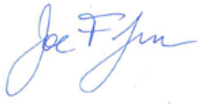

TO: TOWN OF RICHMOND

FROM: JOE FLYNN, SECRETARY OF TRANSPORTATION 

DATE: MARCH 11, 2022

SUBJECT: RESPONSE TO SELECTBOARD LETTERS DATED FEBRUARY 16, 2022 AND MARCH 9, 2022

Dear Chairperson Heston,

Thank you for reaching out in the letters from the Selectboard dated February 16, 2022, and March 9, 2022 regarding additional comments on the Richmond-Bolton STP 2924(1) Final Plans and the easement request for the Richmond IM 089-2(52) bridge project on US 2.

To respond first regarding the Richmond-Bolton STP 2924(1) paving project, you're likely aware that the contract is on schedule to be advertised on March 16, 2022. While we understand that the requested review period for the Final Plans was limited, this abbreviated duration was necessary to maintain the schedule for advertisement and subsequent construction and was a continuation of the collaboration between the Town and VTrans during development. We've provided an overview to your questions below and in the attached plans, and our Project Manager, Matt Bogaczyk, will continue to work with you on any additional questions you may have – Matthew.Bogaczyk@vermont.gov (802) 793-5321.

The design team has reviewed your letter and offers the following responses:

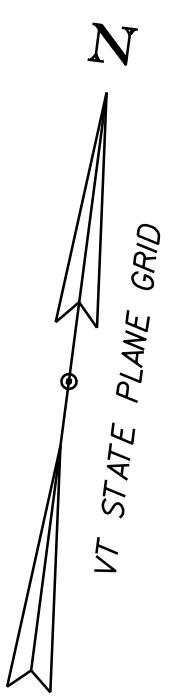
- *It is the opinion of the Transportation Committee that the shoulder widths identified in the VTrans plans between the Park and Ride and the village are more than pinch points and present an unsafe infrastructure for pedestrians, bicyclists and vulnerable users of Route 2 for transportation. The Transportation Committee requests VTrans to minimize the length of the pinch points and ensure five-foot shoulders as much as feasible without incurring exorbitant costs.*
 - VTrans has worked closely with the design consultant, Stantec, to ensure that any areas where five-foot shoulders could not be achieved are as abbreviated as possible. The pinch points have been identified as locations where box culverts or bridges, retaining walls, and other sharp topographic features would not allow for expansion while remaining in the existing ROW or creating unstable slopes or other environmental impacts. At each of the six pinch points, the shoulders were narrowed and extended in as short of a linear distance as reasonable without creating an immediate, and unsafe reduction in paved width. It should be noted that while five-foot shoulders will provide a safer and more comfortable shoulder for bicyclists and other users, the width is not intended to create an appropriate on road ADA compliant pedestrian facility or shared use path.
- *[Regarding the response provided to Mr. Arneson on January 26, 2022] This response is inadequate and it does not adhere to the agreement to maintain five-foot shoulders with the exception of a few pinch points...*
 - As discussed in previous correspondence, VTrans has modeled the roadway and investigated any areas where five-foot shoulders are possible within the scope of this project. The scope is restrictive in that there will be no extraneous environmental permitting required, and all work

will remain within the existing State of Vermont Right-of-Way (ROW). The scope limitations are set to ensure that the project is able to meet the original intent as programmed, which in this case is to maintain and rehabilitate US-2's surface condition in the most expeditious and fiscally responsible manner as possible. Examples of items that were deemed "out of scope" are the replacement of bridges and large box culverts, major expansion, and large slope activities that would require work outside of the ROW to create a stable engineered slope. Each of these items would have significant impacts to the schedule which would further delay the rehabilitation of the roadway. With these restrictions in mind, we have reviewed the 1.59 mile stretch to define the areas where pinch points were encountered. The corresponding plan sheets are attached to display a breakdown of the shoulder widths which were achieved and the infrastructure or topography which limited further expansion.

To summarize the attached sheets, it was found that 73% of the total length was able to meet or exceed five-foot shoulders. Further, we identified areas where we were able to achieve three to five-foot shoulders to indicate where minimum accepted shoulder widths by bicyclists were able to be achieved. It was found that roughly 26% of the total length meets or exceeds the minimum three-foot desired shoulder width due to infrastructure or topographic constraints. The remaining 1-2% of total length does drop below three-foot shoulders, which is limited to the noted location in Josh Arneson and Matt Bogaczyk's email chain referenced above and in your letter.

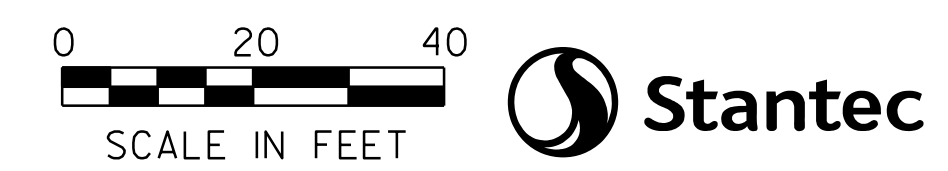
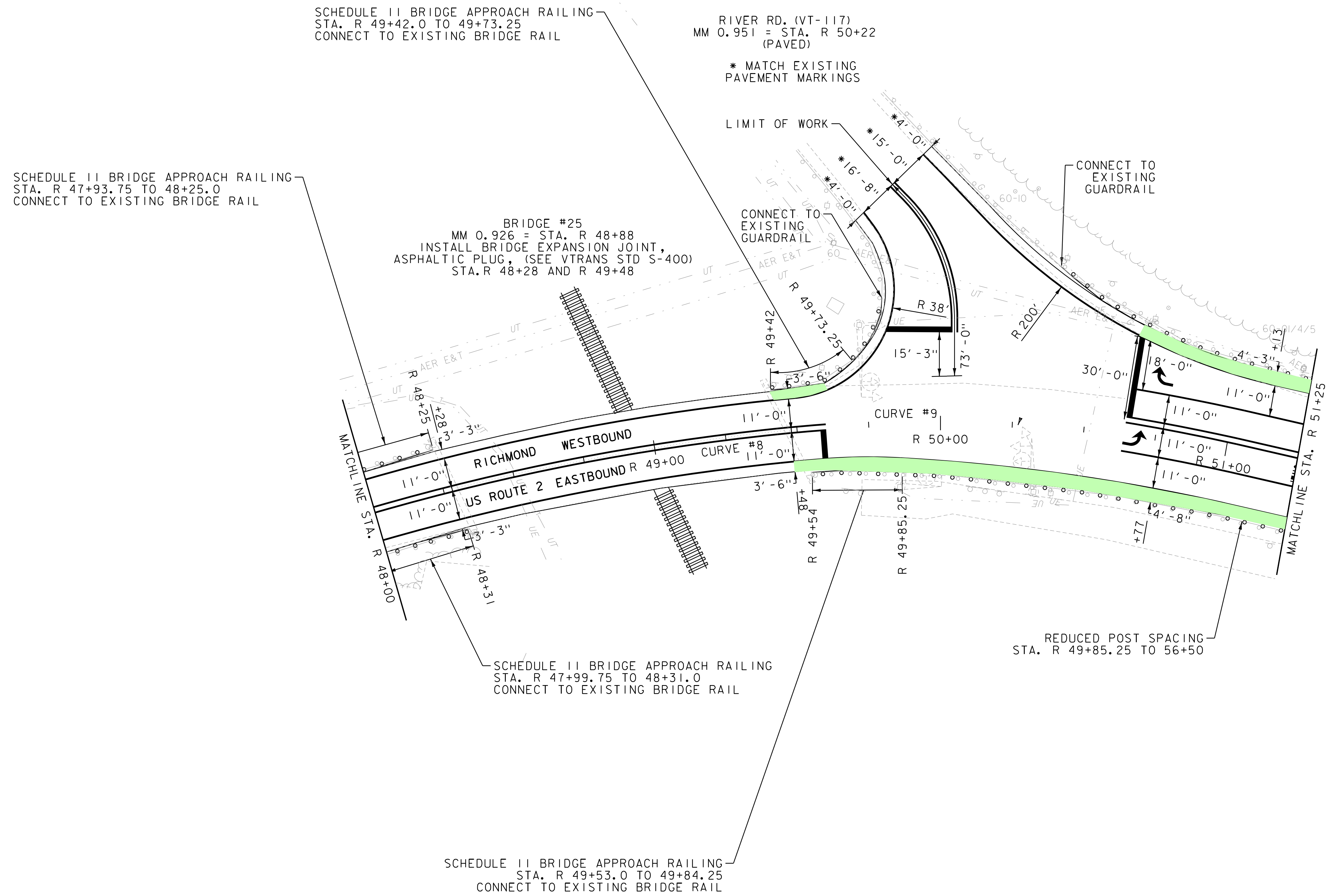
Secondly, as it relates to the easement request for the Richmond IM 089-2(52) bridge project on US 2, we are happy to discuss any questions you have. Our Project Manager, Carolyn Cota, can assist you as questions arise along the way – Carolyn.Cota@vermont.gov and (802) 917-4891.

VTrans understands the desire to hold a meeting to discuss both projects in more detail. Please let us know your availability during the week of March 21st, and we would be happy to work with you to set something up.




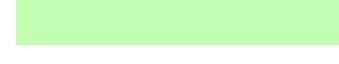

SHOULDER WIDTH COLOR KEY

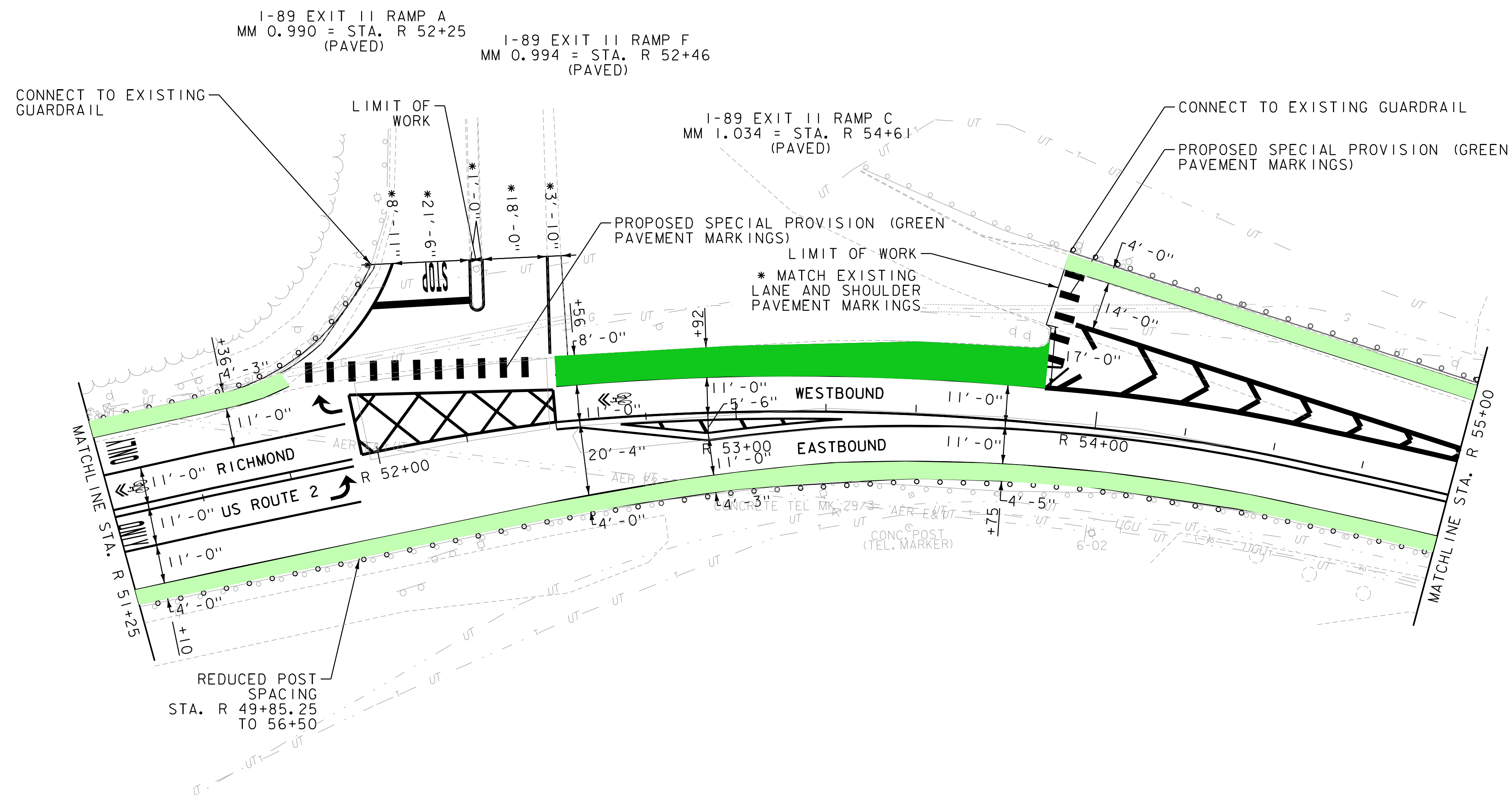
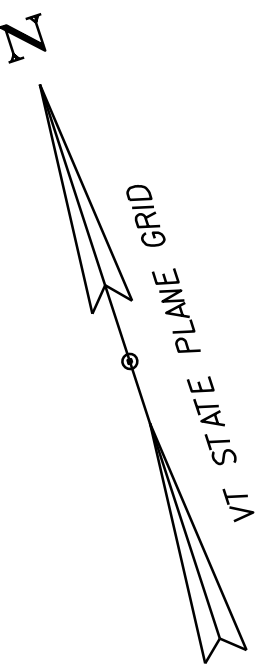
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON		
PROJECT NUMBER:	STP 2924(I)		
FILE NAME:	z10c254bdr_shoulder	Widths.dgn	PLOT DATE: 2/23/2022
PROJECT LEADER:	M. FOISY	DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER	CHECKED BY:	G. SANTY
PLAN SHEET II		SHEET	I OF 18


