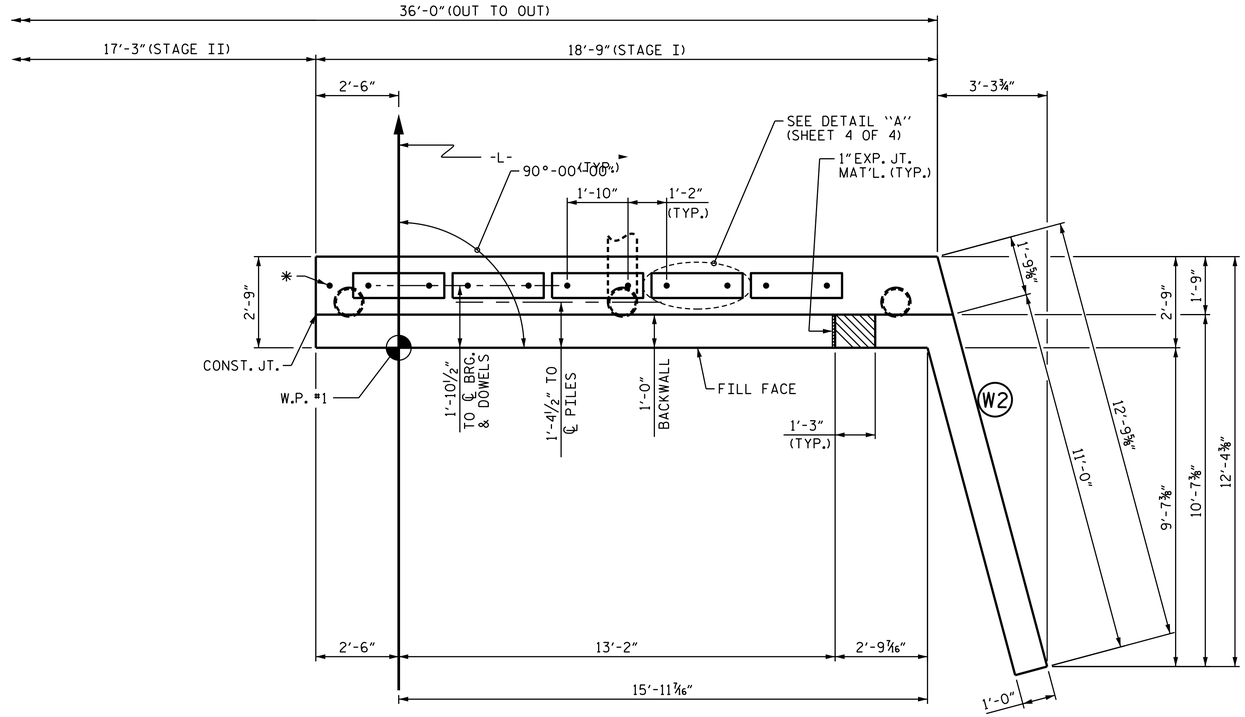
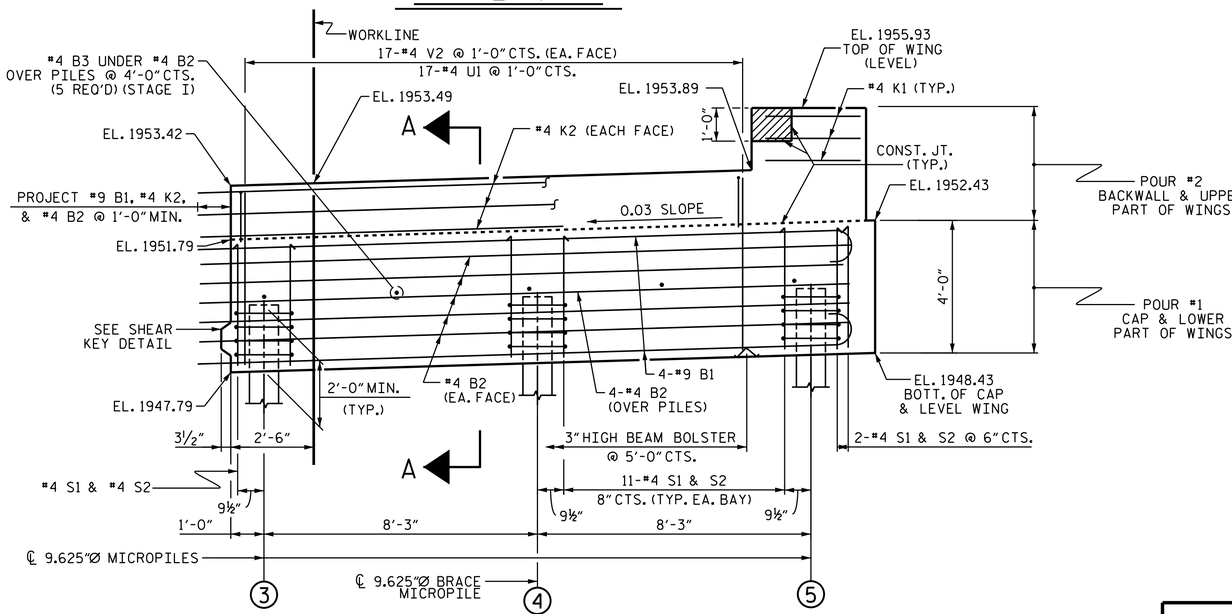
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PLAN



