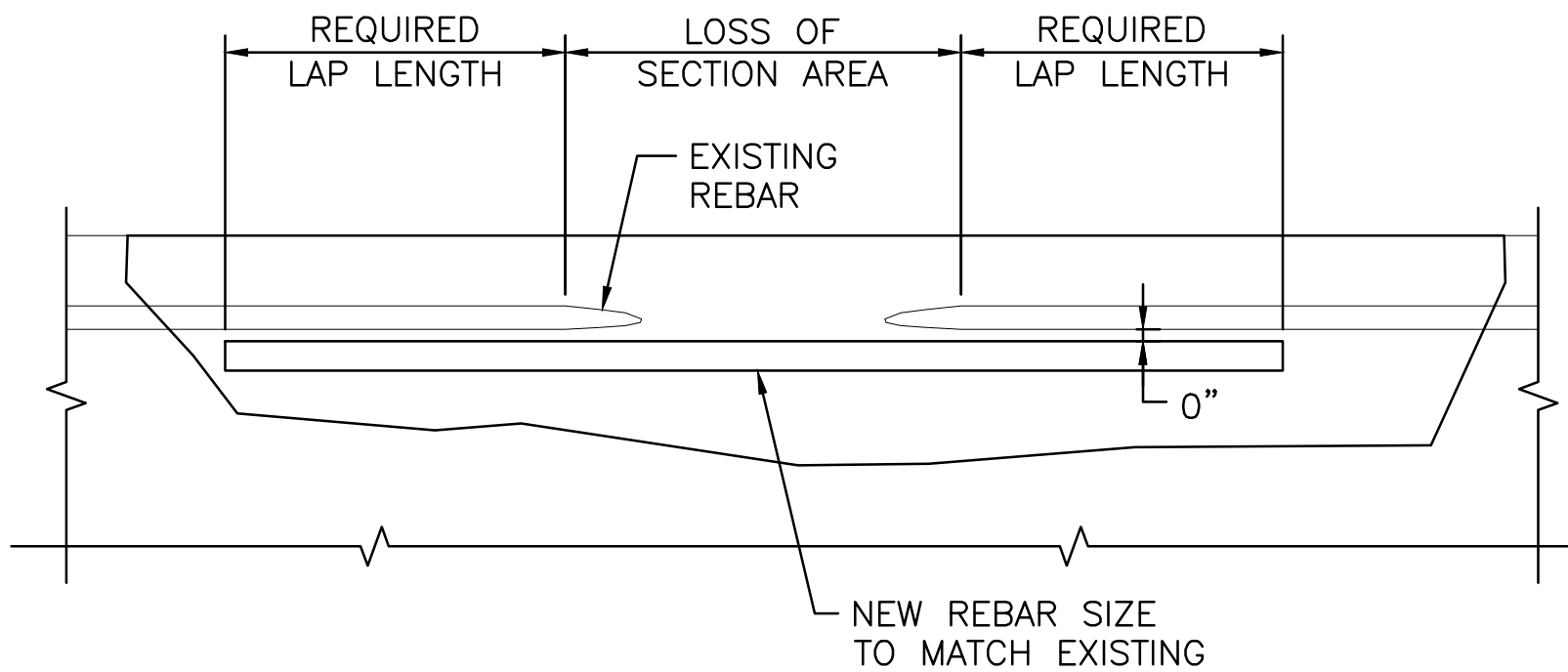
REPAIR DEPTH BEYOND REINFORCEMENT



SECTION

SCALE: 1"=1'-0"

TOP OF CONCRETE ARCH REPAIR
CONCRETE MASONRY REPAIR DETAILS
NOT TO SCALE



LAP CHART	
BAR	MINIMUM LAP
#4	1'-6"
#5	2'-0"
#6	2'-3"

NOTES:

1. EXTEND THE CONCRETE REMOVAL LIMIT TO ACCOUNT FOR BAR LAP.
2. COVER FOR BOTH REBARS IS THE SAME.
3. SUPPLEMENTAL REINFORCING SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN COST OF REPAIR.

SUPPLEMENTAL REINFORCING REPAIR

NOT TO SCALE

GALVANIC ANODE NOTES:

1. GALVANIC ANODES SHALL BE SPACED EVENLY AROUND THE PERIMETER OF THE REPAIR AREA AT A MAXIMUM SPACING OF 24" O.C.
2. COST OF GALVANIC ANODES SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE COST OF THE REPAIR.
3. FOR THE SPECIFICATION OF EMBEDDED GALVANIC ANODES, REFER TO JOB SPECIFIC CODE 810.99.