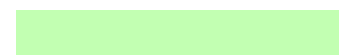
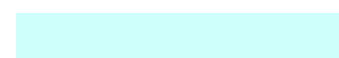
SHOULDER WIDTH COLOR KEY

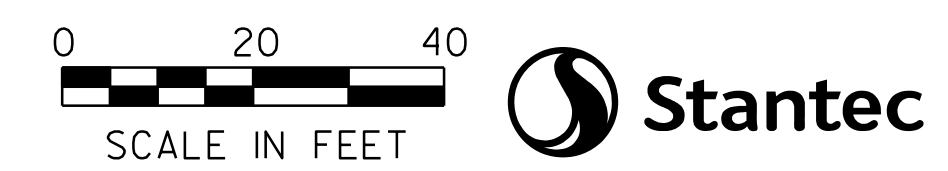
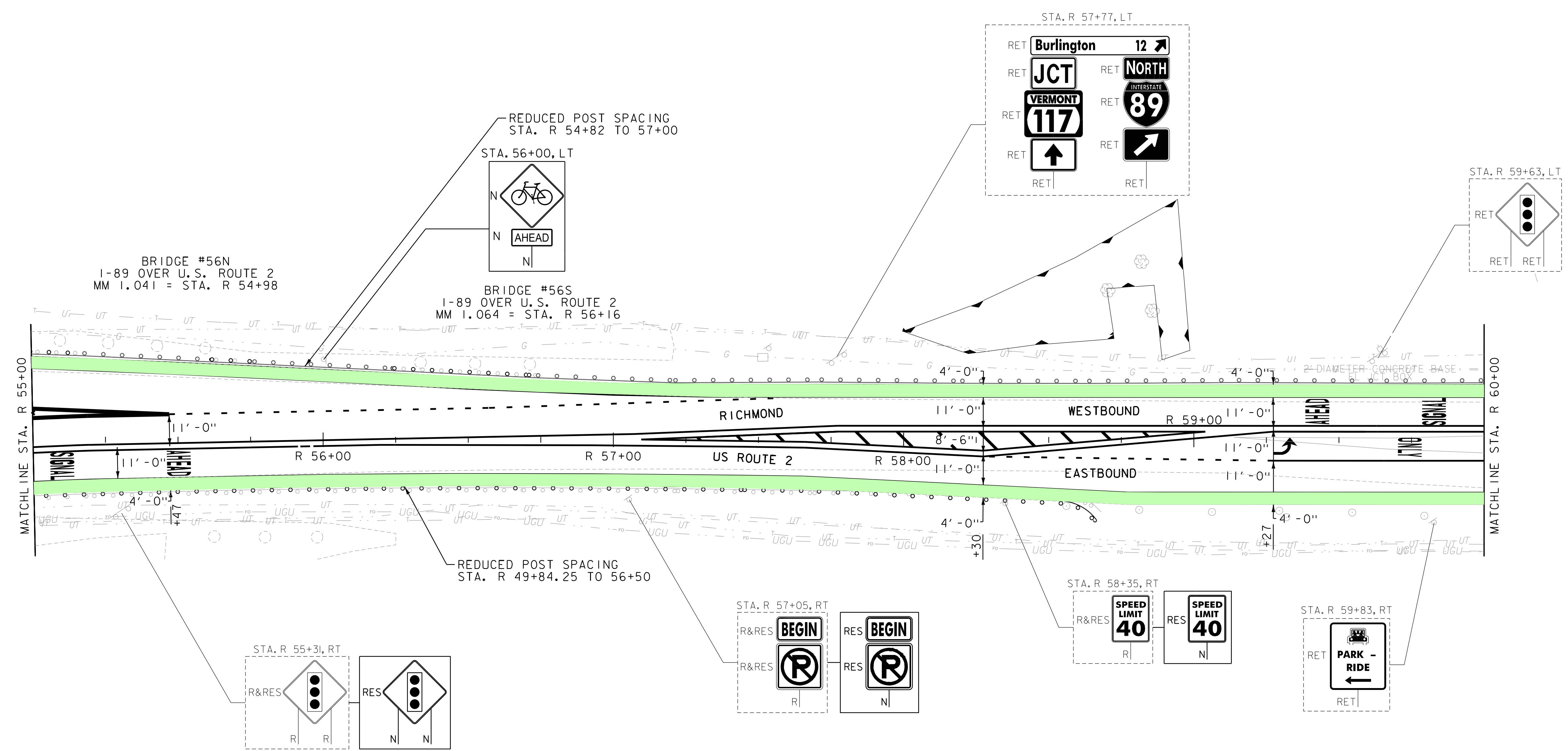
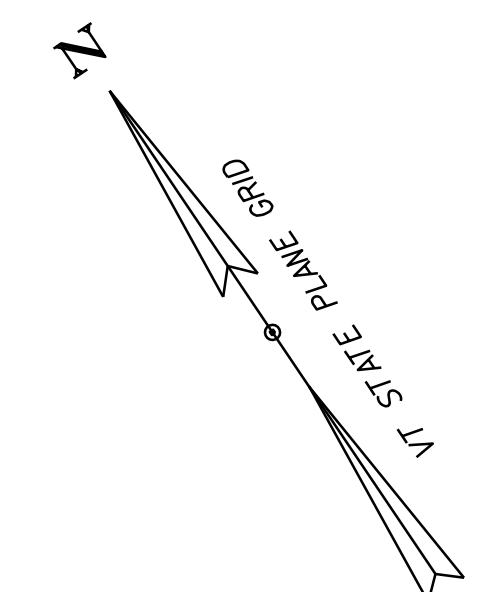
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET I2	SHEET 2 OF 18


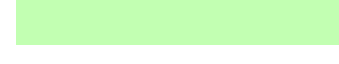

SHOULDER WIDTH COLOR KEY

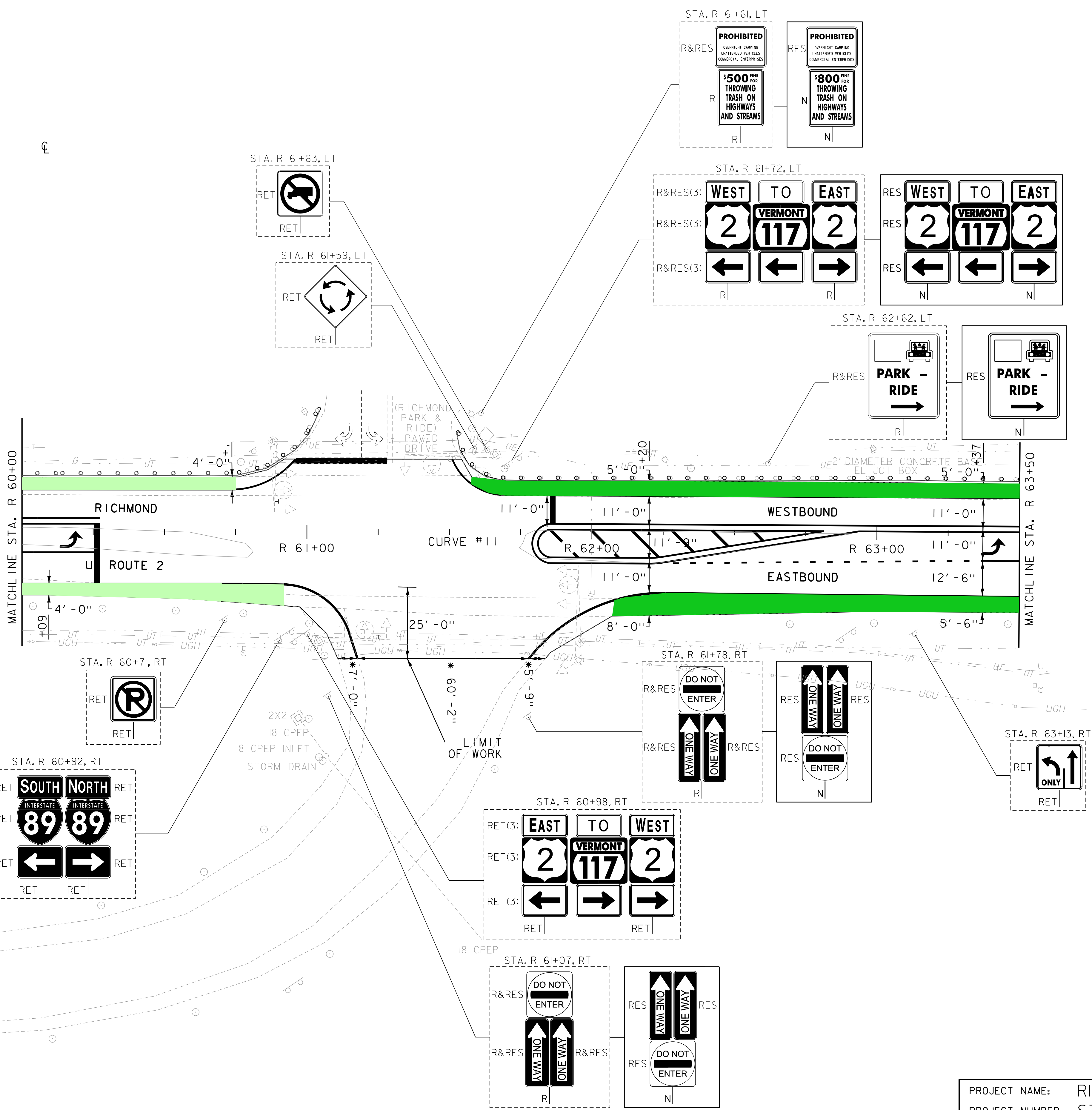
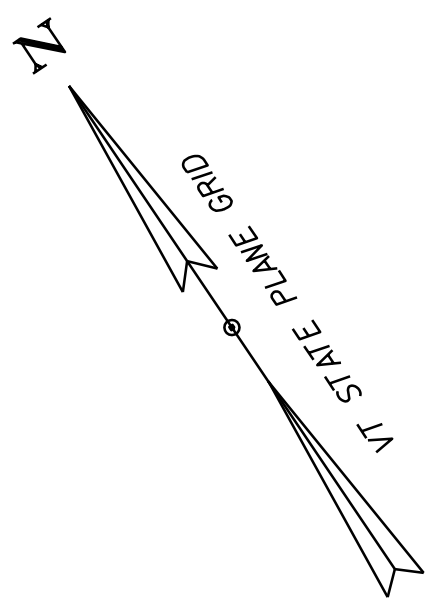
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



