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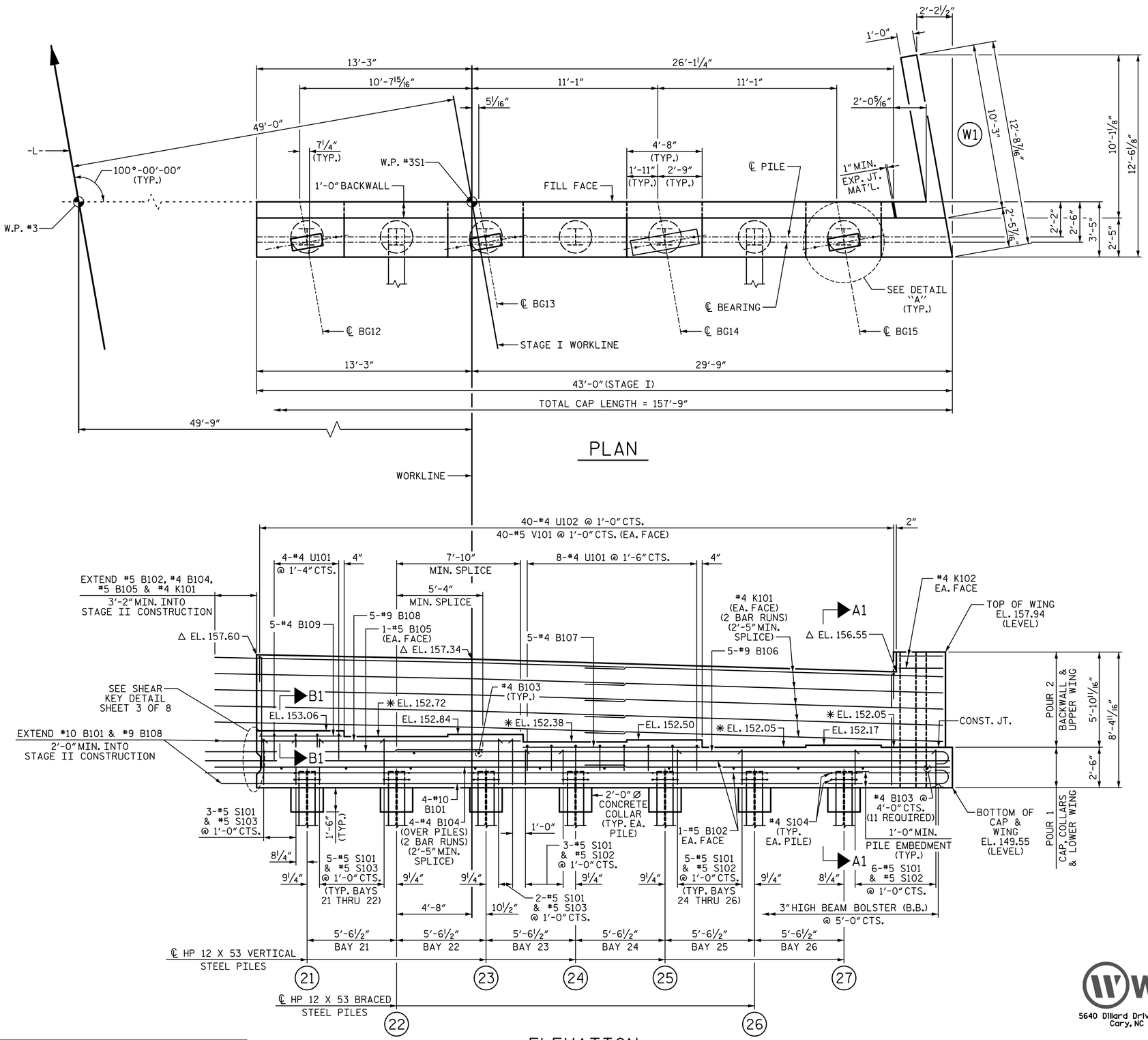
3/18/2022 11:06:49 AM G:\Projects\2020\Division 6 (Mott Mac - NV5)\I-5987B\Structures\Site 9 (L over Little Marsh Swamp)\Drawings\Final\I5987B_SMU_E2_770164.dgn



PLAN

ELEVATION

(#) INDICATES PILE NUMBER

NOTES:

STIRRUPS AND "U" BARS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

MECHANICAL COUPLERS SHALL BE USED TO JOIN THE #9 AND THE #10 "B" BARS IN STAGE I WITH THE #9 AND THE #10 "B" BARS IN STAGE II. THE LOCATION OF THE COUPLERS SHALL BE STAGGERED ON ALTERNATING BARS BY 1 FOOT AND THE STAGE I BARS SHALL BE CUT ACCORDINGLY TO ALLOW A MINIMUM OF 1'-0" AND A MAXIMUM OF 2'-0" EXTENSION INTO STAGE II CONSTRUCTION.

FOR MECHANICAL COUPLERS, SEE MECHANICAL BUTT SPLICE FOR REINFORCING STEEL IN STANDARD SPECIFICAITONS.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LENGTHS OF THE #9 AND THE #10 "B" BARS IN THE STAGED 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.

FOR SECTION A1-A1 AND PART SECTION B1-B1, SEE SHEET 3 OF 8.

✳ FOR LOCATION OF ELEVATIONS BETWEEN BRIDGE SEAT BUILD-UPS SEE SECTION A1-A1, SEE SHEET 3 OF 8.

BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.

THE TOP SURFACE AREAS OF THE END BENT CAPS SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXPECT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.

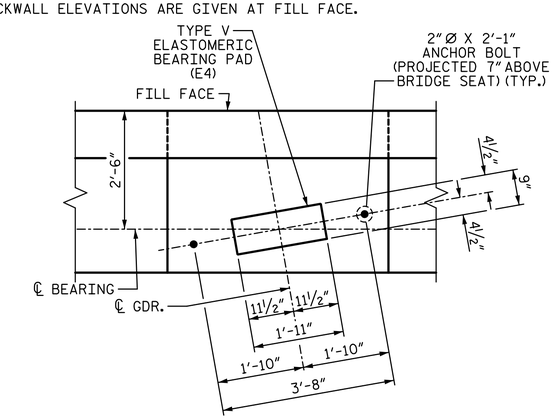
THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT BUILDUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO THE BACK FACE AT THE RATE OF 2%.

SEE GENERAL DRAWING "FOUNDATION LAYOUT" AND "PILE FOUNDATION TABLES" SHEETS FOR ADDITIONAL NOTES AND INFORMATION FOR STEEL PILES.

FOR PILE SPLICE DETAILS, SEE SHEET 5 OF 8.

FOR TEMPORARY DRAINAGE AT END BENT, SEE SHEET 5 OF 8.

Δ BACKWALL ELEVATIONS ARE GIVEN AT FILL FACE.



DETAIL "A"

(TYP. EA. GIRDER)

PROJECT NO. I-5987B

ROBESON COUNTY

STATION: 803+15.00 -L-

SHEET 1 OF 8

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 2

STAGE I

WGI
5640 Dillard Drive, Suite 200
Cary, NC 27518
LICENSURE NO. C-4434

NORTH CAROLINA PROFESSIONAL SEAL 18056 ENGINEER JOHN A. BATTS
3/21/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS								
NO.	BY:	DATE:	NO.	BY:	DATE:		SHEET NO.	
1			3				S9-58	
2			4				TOTAL SHEETS	
							69	

DRAWN BY:	S.D. COOPER	DATE:	3-22
CHECKED BY:	J.A. BATTS	DATE:	3-22
DESIGN ENGINEER OF RECORD:	J.A. BATTS	DATE:	3-22