LEGEND

 DENOTES AREAS OF NEW CONCRETE



COMMONWEALTH
ENGINEERS & CONSULTANTS, INC.
400 SMITH STREET
PROVIDENCE, RI 02908



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

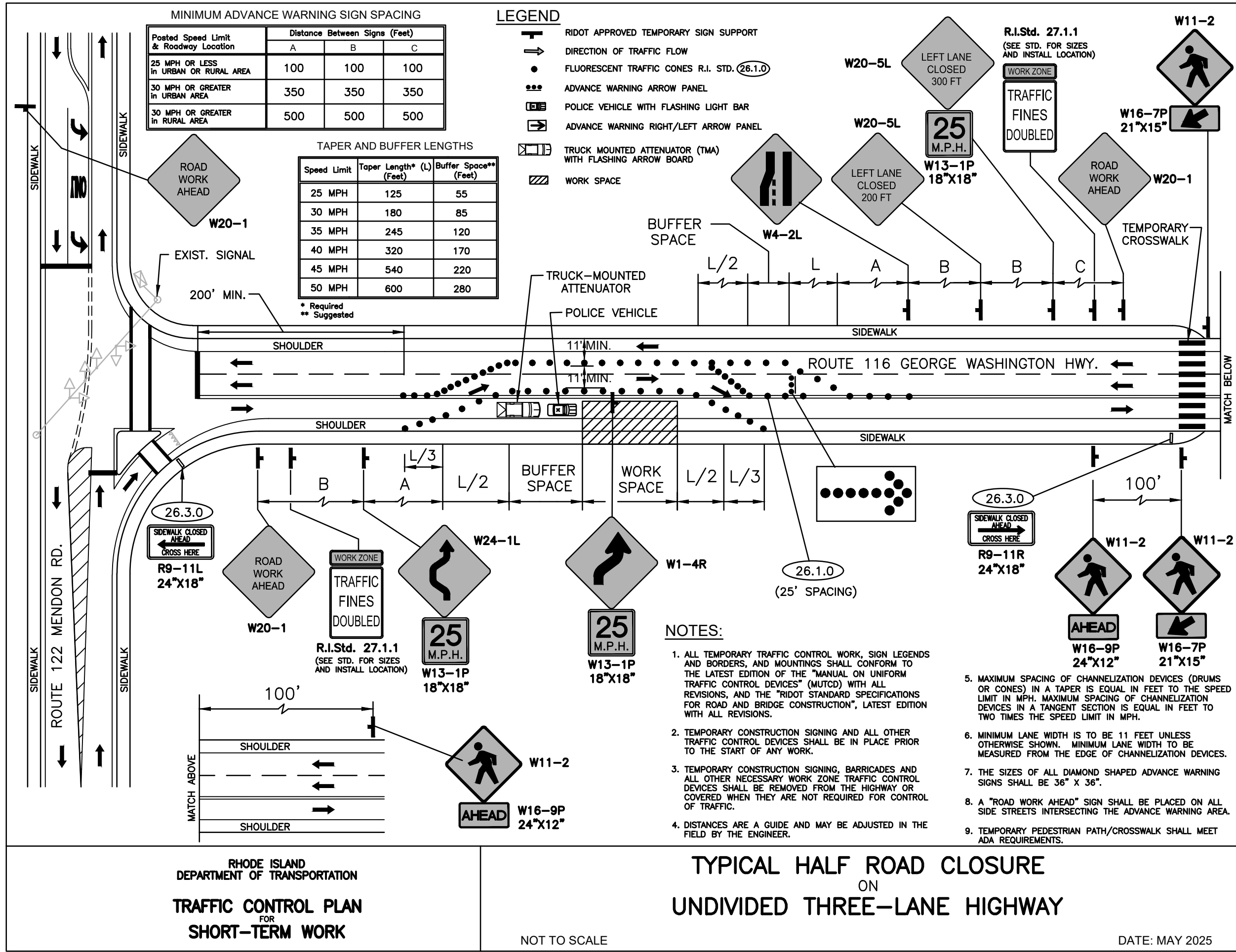
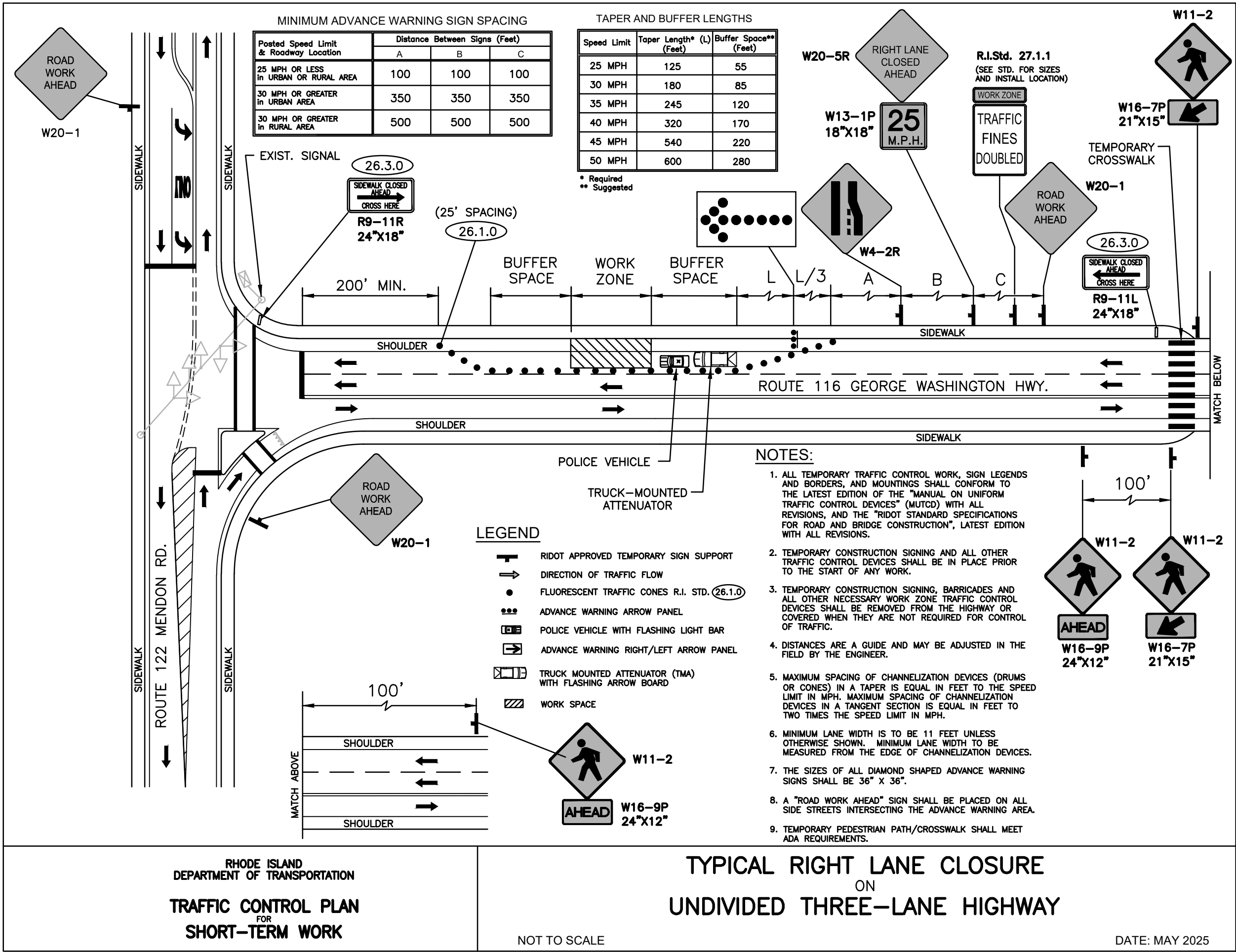
DESIGNED BY: _____
CHECKED BY: _____
DATE: _____
SHEET: 5
OF: 6

SCALE: AS SHOWN

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

IDIQ - GENERAL STRUCTURAL REPAIRS
ASHTON VIADUCT BRIDGE NO. 027501
LINCOLN, CUMBERLAND
RICN: 2025-CB-065 VOL 1
RHODE ISLAND

REHABILITATION DETAILS SHEET 2



COMMONWEALTH
ENGINEERS & CONSULTANTS, INC.
400 SMITH STREET
PROVIDENCE, RI 02908



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: _____
CHECKED BY: _____
DATE: _____
SHEET: 6
OF: 6

SCALE: NO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

IDIQ - GENERAL STRUCTURAL REPAIRS
ASHTON VIADUCT BRIDGE NO. 027501
LINCOLN, CUMBERLAND
RICN: 2025-CB-065 VOL 1
MAINTENANCE & PROTECTION
OF TRAFFIC