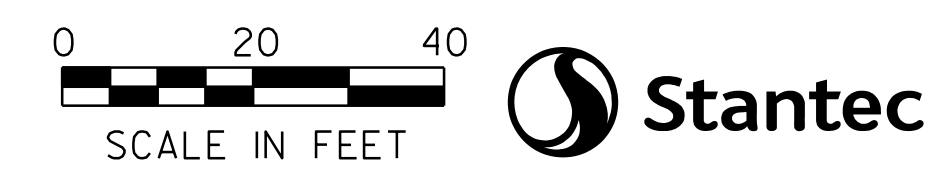
PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET I3	SHEET 3 OF 18

SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH


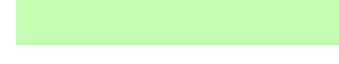



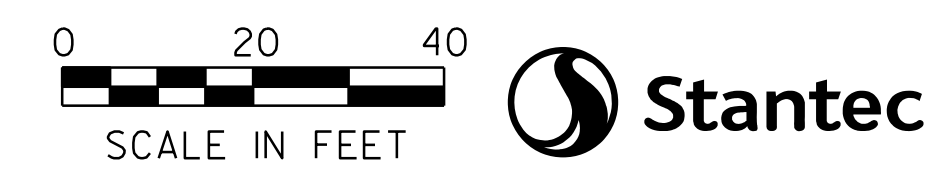
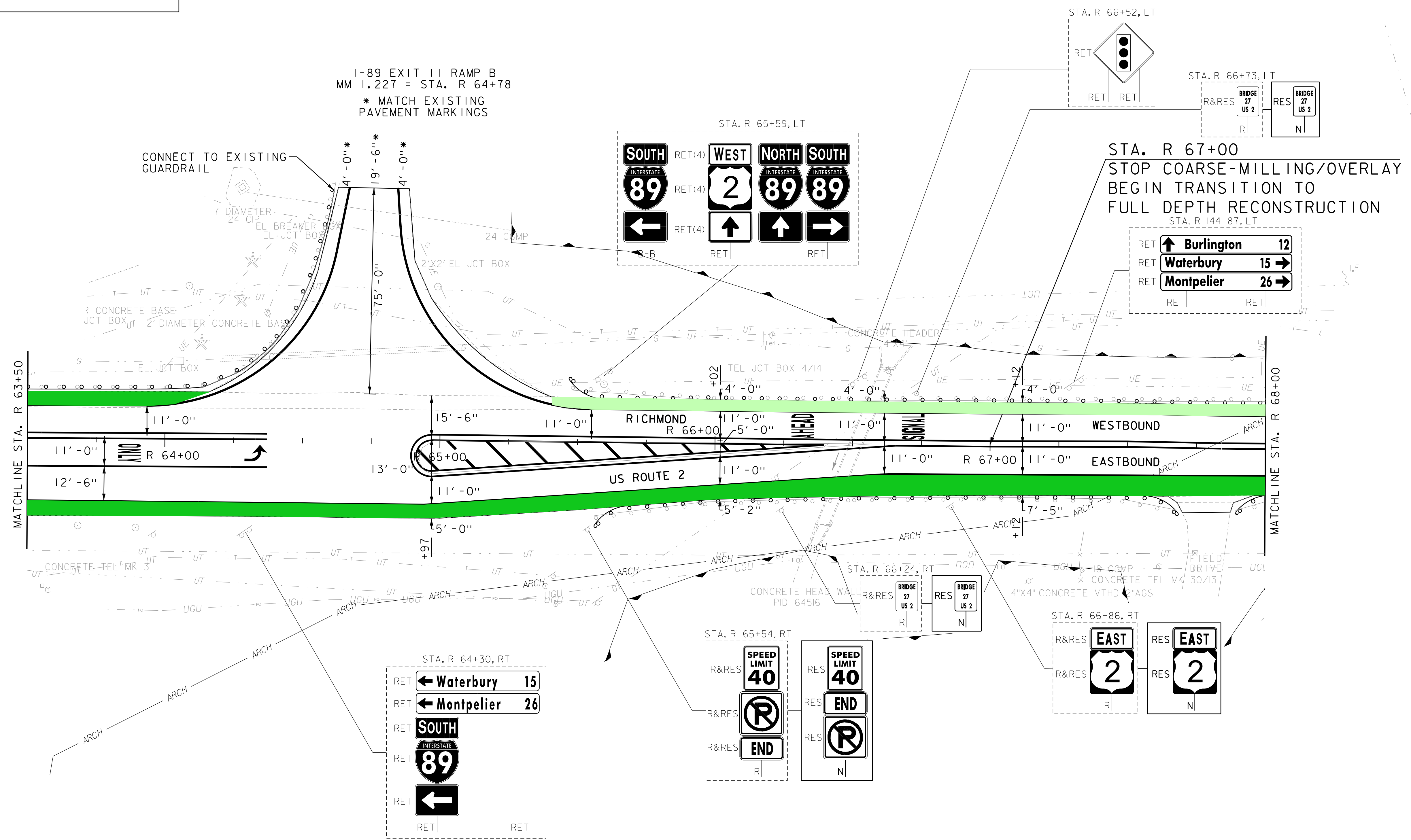
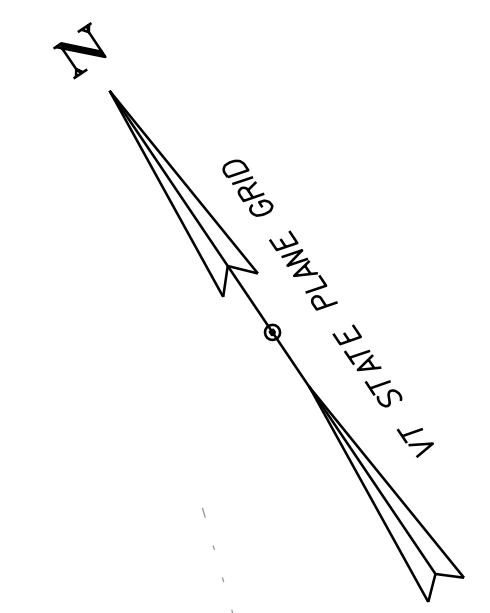
I-89 EXIT 11 RAMP D
 MM 1.165 = STA. R 61+52
 * MATCH EXISTING
 PAVEMENT MARKINGS



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widtns.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 14	SHEET 4 OF 18


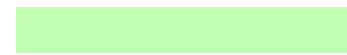
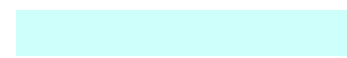
SHOULDER WIDTH COLOR KEY

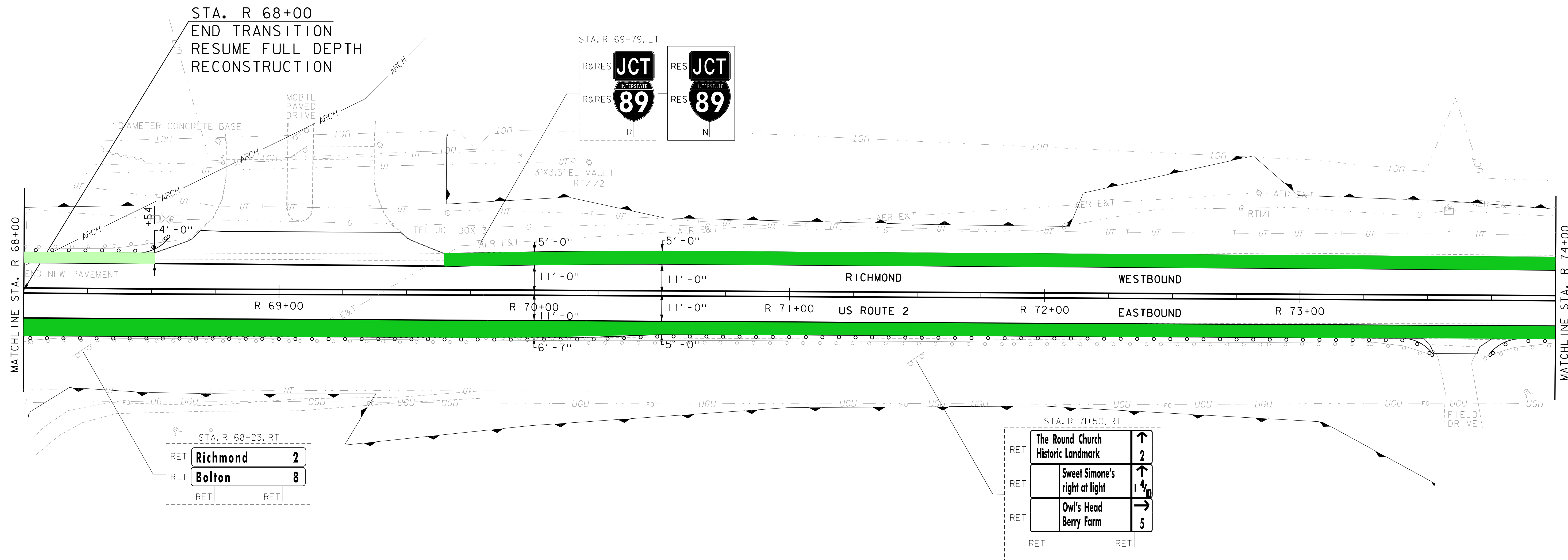
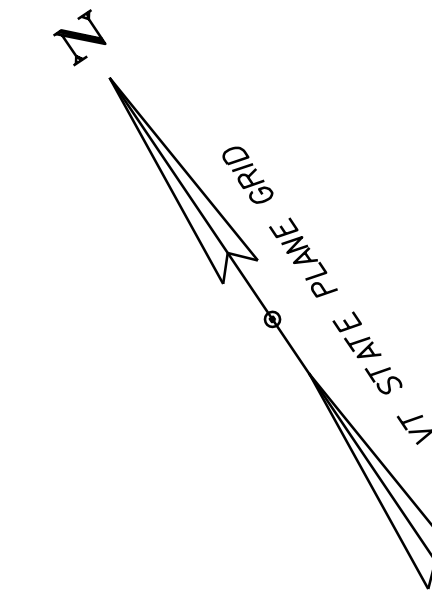
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON		
PROJECT NUMBER:	STP 2924(I)		
FILE NAME:	z10c254bdr_shoulder	Widths.dgn	PLOT DATE: 2/23/2022
PROJECT LEADER:	M. FOISY		DRAWN BY: G. BARRETT
DESIGNED BY:	G. BURGMEIER		CHECKED BY: G. SANTY
PLAN SHEET I5			SHEET 5 OF 18

SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



STA. R 68+23, RT

RET	Richmond	2
RET	Bolton	8
RET		RET


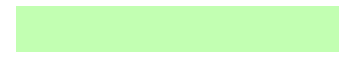

STA. R 71+50, RT

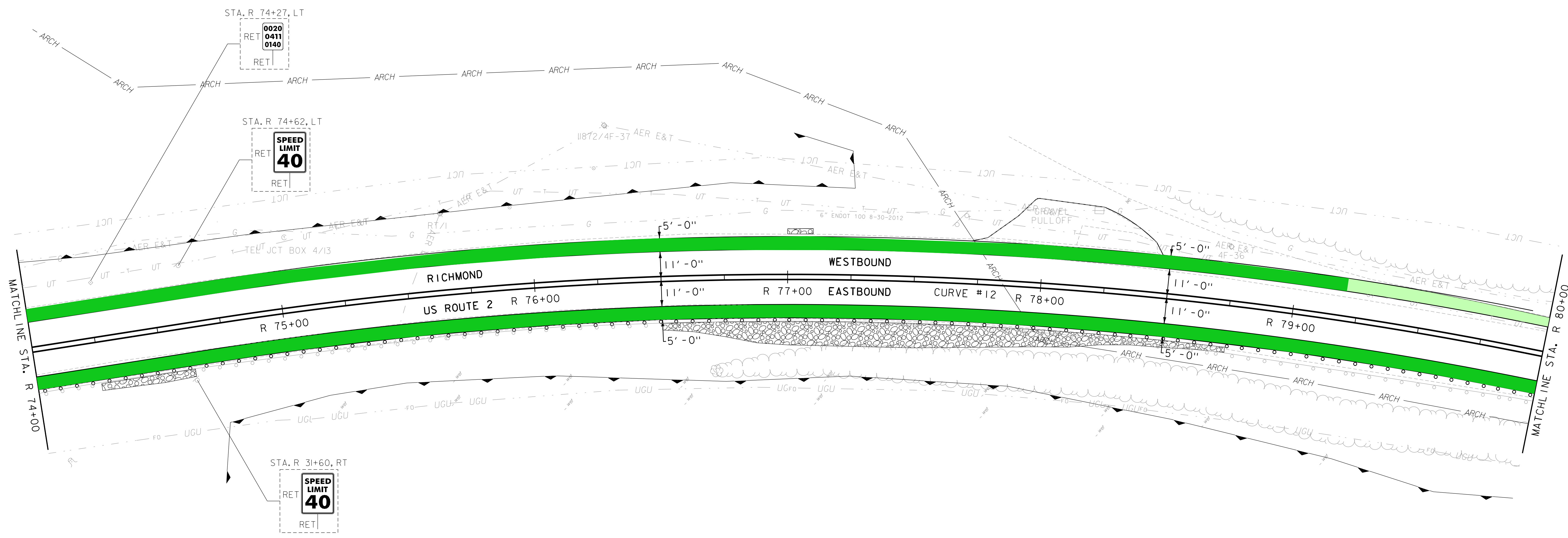
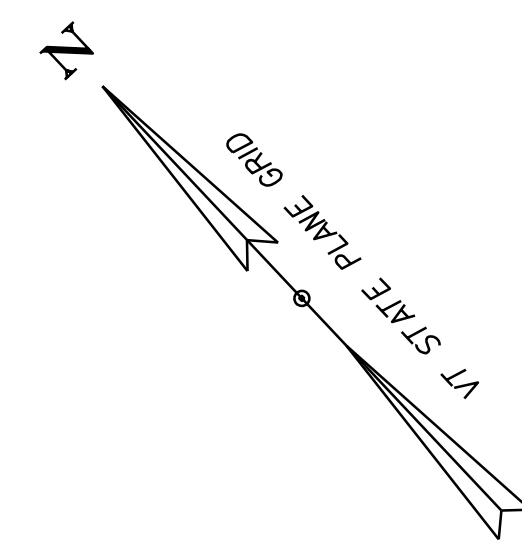
RET	The Round Church Historic Landmark	↑	2
RET	Sweet Simone's right at light	↑	1 1/2
RET	Owl's Head Berry Farm	→	5
RET		RET	RET



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET I6	SHEET 6 OF 18


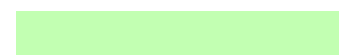
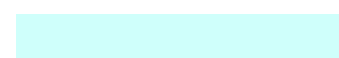
SHOULDER WIDTH COLOR KEY

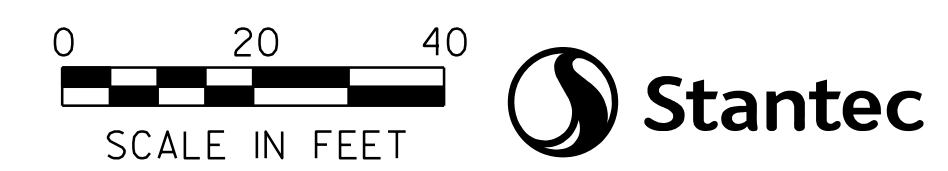
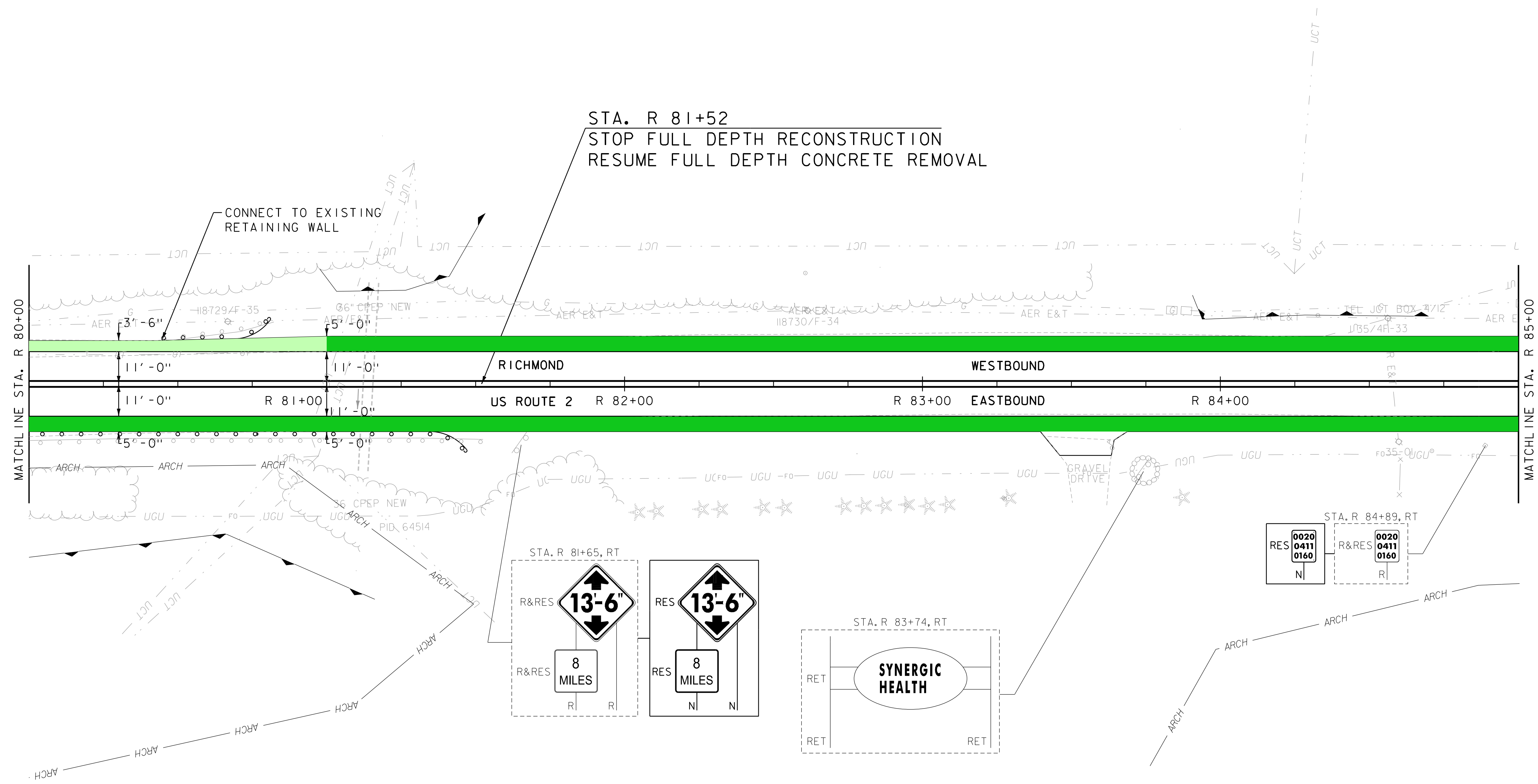
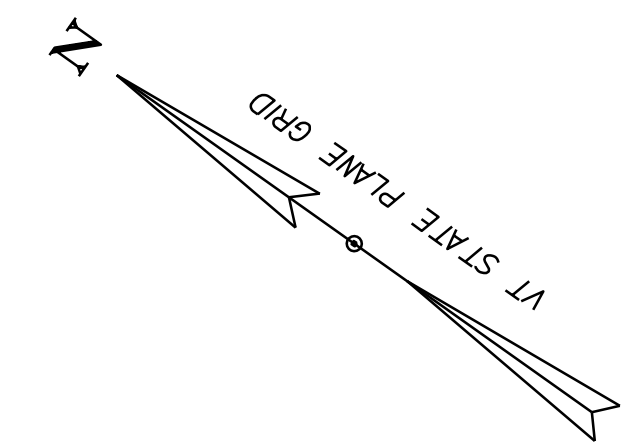
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 17	SHEET 7 OF 18


