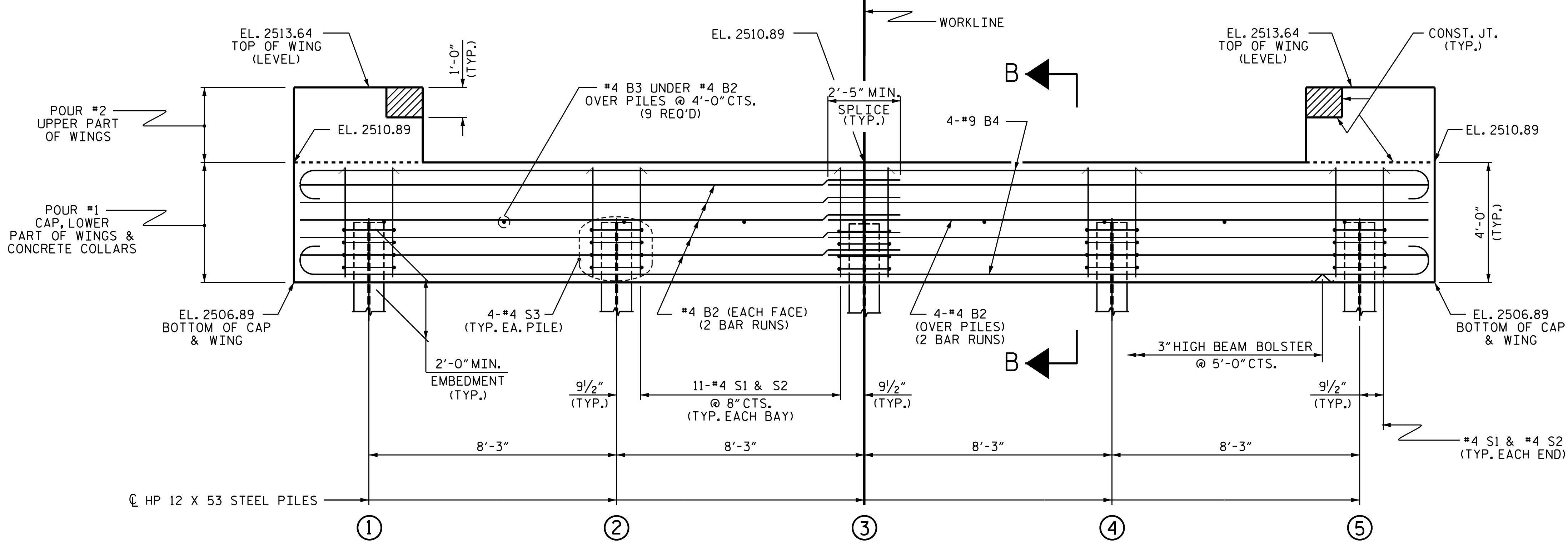


PLAN



ELEVATION

WINGS NOT SHOWN FOR CLARITY.  
FOR SECTION B-B, SEE SHEET 5 OF 5.  
CONCRETE COLLARS FOR STEEL PILES NOT SHOWN IN PLAN AND ELEVATION VIEWS FOR CLARITY.  
SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL", SHEET 5 OF 5.

## NOTES

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR DOWELS.

THE CONCRETE IN THE SHADED AREA OF THE WING SHALL BE POURED AFTER THE VERTICAL CONCRETE BARRIER RAIL IS CAST IF SLIP FORMING IS USED.

FOR PILE SPLICE DETAILS, SEE SHEET 5 OF 5.

FOR WING DETAILS, SEE SHEET 4 OF 5.

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PZ27 SHEETING IS TO BE DRIVEN IN FRONT OF HP 12X53 (STREAM SIDE) AND ALONG THE BRIDGE WINGS AT END BENT NO.1 AS SHOWN IN STRUCTURE PLANS.

SHEET PILES FOR THE VERTICAL WALLS SHOULD BE DRIVEN TO REFUSAL AT AN ELEVATION OF APPROXIMATELY 2474 FT FOR END BENT NO.1.

THE SCOUR CRITICAL ELEVATION FOR THE SHEET PILES AT END BENT NO.1 IS 2492 FT. SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

CONTRACTOR'S ATTENTION IS CALLED TO THE USE OF REINFORCING STRAPS ON END BENT 1 BACKWALL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 423.03.

DESIGN REINFORCEMENT CONNECTED TO END BENT CAP FOR FACTORED LOAD AND LENGTH OF REINFORCEMENT IN ACTIVE ZONE. CAST REINFORCEMENT OR CONNECTORS INTO CAP FOR END BENT NO.1 LOCATED AT STA. 12+05.81 -L-. MAINTAIN A CLEARANCE OF AT LEAST 3' BETWEEN REINFORCEMENT OR CONNECTORS AND REINFORCING STEEL IN CAP.

PROJECT NO. **DF18314.2044188**

**HAYWOOD** COUNTY

STATION: **12+67.00 -L-**

SHEET 1 OF 5

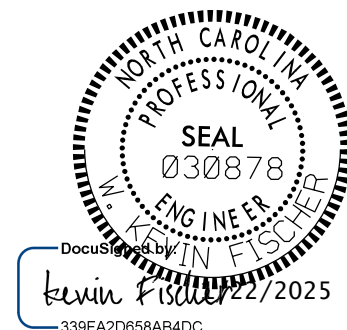
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUBSTRUCTURE

END BENT 1

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	
1			3		S-13
2			4		TOTAL SHEETS
					21

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED



VHB Engineering NC, P.C. (C-3705)  
940 Main Campus Drive, Suite 500  
Raleigh, NC 27606

DRAWN BY : E.C. PHELPS DATE : 10/2024  
CHECKED BY : W.K. FISCHER DATE : 11/2024  
DESIGN ENGINEER OF RECORD: W.K. FISCHER DATE : 12/2024

1/21/2025  
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