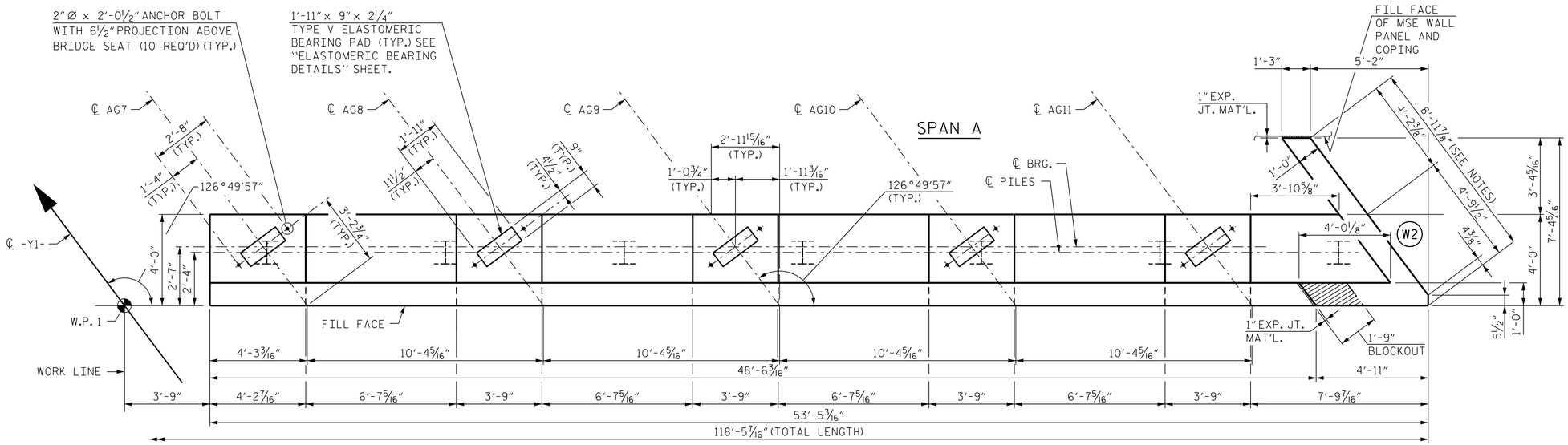
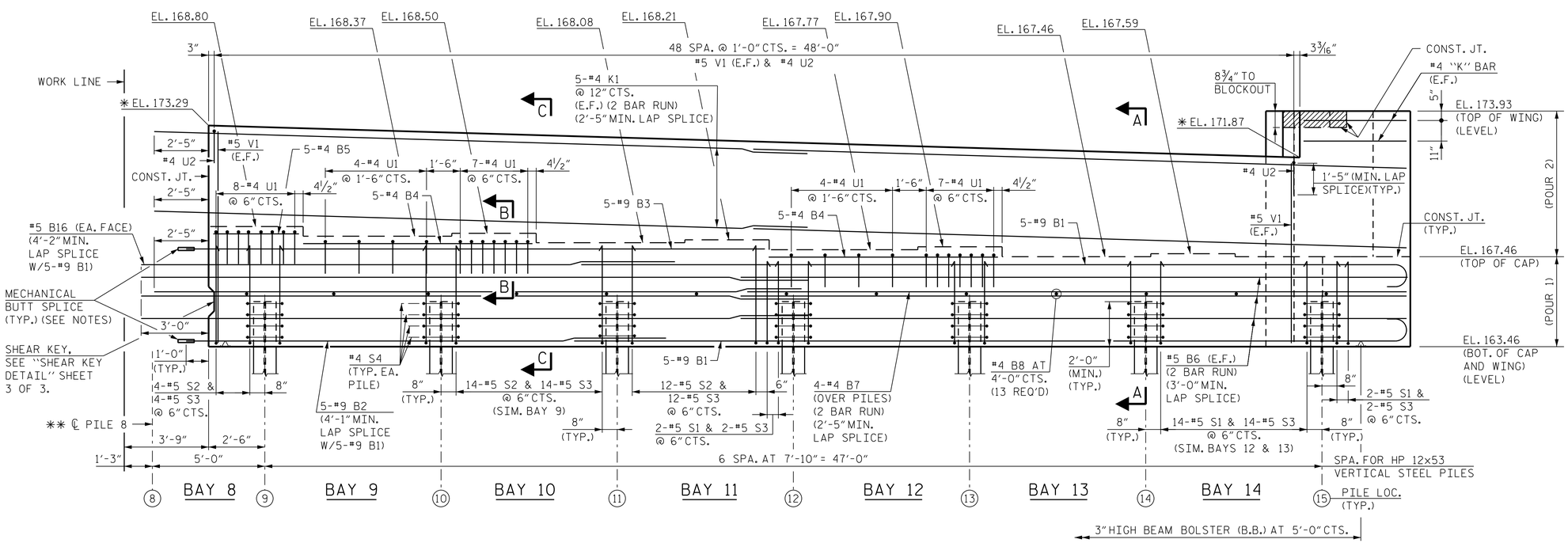


PLAN



✳✳ PILE 8 IS LOCATED WITH STAGE 2 END BENT CONSTRUCTION BUT SHALL BE DRIVEN DURING STAGE 1 FOUNDATION CONSTRUCTION.

ELEVATION

✳ ELEVATION AT FILL FACE

NOTES:

FOR SECTION A-A, B-B AND C-C, SEE SHEET 3 OF 3.

FOR PILE SPLICE DETAILS, SEE END BENT 2 STAGE 1, SHEET 3 OF 3.

FOR TEMPORARY DRAINAGE, SEE END BENT 1 STAGE 2, SHEET 3 OF 3.

STIRRUPS IN THE CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.

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

THE CONCRETE IN THE HATCHED AREA OF THE WING SHALL BE POURED AFTER THE PARAPETS ARE CAST IF SLIP FORMING IS USED.

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

WING LENGTH IS BASED ON THE MSE WALL COPING BEING FLUSH WITH THE FILL FACE OF THE MSE WALL PANEL. IF AN ALTERNATE COPING DETAIL IS USED, THE CONTRACTOR SHALL ADJUST THE LENGTH OF THE WING. FOR COPING DETAILS, SEE MSE RETAINING WALL PLANS.

WING IS PARALLEL TO -Y1-.

FOR MECHANICAL BUTT SPLICING OF REINFORCING STEEL, SEE SECTION 425-5 OF THE STANDARD SPECIFICATIONS.

PROJECT NO. I-5972
JOHNSTON COUNTY
STATION: 36+93.50 -Y1-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 1
PLAN AND ELEVATION
STAGE 1

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NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER BRUCE D. KLAPPENBACH
10/4/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-35
1			3					TOTAL SHEETS
2			4					54

DRAWN BY : B. A. HAAG	DATE : JUN 2021		
CHECKED BY : D. M. RAGAN	DATE : JUN 2021		
DESIGN ENGINEER OF RECORD : B. D. KLAPPENBACH	DATE : JUN 2021		

bhagg
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