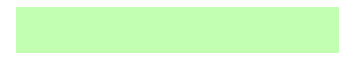

SHOULDER WIDTH COLOR KEY

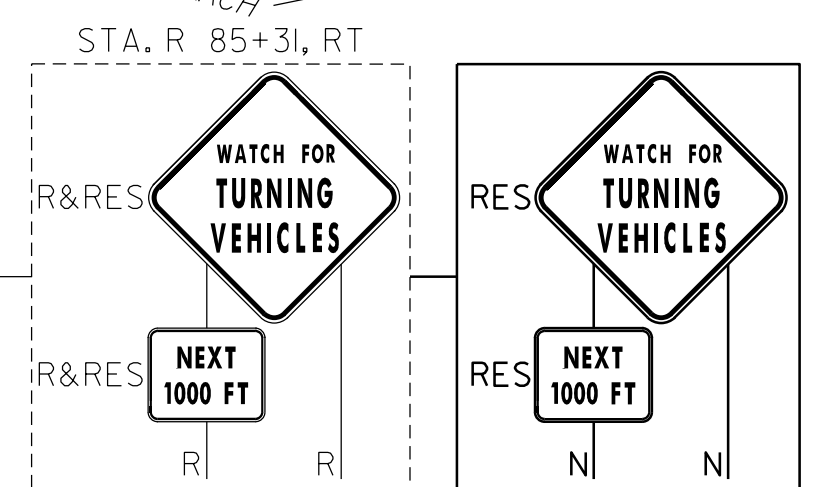
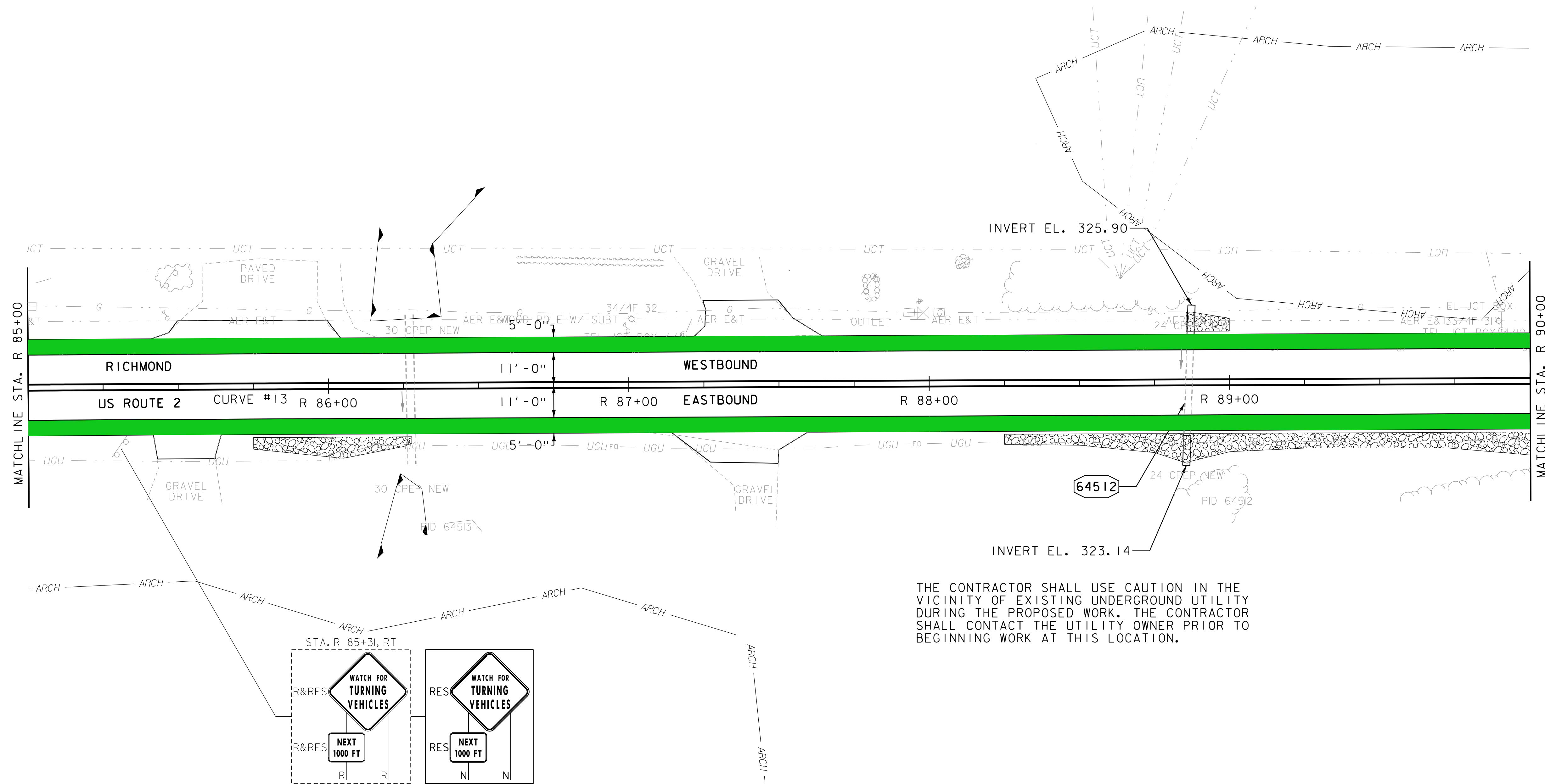
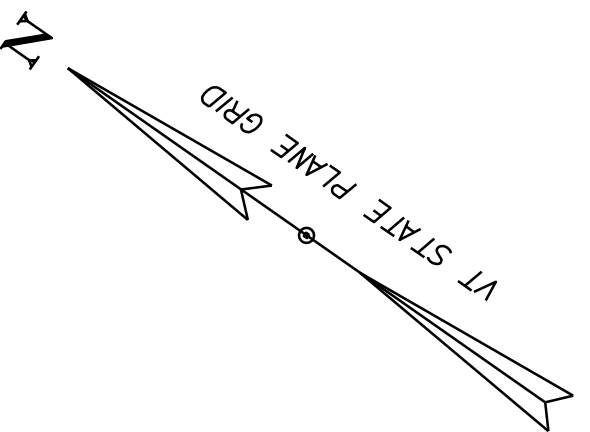
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 18	SHEET 8 OF 18


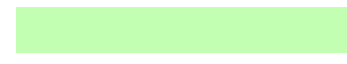

SHOULDER WIDTH COLOR KEY

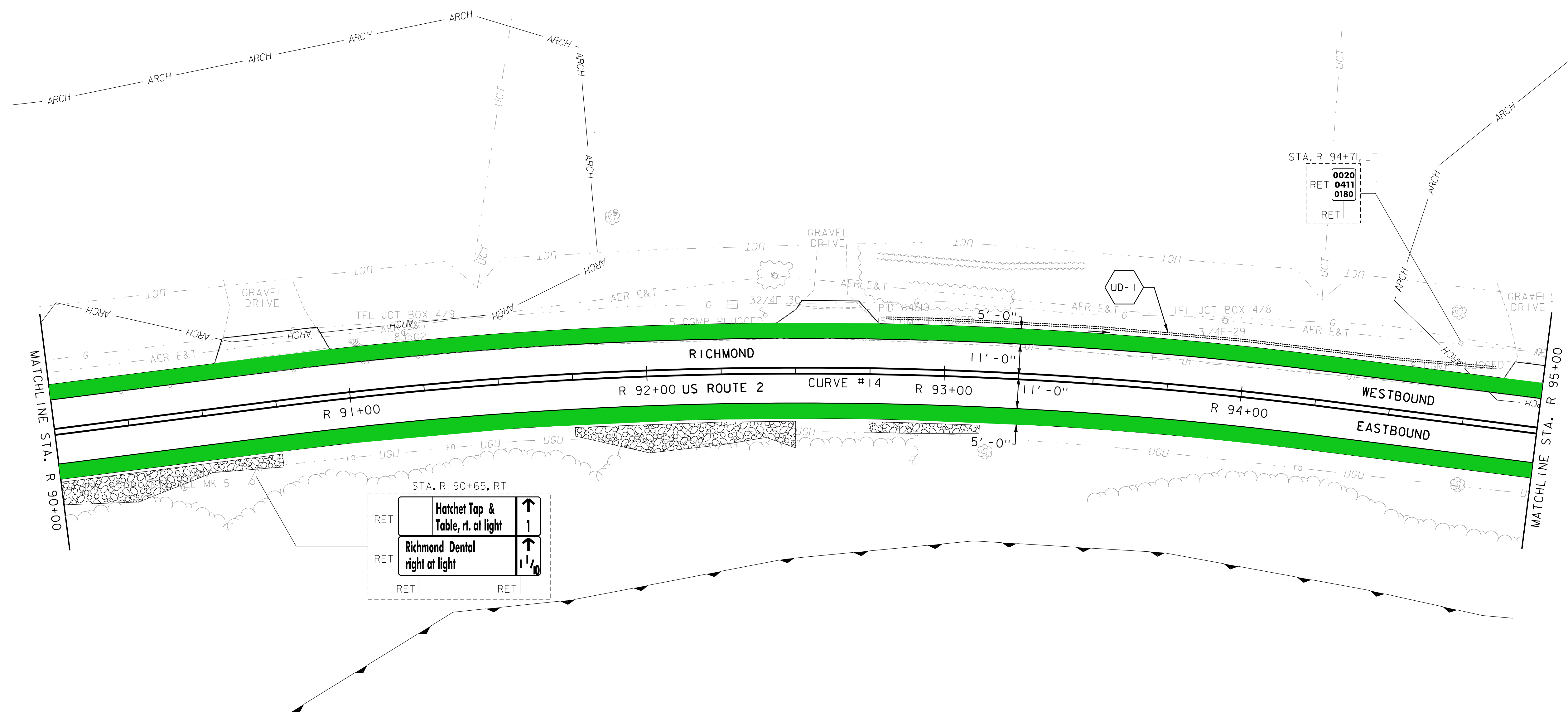
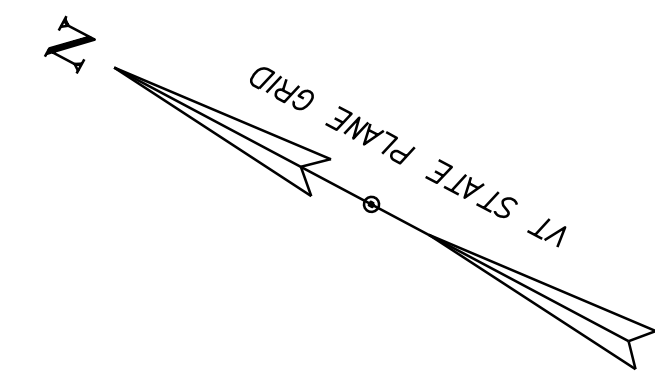
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 19	SHEET 9 OF 18

SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH


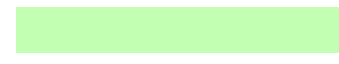



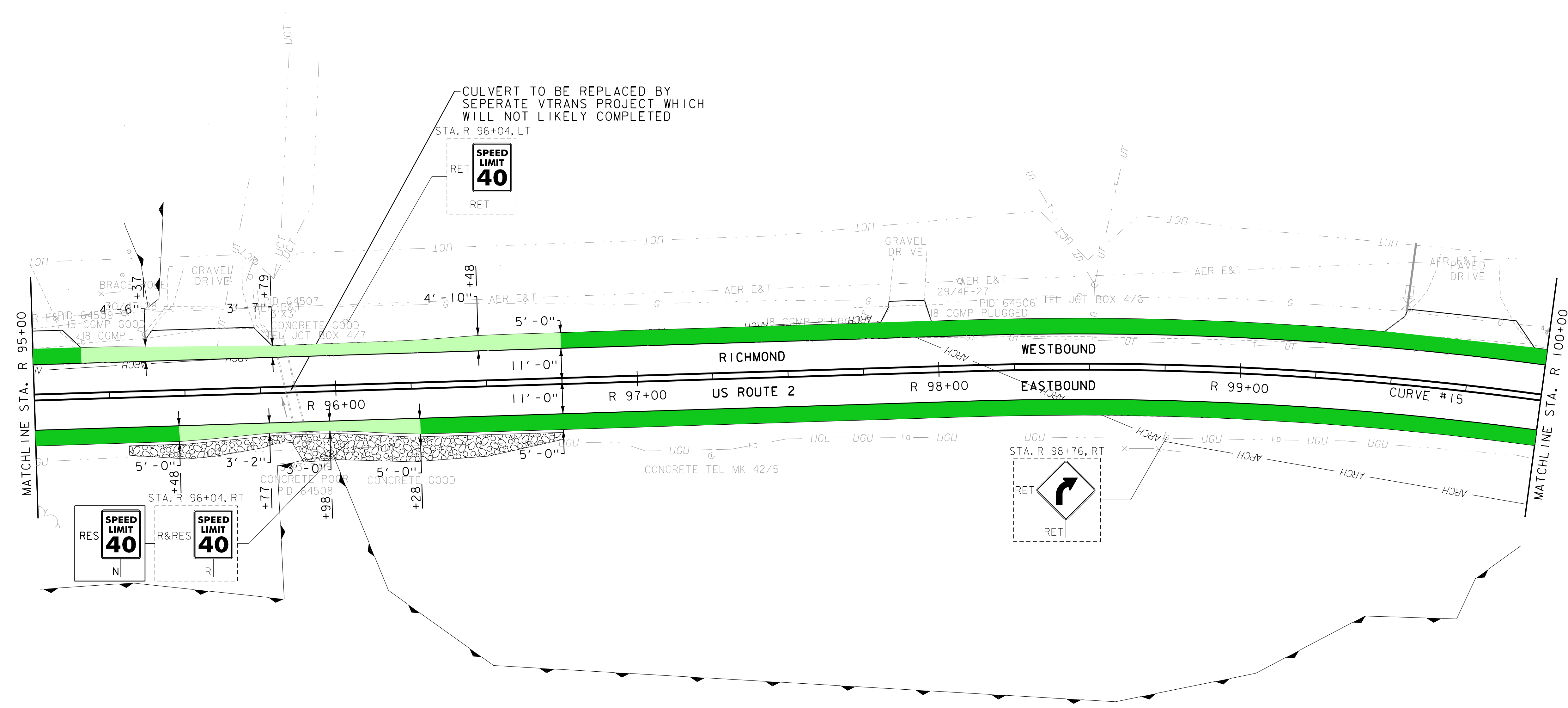
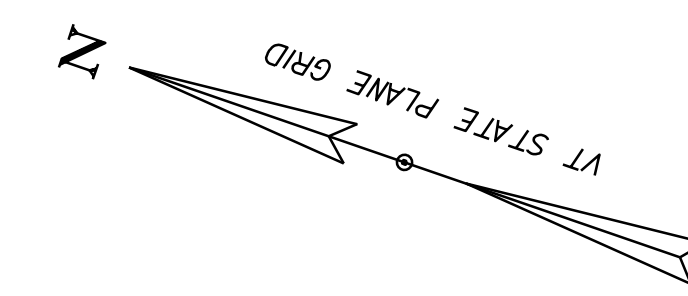
RET	Hatch Tap & Table, rt. at light	↑
RET	Richmond Dental right at light	↑
RET		
RET		