ELEVATION

WING NOT SHOWN FOR CLARITY.

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 WING DETAILS, SEE SHEET 3 OF 4.

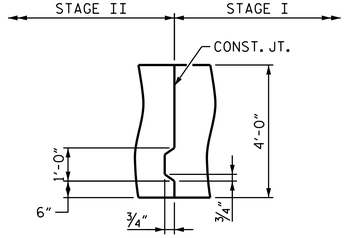
THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LENGTHS OF THE #9 AND #4 HORIZONTAL BARS AT THE CONSTRUCTION JOINT MAY NEED TO BE ADJUSTED DUE TO THE TYPE OF MECHANICAL BUTT SPLICE CHOSEN BY THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY ADJUSTMENTS.

MECHANICAL COUPLERS SHALL BE USED TO JOIN THE #9 AND #4 HORIZONTAL BARS IN STAGE I WITH THE #9 AND #4 HORIZONTAL BARS IN STAGE II IN BOTH THE END BENT CAPS AND BACKWALLS. THE LOCATION OF THE COUPLERS SHALL BE STAGGERED ON ALTERNATING BY 1 FOOT AND THE BARS SHALL BE CUT ACCORDINGLY TO ALLOW A MINIMUM OF 1'-0" INTO STAGE II CONSTRUCTION.

FOR MECHANICAL COUPLERS, SEE MECHANICAL BUTT SPLICES FOR REINFORCING STEEL IN STANDARD SPECIFICATIONS.

* THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACE THAT THIS DOWEL MAY BE PLACED IN STAGE I OR DRILLED AND GROUTED IN STAGE II.

TOP OF PILE ELEVATIONS	
③	1949.91
④	1950.16
⑤	1950.41



SHEAR KEY DETAIL
(STAGE I)

PROJECT NO. BP14-R014
SWAIN COUNTY
STATION: 12+45.82 -L-

SHEET 1 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 1
(STAGE I)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044167 7/20/2026 ELIZABETH F. LAWES
DocuSigned by: Elizabeth F. Lawes 935E84223CD547C...

WSP USA Inc.
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
LICENSE NO. F-0165

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			25

DESIGNED BY:	E. LAWES	DATE : OCT 2024
DRAWN BY:	E. LAWES	DATE : APR 2026
CHECKED BY:	P. GALLAGHER	DATE : APR 2026
DESIGN ENGINEER OF RECORD:	E. LAWES	DATE : APR 2026

7/20/2026
401.027.BP14.R014_SMU_EB101.14.dgn