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 20	SHEET 10 OF 18


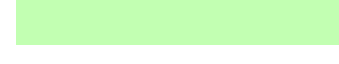

SHOULDER WIDTH COLOR KEY

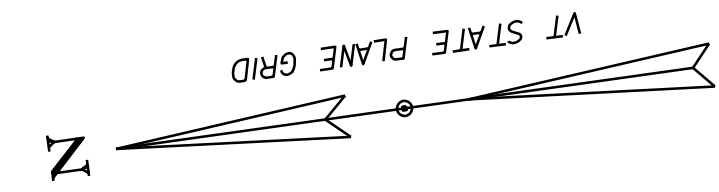
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widthns.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 2I	SHEET II OF 18

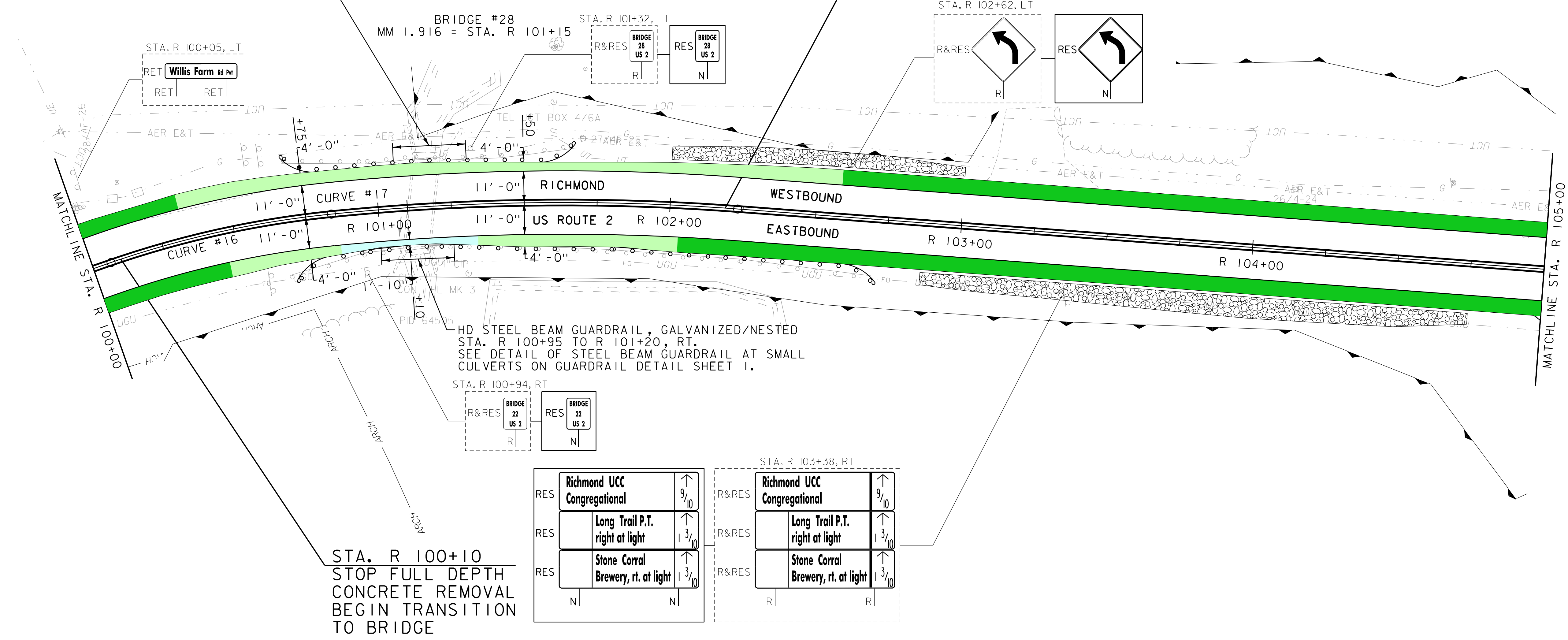
SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 STA. R 101+06 TO R 101+31, LT.
 SEE DETAIL OF STEEL BEAM GUARDRAIL AT SMALL
 CULVERTS ON GUARDRAIL DETAIL SHEET 1.

STA. R 102+20
 END TRANSITION FROM BRIDGE
 RESUME FULL DEPTH CONCRETE REMOVAL

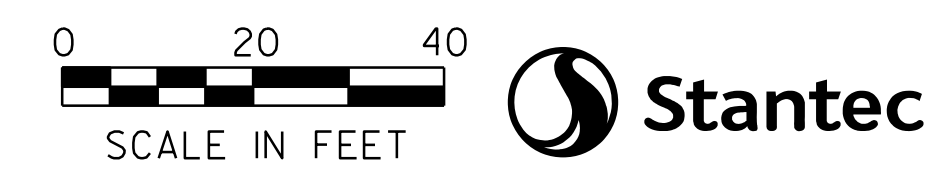


STA. R 100+10
 STOP FULL DEPTH
 CONCRETE REMOVAL
 BEGIN TRANSITION
 TO BRIDGE

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 STA. R 100+95 TO R 101+20, RT.
 SEE DETAIL OF STEEL BEAM GUARDRAIL AT SMALL
 CULVERTS ON GUARDRAIL DETAIL SHEET 1.

RES	Richmond UCC Congregational	↑	9/10
RES	Long Trail P.T. right at light	↑	1 3/10
RES	Stone Corral Brewery, rt. at light	↑	1 3/10
		N	N

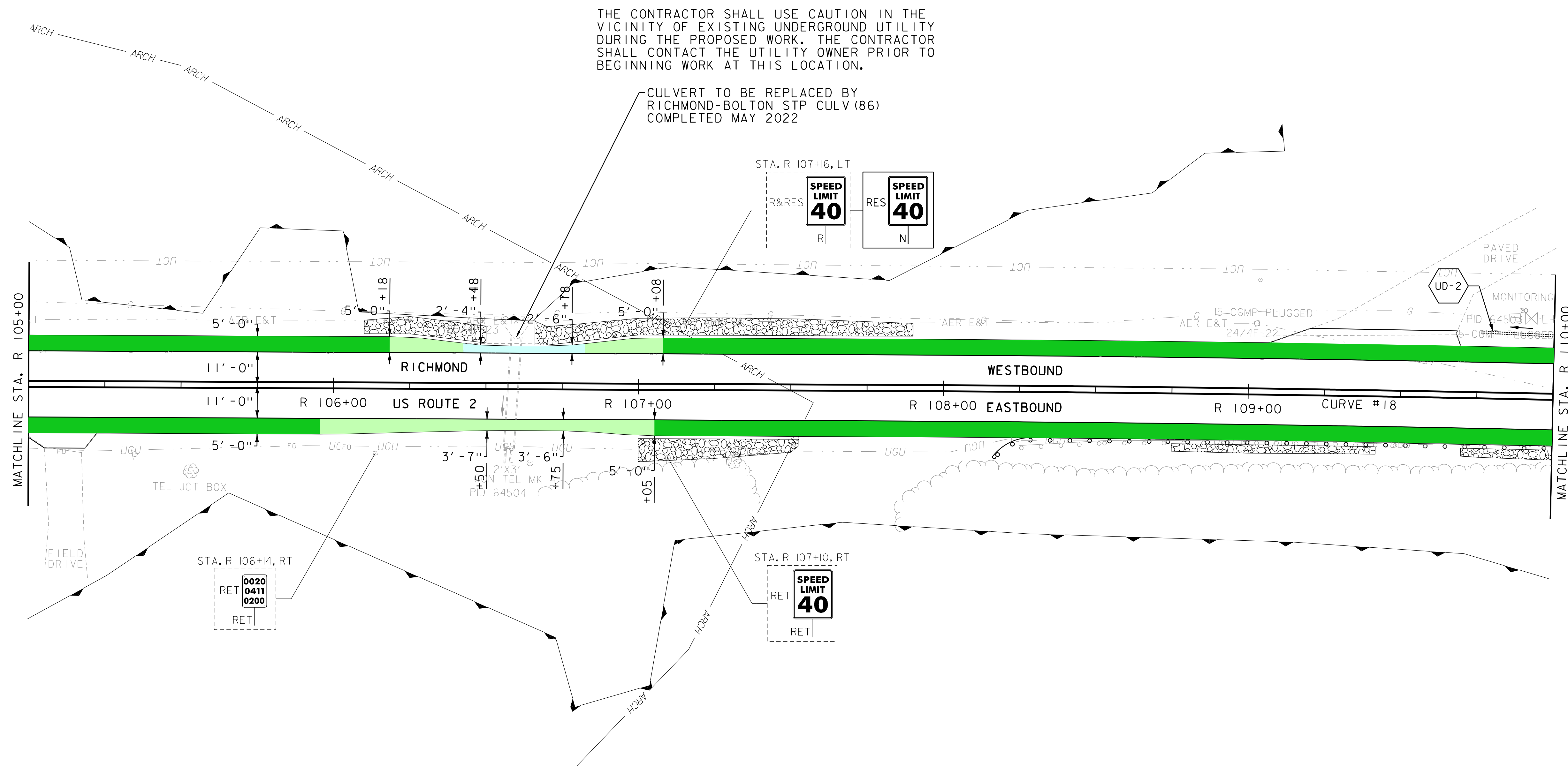
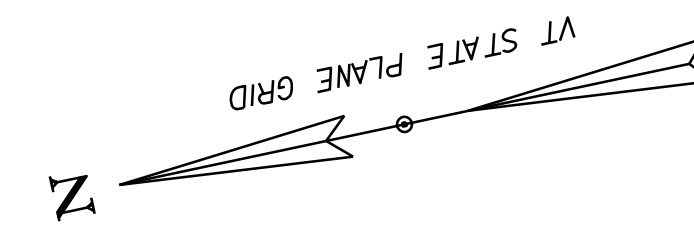
R&RES	Richmond UCC Congregational	↑	9/10
R&RES	Long Trail P.T. right at light	↑	1 3/10
R&RES	Stone Corral Brewery, rt. at light	↑	1 3/10
		R	R



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 22	SHEET 12 OF 18


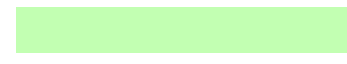

SHOULDER WIDTH COLOR KEY

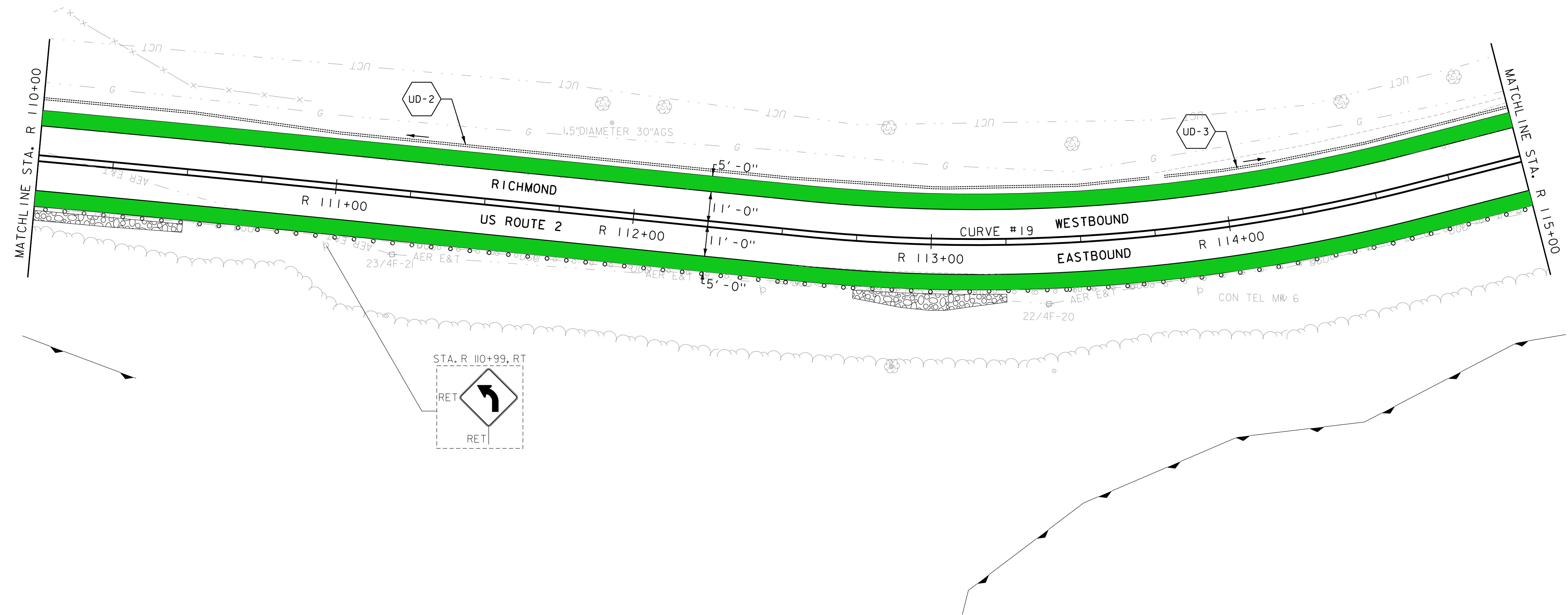
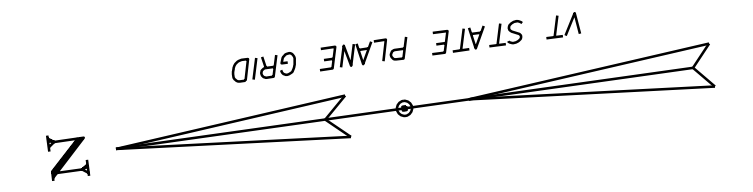
- 5 FOOT OR GREATER SHOULDER WIDTH
- 3 - 5 FOOT SHOULDER WIDTH
- LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON		
PROJECT NUMBER:	STP 2924(I)		
FILE NAME:	z10c254bdr_shoulder	Widths.dgn	PLOT DATE: 2/23/2022
PROJECT LEADER:	M. FOISY	DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER	CHECKED BY:	G. SANTY
PLAN SHEET 23		SHEET	13 OF 18


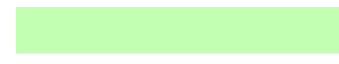

SHOULDER WIDTH COLOR KEY

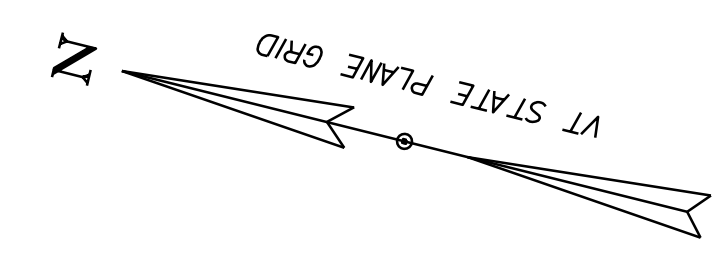
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



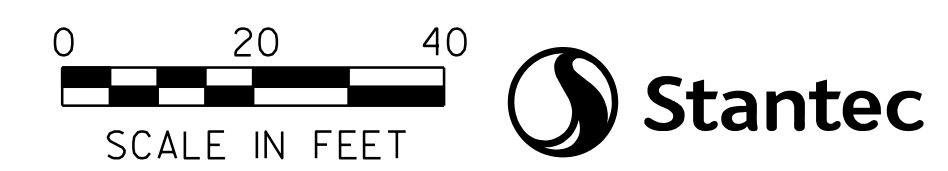
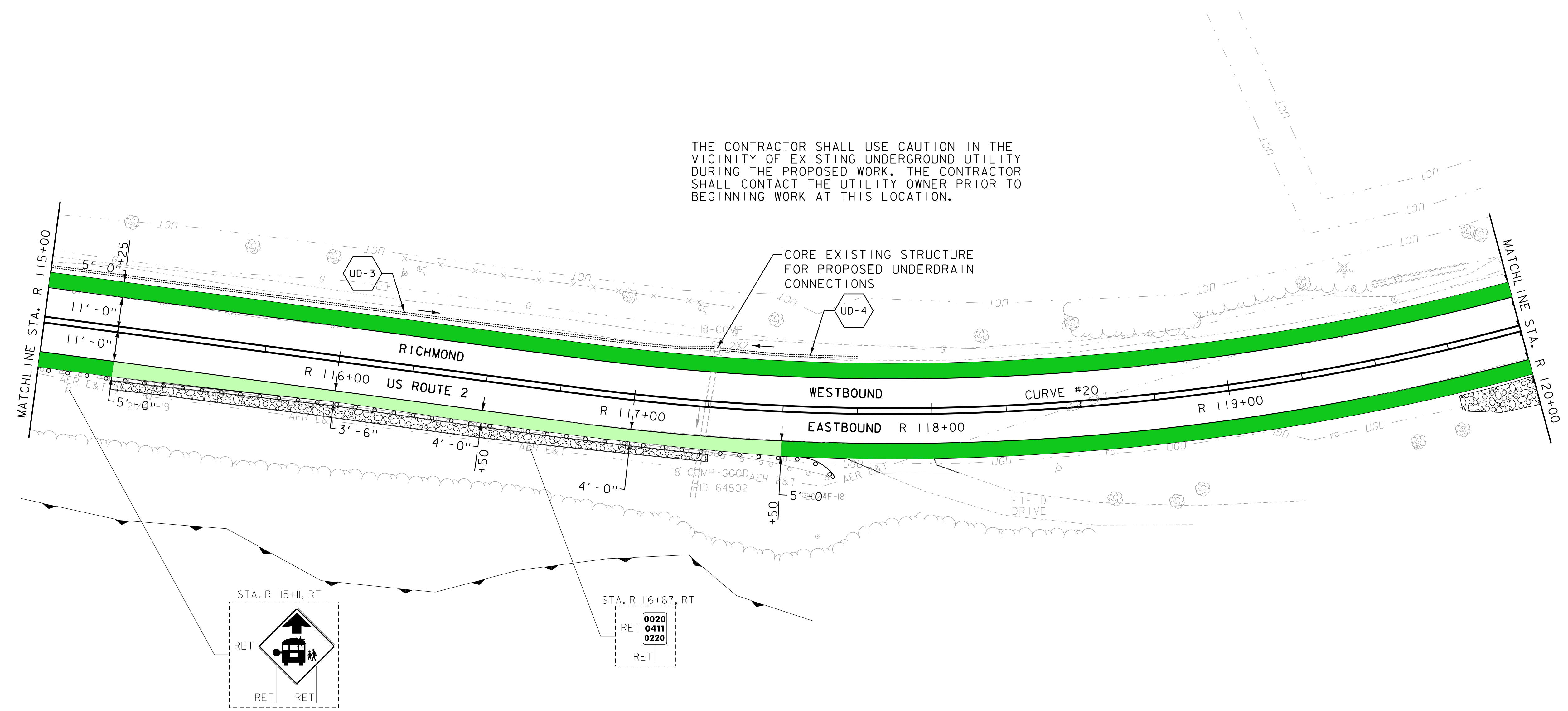
PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 24	SHEET 14 OF 18

SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH


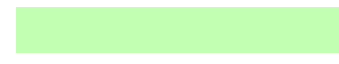



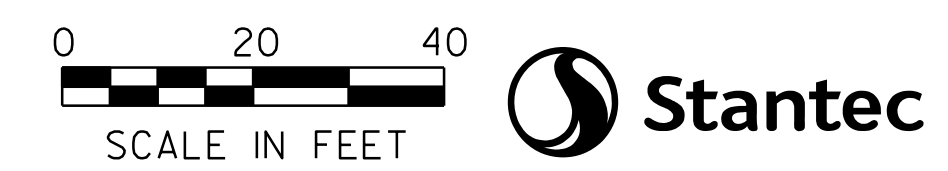
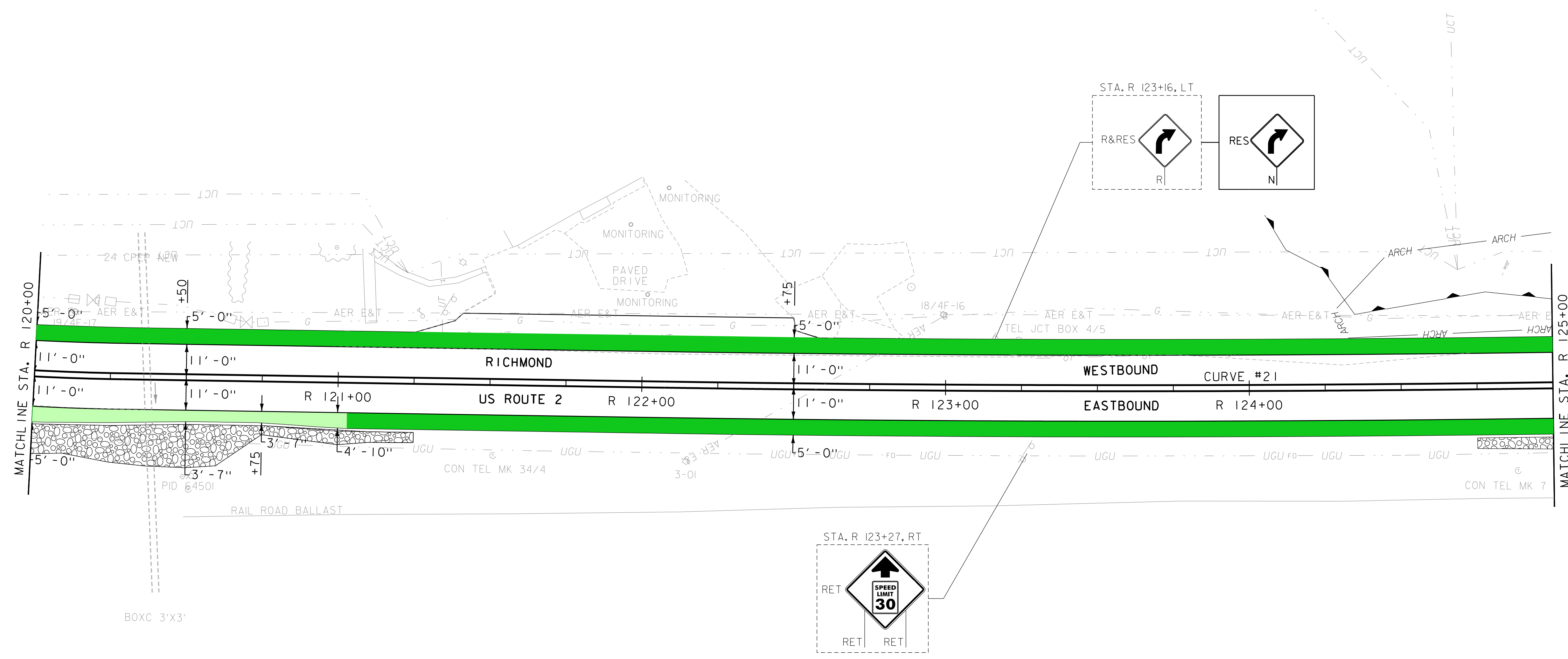
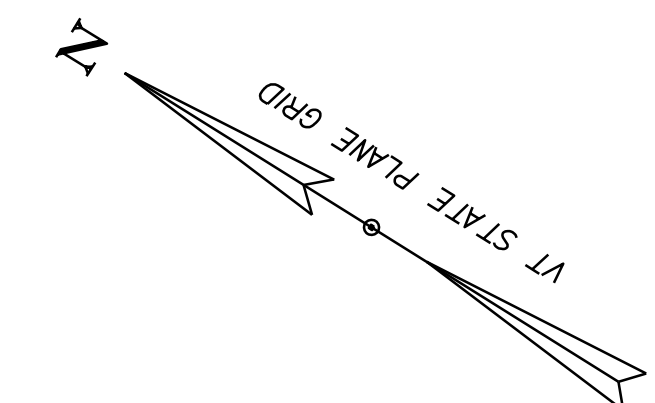
THE CONTRACTOR SHALL USE CAUTION IN THE VICINITY OF EXISTING UNDERGROUND UTILITY DURING THE PROPOSED WORK. THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER PRIOR TO BEGINNING WORK AT THIS LOCATION.



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 25	SHEET 15 OF 18


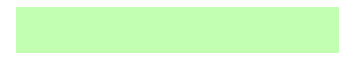

SHOULDER WIDTH COLOR KEY

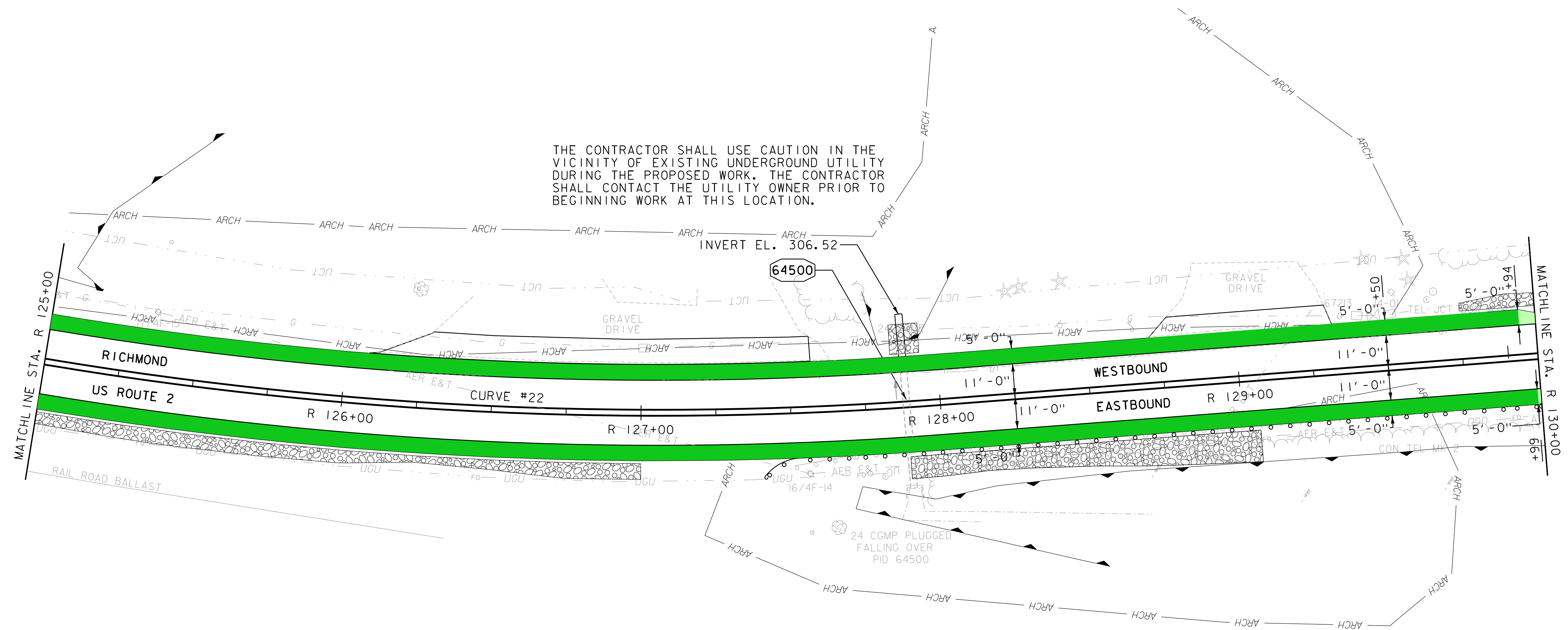
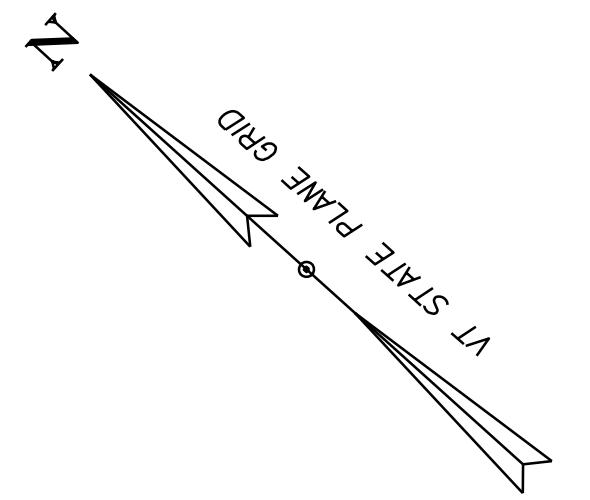
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 26	SHEET 16 OF 18


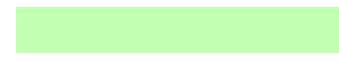

SHOULDER WIDTH COLOR KEY

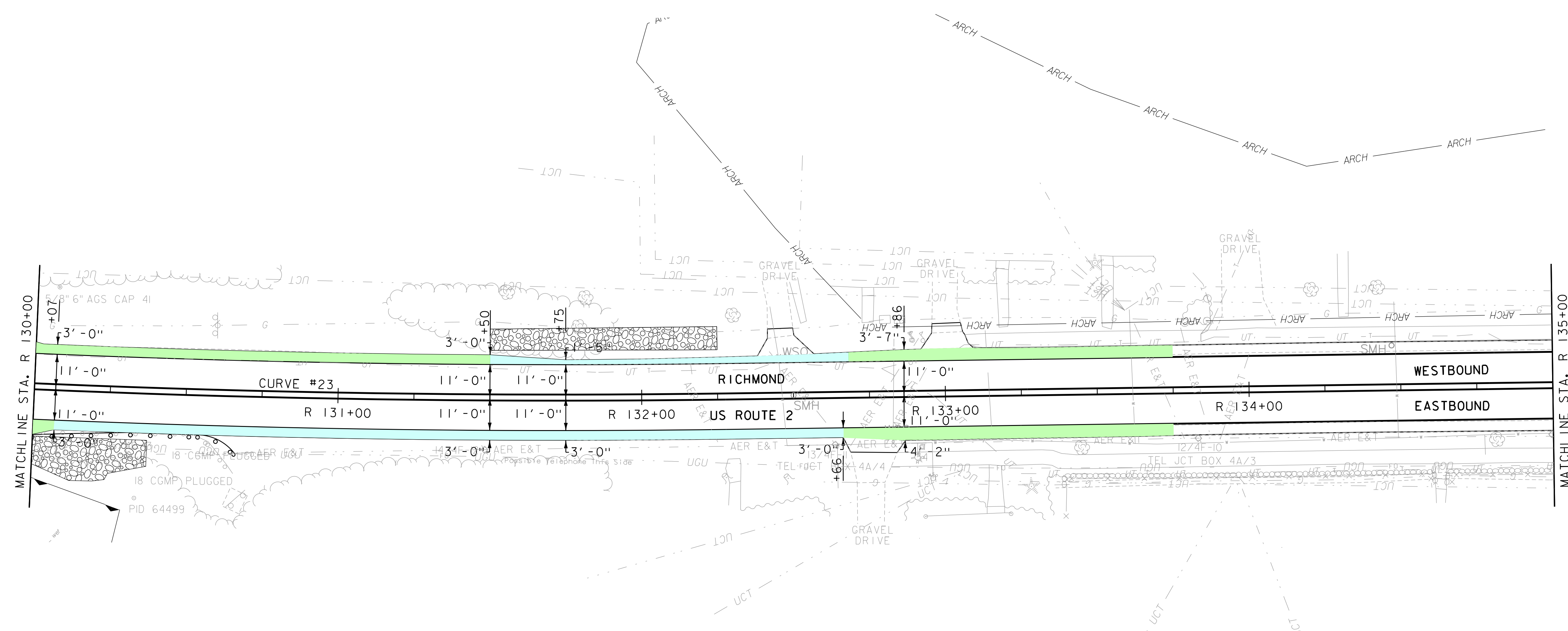
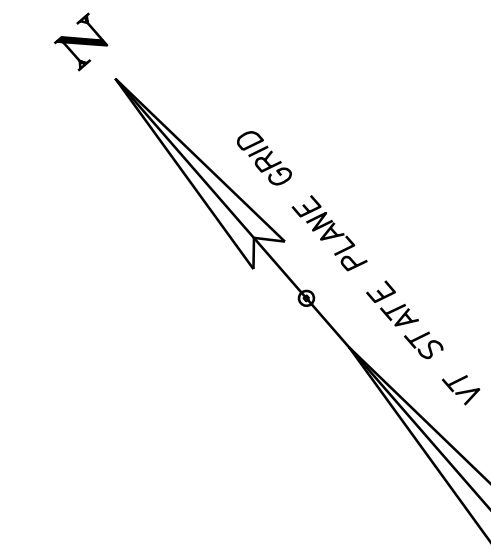
	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON
PROJECT NUMBER:	STP 2924(I)
FILE NAME:	z10c254bdr_shoulder Widths.dgn
PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY
DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER
CHECKED BY:	G. SANTY
PLAN SHEET 27	SHEET 17 OF 18

SHOULDER WIDTH COLOR KEY

	5 FOOT OR GREATER SHOULDER WIDTH
	3 - 5 FOOT SHOULDER WIDTH
	LESS THAN 3 FOOT SHOULDER WIDTH



PROJECT NAME:	RICHMOND-BOLTON		
PROJECT NUMBER:	STP 2924(I)		
FILE NAME:	z10c254bdr_shoulder Widths.dgn	PLOT DATE:	2/23/2022
PROJECT LEADER:	M. FOISY	DRAWN BY:	G. BARRETT
DESIGNED BY:	G. BURGMEIER	CHECKED BY:	G. SANTY
PLAN SHEET 28		SHEET 18	OF 18